

gactctgcct	gtttacaatg	ctcagatcat	cgccctgtgt	gggcagtttt	ctcctgtgac	180
atcaattttg	ttgatgatca	cctaagagaa	aatatcagga	gcatgatcta	cgcaatggag	240
gtaggggatt	cacccgagac	accggcaaag	tcaaagaccc	aagcaaaagt	gcgtaagcga	300
gagtcagccg	aactggactt	tcatacactt	gaccttccat	cagccagctc	agacgatcgg	360
agatgggtgg	tggacaatgg	tatgacttcc	caaactctga	atcggctcct	agaaaatata	420
ttcgtgtctg	gctactctaa	ccactcatac	gtggcaggta	tgccggtgaa	atcaattata	480
caacccccct	caaatggatg	gtcactgaac	atgaatcgcg	agtccaaccc	attttcttca	540
agtaatgccc	ctgattgggt	acctgcaaga	agattaacgg	acagtcaaaa	ggctgtgggt	600
gataacatag	atcccatcac	atacaagcct	ccattgcccc	cacgcggtgg	gaatggagct	660
gcggattctt	cggattttaat	ttacgaaact	gacatgcaat	cttccagagc	aaatggggca	720
aaaaaagcac	caccaatccc	tcgaaaacct	gttgctttac	gcaacgatca	taaggccttg	780
tctggccaag	ctggatggca	gtccggtatg	aaagcactgg	ggagcgttcc	gtcgcagcca	840
agtaatcgac	ttgacgttcc	gaggttcgat	ttgggcgacc	aaattaaacc	tccacctgct	900
gtgcacaggg	ttccaggtag	tcaagactct	ctaagcgttg	gatccaggca	ccttggtgga	960
tttgagcgtc	atacagacat	caccaaggac	ctacttgatg	gtgaggtaga	ctcagaaatc	1020
aagtggggagc	ccttggttacc	aaaatga				1047

<210> 10643

<211> 555

<212> DNA

<213> A.fumigatus

<400> 10643

gctttactgc	aatctgctga	cccttccacc	cccggtggtga	agacccggat	cgcccgaggt	60
ttcttccagc	cgggcaaagt	caaaccagac	atcgtagtcc	cgggggttct	ccttgagctg	120
ttcctcgtat	tgcacccggc	gcttggacag	aatcacatcc	tcaacgccct	ctcggtcacc	180
aaactgcttc	tcaaagtctg	tgtaggcctt	gtgaagcgcc	atcgccttgg	aacggggcag	240
ccggtccaag	gcgtatttgt	agattgctcg	cgcccgctca	tactccttga	gctttgcctc	300
gaatttcgcg	tacgcgatga	agagcttctc	gtccataaaa	tcctcaccga	gggtctcgat	360
tgccatcccg	tacacttccc	gcaccaggtc	actcgtcccg	tactcctcct	caaaccgggc	420
ccatttgatc	cagttccttg	gtcccggttg	gacgatcgta	aaccgctgga	agattgcgcg	480
cgcgcgctca	aactcattgt	accgcttctc	aagcttgata	tacgcactcc	acgcgccttc	540
gtccggctcc	catga					555

<210> 10644

<211> 441

<212> DNA

<213> A.fumigatus

<400> 10644

catccaccgc	tcaaacacct	gccgcgttcc	ctggatattc	cccagcgtct	cctccatgta	60
cacgtacttg	taccagaact	tgtccacgcg	gggcaggatg	gtgaccgccc	ggtccagcaa	120
gttctctgca	tggttgatgt	tgcgattccg	catttccgac	tcgatatacc	ggatccagag	180
taccaccgag	gtcgggttga	cgtccagcgc	ccgttcgaag	atcgatcgcg	cccggcgaaa	240
ttccttctgc	tccagctccc	aagatgcata	ccgcatccag	ttgttcatgt	tcagccgatt	300
gcggcgacac	tagtcttcaa	actcctttct	cttgcgcccc	tggtactcgt	gcagttcttc	360
gaggtccgcg	aatcgctgtg	tcggcgccctg	caacgcgggc	tcctgccgat	caacagcctc	420
gcgaagcagc	tgctccgctg	a				441

<210> 10645

<211> 1611

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1563), (1594), (1606)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10645

ccagctgcct	cacttgccctc	agcagttgcc	tgtggttaca	ttgctgtcat	catgtcgaac	60
gcggagggaat	tcttgcgaga	tttcgaggag	gaggatgacg	aggtattcca	agccggtgag	120
gaggttgaag	aggatgtcgg	cgaagaggtg	caacggccaa	cgccggaggt	cacgaacgag	180
tttgacgtcg	cogtgtcgac	caccgacgaa	ctcacacgtc	ttcacaagag	tctccgagac	240
cattactcga	tcagatttcc	agaactagaa	acacttggtt	caaatcctat	tgactacgca	300
aaaaccgtcg	ccatcttgaa	aaatggccct	cttaacgata	tcaaggccct	ctcgctcctcg	360
gcagataaca	tggtcggcgc	gccactaaag	tccatcctgg	atggccctc	gctcatgggt	420
gtcgcggtgg	aggggacgac	gacacgtgga	cgcgaaatga	ccgaggccga	gctcaaagtc	480
gtgctagata	cttgtagagag	gatttctcaag	ctagatcgcg	agcggacggc	gcttacgcag	540
agcatccagt	cgcgcatgaa	ccagattgcg	cctaattcttg	ccgctcta	aggaccggag	600
actgcggccc	agtttctcaa	ccagaccggc	gggttgaggg	agctggccaa	gatcccagcg	660
tgcaatctgg	ccgcgcaggg	ctccaagaga	tccgaagggc	taggatttgc	tacgaatatc	720
ggtatcagat	cgcaaggctt	tctctaccac	tgcgccatca	ttcaagatat	tccgaatgat	780
ctaaagaaac	aagcaatccg	gatcgtcgca	gctaagatgg	tcctagcgac	tcgagcggac	840
gtggccaagt	acagccccga	tggttctttg	ggcgagggaat	tgaacaaca	gtgctatcaa	900
cgcttgaaa	agctgaccga	gcctcctcca	aacgctggcg	tgaaggcgct	tccggcgcct	960
gacgacaaac	cctcgagaaa	gcgagggcga	cggagagcga	gaaaggccaa	ggaagcaatc	1020
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aagggctggg	gagcggccac	tccgatcagc	ggaaccgcta	cttctctcg	tgggtttggt	1260
tcgggcgag	gcggcactgc	gagtgtcctc	caggccaagg	ggctgcgaac	gtctggagtt	1320
ggtccttcat	ttgcaggcat	tgcggcacg	gccagtacga	ttgcctttac	gcctgtgcaa	1380
ggtctcgagc	tggttgatcc	caaagcgcaa	gccgagctcc	agcggaagcg	gaaggcggag	1440
gaggaccgat	ggttcaaata	aggtacattc	acgcaggtag	gcggccagag	cagtagtacc	1500
aacaacagcg	gtgcgaatgg	cgggttcaaa	gttcctcgca	ctgcctgcat	ggaaaaaggt	1560
cgnacaccgt	tgagggcaga	tgcgccaccg	ccgncaccgg	tgcagncata	g	1611

<210> 10646

<211> 300

<212> DNA

<213> *A. fumigatus*

<400> 10646

attacgtttg	cactccagaa	gttaaactctg	ccacctccga	ttgttgatac	ccaaccatc	60
gtacctccaa	cacaccatcc	attgtcacca	tggagtcac	ccgcggggccc	cctagggtca	120
agaacaaggc	tcccgcgccg	atccagatct	cagcggagca	gctgcttcgc	gaggctgttg	180
atcggcagga	gccggcggtt	caggcgccga	cacagcgatt	cgcggaacctc	gaagaactgc	240
acgagtacca	gggcccgaag	agaaaggagt	ttgaagacta	tgtgcgcgcg	aatcggctga	300

<210> 10647

<211> 1095

<212> DNA

<213> *A. fumigatus*

<400> 10647

tacccaaccc	atcgtaacctc	caacacacca	tccattgtca	ccatggagtc	atcccgcggg	60
ccccctaggg	tcaagaacaa	ggctcccgcg	ccgatccaga	tctcagcgga	gcagctgctt	120
cgcgaggctg	ttgatcgga	ggagccggcg	ttgcaggcgc	cgacacagcg	attcgcgga	180
ctcgaagaac	tgacagagta	ccaggcgccg	aagagaaagg	agtttgaaga	ctatgtgcgc	240
cgcaatcggc	tgaacatgaa	caactggatg	cggtatgcat	cttgggagct	ggagcagaag	300
gaatttcgcc	gggcgcgata	gatcttcgaa	cgggcgctgg	acgtcaaccc	gacctcggtg	360


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gtactctgga tccggtatat cgagtcggaa atgcggaatc gcaacatcaa ccatgcgagg 420
aacttgctgg accgggcggt caccatcctg cccgcgtgg acaagttctg gtacaagtac 480
gtgtacatgg aggagacgct ggggaatatc cagggaacgc ggcaggtgtt tgagcggtag 540
atgtcatggg agccggacga gggcgctgg agtgctgata tcaagcttga gaagcggtag 600
aatgagtttg agcgcgcgcg cgcaatcttc cagcggttta cgatcgcca cccggagcca 660
aggaactgga tcaaattggc ccggtttgag gaggagtacg ggacgagtga cctggtgcgg 720
gaagtgtacg ggatggcaat cgagaccctg ggtgaggatt ttatggacga gaagctcttc 780
atcgcgtagc cgaaattcga ggcaaagctc aaggagtatg agcgggcgcg agcaatctac 840
aaatacgctt tggaccggct gccccgttcc aaggcgatgg cgcttcacaa ggcctacacg 900
acatttgaga agcagtttgg tgaccgagag ggcgttgagg atgtgattct gtccaagcgc 960
cgggtgcaat acgaggaaca gctcaaggag aacccccgga actacgatgt ctggtttgac 1020
tttggccggc tggaagaaac ctcgggcgat ccgggtcttc accacggggg tggaagggtc 1080
agcagattgc agtaa 1095

```

<210> 10648

<211> 204

<212> DNA

<213> A.fumigatus

<400> 10648

```

acaactcacc tggttcgtgt cagggtacatc aatgtttttg acggcggggg tatggcgctca 60
taccttatgt tccaaagtgc ctcaggcgctc tcaggccaca acatcacatg ggcgcgcctg 120
gctcttggtc atgtgatcac atcacagtta tgcccgacaa tcatcaacac aagcagatgc 180
attgctatga tctttggtgg atag 204

```

<210> 10649

<211> 492

<212> DNA

<213> A.fumigatus

<400> 10649

```

agagtacctg atgaatactc aaacctacct aaggaaactat atcaaccacg cattatgact 60
gatactttcc ctgctgccct ggtagggcgc tcttcgaagg agaggaagta cgatcgccaa 120
ctacgtttgt gggctgcgag cgggcagcaa gctcttgaag agtctcgtgt tttattagtc 180
aactccgatg gttcctgggg ggatcaaggc actggagtat cgggcgtggc tggcgtcgaa 240
accctcaaga accttgtgct ccccggcatt ggtggcttca ccattgtaga tcctgctgtt 300
gttacagagc ctgatctggg agtgaacttc tttctcgagt cagagagtct ggggaaatct 360
agagctgagg aaacctgccc cctggtgaga gagttgaacc cagatgtcga aggaagtttt 420
cgtccaaagg tatatatgac tgccacttct agcttggctt tgccaatagg cggcgctaatt 480
ctaaactact ag 492

```

<210> 10650

<211> 621

<212> DNA

<213> A.fumigatus

<400> 10650

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tactggactc cccacacccg gggtttgttt tctggcgatt gtgctccagc tgggggcctt 60
agaaaacctt ctcaacggat gcatgccctg tcagctctga atctaacttg tctatctatg 120
ctttgttaga caggccctt gttccgtttc tcctcattta tctcgtaacc tcgatcccat 180
cccactatc ctaccctttc cccatctat caccctcaa ctcgttttca gtccaatatg 240
gccagtgtaa tccaggccgc aaagcgcgcc gccgtaagg ccgctgtcgc caaccactac 300
cccaagatg ccaaatttgt cggtatcggg agcggatcta ctattgtata tgttgtcgag 360
gctatcaaag aatctggcat tgatacctct atgacaagat acgttcccac cggttccaa 420
tcaaaacagc tcatcctttc cgccggcttg acagcagtcg attttgattc actaccgaa 480
ggaaccgtac ttgatgtcgc ctttgatggg gcggacgagg ttgacgatga gctcaactta 540

```

ataaagggcg gcggcgcctg tctttttcag gagaaaattg tggctctgca ggccaaggag 600
 ttcactctgcg tggcagggtta g 621

<210> 10651
 <211> 390
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (334)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10651
 tacttacgtc cagactcgcg caaactccag tctcgtctcc tcacgaattg gaaatatatt 60
 cccattgagg tggcacctat tgccgcccct cgtgtcctaa ccaagctgcg agagttgggc 120
 agcattcagc ctgccattcg gcccagcggc acctccaagg gaccctgaa gactgatcag 180
 gacttctaca tcattgacgc tcttttcctt ccattgctca ccaaggctga cgtcgcgct 240
 ggtaaagatg ggagcggaaa gggaggaatc tgggaggttg atgccctggc gcaggcgatt 300
 aagatgattg cgggcgtact ggaggttggt attntctccg gtgtgacggg acctcaggct 360
 caagcgcttg gaggtgttgg aggccagaaa 390

<210> 10652
 <211> 330
 <212> DNA
 <213> A.fumigatus

<400> 10652
 ctaccccagt ccaccatgct ctacagaaac tcggttgccc gctctgtgct cagggctatc 60
 tctagctcca atgcttcggt cgcccgctcg actttgtcca acaatgtgtt caaggctcat 120
 ctgacatctt ccgctcgttt tcccgtcgc gcatccagct tggcactgac taccgtaag 180
 cccgtcacca ctgcgcttgt ccgctacgcc tccagcgtcc cgggttctac caacgtaccc 240
 aaggtcagta tcaatcatgt tgtgagttct ggtcgatecg tgatctttgt ttgcaggaag 300
 ccaaggttgc cgaggaggac catgacatga 330

<210> 10653
 <211> 345
 <212> DNA
 <213> A.fumigatus

<400> 10653
 accttggcgt ttggcgacct tcagaaagtt atcaaagaca cttttagcct tgagggcacc 60
 cccaaggagg ctctctacct cggaatggct ggtgtcatcc cctacctggc tacttccctc 120
 gagaccgtct atctttccta cgagatcaac cgtgctaccg ccaccgggtga tggctctcatc 180
 ttctccggcc agactgccga gctgatgctt cacatgctcg agcctatcca ggttggctat 240
 ggtgctgtgg tgagtttgaa tttatcgtgc tgtcaagtc cctgtctgac gcgaagcgac 300
 cctccagatc ctctccttcc ttggagctat tcaactgggt cttga 345

<210> 10654
 <211> 447
 <212> DNA
 <213> A.fumigatus

<400> 10654
 cgcaagcga cctccagat cctctccttc cttggagcta ttactgggg ttttgaatgg 60
 gccggatacg gtggcaagca cggttacaag cgctatgctg cgggtgtcat cgccccgct 120

```

gttgccctggc ccaccctgct gctccccgtc gaatatgcct tgataagcca gttcctcgcg 180
ttcaccttcc tgtactacaa tgacgcccgc gctgctgccc acggccgtgc tccccactgg 240
tacggcatgt accgcttctg cctgaccttc gttgtcggag ccagcatcgt ggccagcttg 300
atcgccgtg agcagatcgc caacaccatc agcactgagc acacgatcac cgacaagatc 360
aacgcgctgc tcttcctgca gaagaaggag aaggaagagg ccgatgctcg ccgccgcgcc 420
gagctcggcg aggaggagtc tgagtaa 447

```

<210> 10655

<211> 330

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (99), (123), (289)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10655

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tgctttcagc tactcgcgta cgccatcaac aacatggacg gtgtcgccgg gtacagtggc 60
tggcgctgga tcttcacact cgagggtctc gccaccatng tcgtcgccgg catcgctaag 120
ttnatcgctg tcgattggcc cgagaccgcc cggttcctga acgaggacga gcgagcgctg 180
ctcctccgcc gtctagcaca agaccagggg gaagcgagga tggaccgtct ggataagaag 240
tactgcgac gtgccttttc agatcccaag atctacttgg ggtatgtcnt atgtccaccg 300
tctttcgatc tcagagtgat acagaactga 330

```

<210> 10656

<211> 441

<212> DNA

<213> A.fumigatus

<400> 10656

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gttggttatgg tccgttccgt actggaccca gctaacattc ttatctcaga caaacctctc 60
tgggggtgcaa ctgtgtggat ttggacgtcg gaggtattct cgatgaacgt tcgtgcccag 120
gccgtaggca tggcctcaca gactcagaac gtgcgcaatg ccattgtcca acaattcttc 180
cccattttcc tgaagaactg cgggttctac gcgttctaca tggtcgccgg tgtcaacttc 240
ttactttgcc tcttcgtctg gttcttcatt cccgagacca agcaagttcc cctggaggag 300
attgacgctc tcttcggcgg cgccaaccat gttaccacag gtgagcggat gatgattgga 360
gagaaggaga aacattttga ggaccaggcc aatgagaagg gtgatgcagt gactattgaa 420
aacctcgagg ctagacggta g 441

```

<210> 10657

<211> 618

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (315)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10657

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ggctatagtc tagctgctgc ttgtcttact ccagtaggta cgagtactgg caccggcacc 60
atggacgaaa aagacgactg cacacacgcc accatcgagg acatcaagtc cgcttccctc 120
ctgccagatg aactcgatcg tgcagcggag agacggctcc tatggaaatg cgacttgacac 180
gttggtcccca ttctcactgt cctgttcatg tttgcctttc tcgaccgcat caacatcggg 240
aatgcccggg tgatggggct agagaggggac ttgcggatga ccgggcatca gtacaacatc 300

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gccctgtttg	tgttnttcgt	tccgtatatt	ctcttcgagg	tgccgagtaa	tatgctcttg	360
aagaagatga	ggccgtcgtg	gtggctgagt	gggattatgt	ttgcttgggg	tgtgttttagc	420
tcttcttgtg	cgggtggccga	ggtgggtgagc	gatgctgaca	gtgccacagg	gattctgact	480
gtctgtcaag	gcgtcacgaa	gagttttcaa	ggattgggtg	tgtgccgggt	cctgattggg	540
gttttcgagg	cgggtttcat	gcccggtact	tgctttttct	tgtccgcgtt	tcagagctcg	600
catgctgact	tctcatga					618

<210> 10658

<211> 732

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (53), (147), (187)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10658

gaagtcactg	cgacgtgcct	tttcagatcc	caagatctac	ttgggggatg	tcntatgtcc	60
accgtctttc	gatctcagag	tgatacagaa	ctgatggtaa	atttcctacg	aagaccactc	120
atgtactttg	gcattgtcaa	taccggntac	gcagtctcct	tttttaccac	caccatcctt	180
aaccagntag	gatggaccgc	cgctccgagcc	caggtcatga	gtattcccat	ctactgcgtc	240
gcgacggcca	tcgccttctc	cgcgcctat	accagcgatc	gactgcgcca	ccggtacctg	300
ttcacgttgg	caggctgtct	cattgcaacc	atgggctatg	tgatactgct	ctgccaggcc	360
tcgggtgccc	tcggggcgcg	ctactttgcg	gtcttcgcca	ttacaggcgg	cggataacctg	420
acccaaccga	tcctcatggg	ctggctgagt	aacaacatgg	cgggtcatta	caagcagtc	480
attgcgtcgg	caatgcagat	tggatttggc	aattgtggag	ggctgggtggc	cagtaacatc	540
tttttcaagg	aggaggctcc	acgatatact	accgggtacg	gggtaagtct	ggggatgacc	600
tggatttgcg	gagcggcggt	cgccttggtc	ttgacttact	tggtgaggga	aatagaata	660
agggatgcag	gtagaagaaa	ctggagggtg	gaactgcccc	aggacgaagt	tgagatcctg	720
ggggctgacc	at					732

<210> 10659

<211> 261

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (50), (122)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10659

ctcgaagttg	accaagcgat	cgatctcggc	agcgaaccct	ctgaggggtan	ggctacggaa	60
gatggcattc	atgctgatgt	cgattccgcg	ccacctgcgt	ctcagatcga	agaacatctg	120
tngggccagg	atactgtgtc	ctcccagatc	gaagaacgaa	tcgtctggcc	caatcatgcg	180
agcgggtgacg	ttggaaatac	ggtagccca	gatctggggc	aaagcctgct	cggctctcgga	240
cagagtctgc	aagacggatg	a				261

<210> 10660

<211> 588

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (553), (560), (573), (577), (578), (579)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10660

gtgctcccga gcgatcatgc gaaggggccc gaatcgtctg agcatgccaa ccattccttc	60
ggcagaatca tcatacctga ggcccttget tgcgagccag gcggggccact tgttcatatc	120
tggcacgaag tagctgacca aagtcggctc ctcgaacttg tcccttcgca ccagagtgc	180
gttctcccgga acaagaggat gtcgagaaag gtgcgtatcg atctcaccga gttcgatgcg	240
gaaccctcgg atcttgacct gatcgtcagc acgtccagaa cactcaacgt cgccagaagg	300
agtgtatcgg cccagatatc cactgcggta caagcgatct ctgggtccga cgtagaactg	360
tctccagggc tcgttgccgc cctgactttc agccttgctc ttctcgaccc acttctgcgg	420
atcaacaaac cagttggtaa ggaatttctt tgttggtcaa ttctcattg ctcaggtaac	480
cctctgccag gccacccgca cgcacgtaga ttccaccaac ttccgctttg gcgcagatgc	540
tccttaatcg acngagtcgn gagttatgcc gtncatnnna ccatatgg	588

<210> 10661

<211> 1011

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (520), (592)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10661

gggtacaccc aatggaccag agcaccgttg tggatcacag catccactcg ttcggtcaga	60
tcattccaca acgcctcgga caaacccaac cgtggatttc ccaggtcacc gcagacgcac	120
tgcagcctgc tagtccatga ttcataccag aagccgtacg ctctgcatgt agaccgaatg	180
cgatcgagag cctgctcgtc gcttttacca cgaacgagtg ccacgactct cgccataggc	240
gacttgcgag tgagaaggtc acggaggatg tgtgcaccga gaaatccagt tgcgccagtt	300
aggaacacag tgggttcgcc caccagcatg tcttcgattc gttcagggaa agacctgggc	360
agggtttcaa ccagcttcct agcatctttg gaattattcgt catcagcttc attggaagtg	420
gccagagtat ctgcggtggc atcagcctca ttggcggttac tggcgaatga ctcgaagtgc	480
accaagcgat cgatctcggc agcgaacctc ctgagggtan ggctacggaa gatggcattc	540
atgctgatgt cgattccgcg ccacctgctg ctcagatcga agaactatct tngggccagg	600
atactgtgtc ctccagatc gaagaacgaa tcgtctggcc caatcatgcg agcgggtgacg	660
ttggaataac ggttagccca gatctgggcc aaagcctgct cgggtctcga cagagtctgc	720
aagacggatg atctgcggcg aggtgctgcc gcactgagtt cggcagtatc tgggaacggc	780
aatgcaggct tgcgatctt gccgttggga ttcagaggca ttcgcttcag aggaatgaag	840
accgtgggca ctgcgtatgc agggagcttg ctgcgtaagt gctcccgagc gtcacgcga	900
aggggcccga atcgtctgag catgccaaac attccttcgg cagaatcatc atccttgagg	960
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<210> 10662

<211> 387

<212> DNA

<213> A.fumigatus

<400> 10662

tcccagatca cagcacgcac tgtaagttac cctatcgaga ttattacaac aggggcagaa	60
cacgtactaa cttgccacct cagtatgccc ctctatcact ttgtgacggc agacctgccg	120
tccaacacta aggtccctga gttggatgac gttcacgccg ctgcttccct gcgtgcccgc	180
ggcgctgggt ccggcatcga tgctccgct ggcgctggcg tgaccgaaga gcttgtcggg	240
ctctacgcgt cctacctcgt tacgatcgga ttctaccccc cgccctctgt ctctacgatc	300
ggggtgcgtc cattgcccac ggtccaactc agcgaagacc agaagaaggc tctggcgaac	360

gtcgggtggac gtggggggcac ttcttga

387

<210> 10663

<211> 384

<212> DNA

<213> A.fumigatus

<400> 10663

cctgaccagt	ggctgcactc	gagattgaaa	agattgacta	acattccctc	tttagccacc	60
aacacggacg	atttcctcat	togaatgatg	aagggatgca	ttcagctctc	tgctcgtccc	120
aacatccaca	acactgtcaa	catggtgccc	gtcgaccacg	ttgctcgtgt	tgtcatcgcc	180
ggtgccttcc	agcccccttg	cacgcccgatc	ggtgtcgcac	aggtgaccgg	acaccccaga	240
cttcgtttca	accagttcct	gggtgctttg	cagacctacg	gatacgatgt	accccaagtc	300
gactatgtcc	catggaagat	gtctctggag	cattacgtca	atgacggaaa	gcacgatgat	360
cccgagtcac	agcacgcact	gtaa				384

<210> 10664

<211> 1704

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (743), (815)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10664

acaacaaaga	aattccttac	caactggttt	gttgatccgc	agaagtgggt	cgagaaggac	60
aaggctgaaa	gtcagggcgg	caacgagccc	tggagacagt	tctacgtcgg	acccagagat	120
cgcttgtagc	gcagtgagata	tctgggccga	tacactcctt	ctggcgacgt	tgagtgttct	180
ggacgtgctg	acgatcaggt	caagatccga	gggttccgca	togaactcgg	tgagatcgat	240
acgcaccttt	ctcgacatcc	tcttgtccgg	gagaacgtca	ctctgggtgcg	aagggacaag	300
ttcgaggagc	cgacttttgt	cagctacttc	gtgccagata	tgaacaagtg	gcccgcctgg	360
ctcgcaagca	agggcctcaa	ggatgatgat	tctgccgaag	gaatggttgg	catgctcaga	420
cgattccggc	cccttcgcga	tgagctcgg	gagcacttac	gcagcaagct	ccctgcatac	480
gcagtgccta	cggtcttcat	tctctgaag	cgaatgcctc	tgaatcccaa	cggcaagatc	540
gacaagcctg	cattgcccgt	cccagatact	gccgaactca	gtgcggcagc	acctgcgcgc	600
agatcatccg	tcttgagac	tctgtccgag	accgagcagg	ctttggccca	gatctgggct	660
aaccgtattt	ccaacgtcac	cgctcgcgat	attggggccag	acgattcggt	cttcgatctg	720
ggaggacaca	gtatcctggc	ccnacagatg	ttcttcgata	tgagacgcag	gtggcgcgga	780
atcgacatca	gcataaatgc	catcttccgt	agccntaccc	tcagagggtt	cgctgccgag	840
atcgatcgct	tggtcaactt	cgagtcattc	gccagtaacg	ccaatgaggg	tgatgccacc	900
gcagatactc	tggtccacttc	caatgaagct	gatgacgaat	attccaaaga	tgctaggaag	960
ctgggttgaaa	ccctgcccag	gtctttccct	gaacgaatcg	aggacatgct	ggtggggcgaa	1020
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ctcactcgca	agtcgcctat	ggcgagagtc	gtggcactcg	ttcgtggtaa	aagcgacgag	1140
caggctctcg	atcgcatctg	gtctacatgc	agagcgtacg	gcttctggga	tgaatcatgg	1200
actagcaggc	tgacgtgcgt	ctgcgggtgac	ctgggaaatc	cacggttcgg	tttgtccgag	1260
gcgtttgtgga	atgatctgac	cgaacgagtg	gatgctgtga	tccacaacgg	tgctctggtc	1320
cattgggtgt	acccttactc	tactctcaag	ccagccaacg	ttttggggac	tattgacgct	1380
ctgaagcttt	gcgctagtgg	aaaaccgaag	cagttctctt	tcgtcagctc	gaccagtgtc	1440
ctcgacaatg	accattatgt	gctttagtgc	gaacgtatca	ttgcggccgg	tggtgcgggt	1500
atcagcgagg	acgacgatct	ggagggcagc	agcgttggac	tgggaaccgg	ttatggacaa	1560
agcaagtggg	ctggcgagta	cctcgtcaga	gaggccggcc	gaagaggatt	gaagggaacc	1620
attgttcgtc	ctgggttacgt	tcttggtgat	tccaagaccg	gaagtaagca	tcataacctg	1680
accagtggct	gcactcgaga	ttga				1704

<210> 10665
 <211> 1836
 <212> DNA
 <213> A.fumigatus

<400> 10665
 ccgcatgcgt tgtccttccg gcccgtcgtt aagacctcgc gctcaggcac gtcgagtgtc 60
 gattcaggaa ctacccgaaa gagacagagt tctgttcgcg gttggcagga ttacatcttc 120
 ggcagcggta ccgccagtcg gaaaactagt agagcgagca gtatcatgga cgacgttgga 180
 gaagtcgagg agggcgccca taatcctcgt gcttcaaaca acaatcgccg gaaagcgctg 240
 gacgagcagc tctttcaacc tcctagcgaa cgttctgggg gtggcatagc tgcaaaacat 300
 gcagtttctg ggtagtcag tggagacgat gctagtactc attcccgaat atcgtaaag 360
 tcaattacgt cgtggacggg caggctgttt gctggagggt ctcaaatag ccgagacgag 420
 aatgacgcgg gatccgtccg cagcagaact tcctccatcc atcaggacaa gactagaggc 480
 tcctcgtcca cgtccacaaa tcccaaaacg gccctctcag cggtcgcagc gttaaaacgg 540
 atcaacagca aactagcat acacagtgcg cctggcagat ctaccaatgg gtccactggg 600
 cccggcgaaa cagcggctcc ttctggtcga cgacatgcgg cctcaagcgt atctcaagtc 660
 gcaagctccg aggcaggcga caaaagctcc actaatctag ggccagtcga aatggatgcc 720
 attctcccca tgggaatctcg tccccaaccc tttctcata tgtataacaa ctatcagcct 780
 ggagagctac tcaccgatcg gtttggattt atctatgacc agcgtcggaa aaagaggcag 840
 agagaagctg ctatgtccaa gaataatagc aagcgtctga gcatcgtga aacactcagc 900
 agcttccgca ccgagacatc agatggagat gaagatgctg tgcaaggaat tgcggagcct 960
 cagcgtcac ccttctcggg ttccgccgag gatccagaag ctggagctgt ggctatacgg 1020
 aaatggcagg attatctaaa gtttccaacg cgaccgaccg aattactatc tcacacccca 1080
 tcagccggcc ctattgtgtc acttaccacc acaagcgaac ctccgccgcg tagtactgca 1140
 gtagcgggtg accgacatgg ttccgtttct gtcaacccaa atgctccgcc atctgcatct 1200
 acatccacgg tcgtcgtga tcgccagaa tttgcgggaa catccgccga tgagccaacg 1260
 actgcagcca cgcagagtgc gtccacagag aatgaaccag tcaaattgct tcttgagcaa 1320
 ttgacagagc tccacgatgc tctccaacgg gacaggaccg tcagatggaa cgagttcatg 1380
 cgcaaggtgc gcgcagaacg caggaaggag ggagaagctg ctgctgctgc tgctgctgct 1440
 gcgatatcta ctagagctgc gcagtctgtc gacacgccag aagcatctct agcagtcggc 1500
 gaagtagttg gaatagctaa tctagggaac aagggcaaag tcggtcgtgc caagtggcgg 1560
 gagttccgat cgtcgtcct tggggggatt ccggttgctc tgccggcgaa gatttgggtc 1620
 gaatgcagcg gcgcacctc catgcgagtg cctgggttatt atgatgatct ggtggcaggt 1680
 atcgggtgta gcgaaccgga ccatcggtt gtacgcgaaa ttgacatgga tatcaaccgg 1740
 acgctaaccg acaatgtgtt cttccgtaaa ggtcccgccg tgtctaaatt gagagaggtg 1800
 ctactggcat actcacgccg caaccagaaa gtatga 1836

<210> 10666
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 10666
 aaacatcctc cccagcatt attgacgatc accgattact tgcttcacaa cccgattggg 60
 tcgtgctacg aaagtttcat ctccgaggtg cctcctaaac taaccgcaca ccttgaatcc 120
 gtggggcgtc caactccaaa cctgaactt ccatgggtcc ctccctcggt ttcccggtatg 180
 gcttgt 186

<210> 10667
 <211> 585
 <212> DNA
 <213> A.fumigatus

<400> 10667

ccaggcactc	gcatggagga	tgcgccgctg	cattcgacc	aaatcttcgc	ccgcagagca	60
accggaatcc	ccccaggac	gagcgatcgg	aactcccgcc	acttggcacg	accgactttg	120
cccttggtcc	ctagattagc	tattccaact	acttcgccga	ctgctagaga	tgctttctggc	180
gtgtcgacag	actgcgcagc	tctagtagat	atcgcgacag	cagcagcagc	agcagcagct	240
tctccctcct	tcctgcgttc	tgcgcgcacc	ttgcgcgatga	actcgttcca	tctgacggtc	300
ctgtcccgtt	ggagagcatt	gtggagctct	gtcaattgct	caagaagcaa	tttgactggt	360
tcattctctg	tggacgcact	ctgcgtggct	gcagtcgttg	gctcatcggc	ggatgttccc	420
gcaaattctg	ggcgatcagc	gacgaccgtg	gatgtagatg	cagatggcgg	agcatttggg	480
ttgacagaaa	gcgaaccatg	tcggtcaacc	gctactgcag	tactacgcgg	cggaggttcg	540
cttgtggtgg	taagtgcac	aatagggccg	gctgatgggg	tgtga		585

<210> 10668

<211> 861

<212> DNA

<213> A.fumigatus

<400> 10668

caggatcagc	ttattcacaa	ccccccatat	gccgactggc	aatgttggtt	gaacgctggt	60
agcacatatg	ggtgggatac	agtactccga	atgctctgca	ccagaggcga	ctacatcctg	120
atggaggagt	acacattctc	tagcgccaag	gagaccgctc	ttccgttggg	agtcaagggtg	180
gcatcggtca	agatggatgc	tgaaggctct	ctgcccagat	cgctcgacga	ggtcttgagc	240
aactgggatg	aagcttctcg	gggcagccgc	aagccatttg	tgtgtacac	gattccaact	300
ggccagaacc	ctaccgggtg	cacgcagcag	ctggagagac	gcaaggctgt	atacaaagt	360
gcacagaagc	acgacttgat	tatcgtggaa	gatgagcctt	actacttctt	gcagatgcag	420
ccatacaccg	gacccgaccg	cgagcctggt	cctcctcctg	ccagccacga	tgaattcatc	480
aagtctctca	ttccttcgta	cctgagccta	gatgtcgatg	ggcgtgtgct	ccgacttgaa	540
tccttctccg	aggttctttc	accgggtcca	cggaccgggt	ggattgttgg	cccggagcag	600
cttgtcgagc	gattcatgcg	caattgcgag	acaggtgcc	aacatccaag	cggcatctca	660
cagattgttc	tgttcaagct	tctggacgaa	cactggggcc	attccggcta	cttggactgg	720
ttgatcaacc	tgcgtatgca	gtataccggt	cgcagagacg	ccattgtcaa	cgcgtgcgag	780
aagtatcttc	ctaaggagat	tgctaagtgg	aaccctcctg	ccgcaggaat	gtttgtgagt	840
atttctccac	ctacgatttg	a				861

<210> 10669

<211> 618

<212> DNA

<213> A.fumigatus

<400> 10669

tttttacctt	atggctccaa	tccggaaatt	tttccccaga	agaaaccatg	tgggcccattg	60
gaagcgggtac	ccttaccgcc	aattgagccg	accagatca	atcccaccta	ccccatttc	120
tggatcaact	gcggtggtgg	tggcatggga	tggtccggtg	gcggtgcttg	ggaatcaagc	180
tggctacgga	cgatcagcac	gggggaaaag	aacaagggtg	aattcgtgtg	ccaggtgggtg	240
ggcgacggga	cgatcctctt	ctcagtacct	ggctccgttt	actggattgc	ccggcgctac	300
aatatcccag	tgctcacgat	tgtgctagac	gacaggggct	ggaatgcacc	ccgcagaagc	360
atgctttag	tccaccccaa	cggagatggc	tcgctgcaa	caaacgaaga	tctcaatatc	420
tctttcgctc	ctaccccaga	ttactcaggc	atcgcaaaag	ctgcagctgg	aggtgagctt	480
tgggctggtc	gcgtggctac	agtagctgag	ctgggcaagc	ttctaccaga	ggctatccag	540
agtgtgctca	atgggaccgc	agctgtcctg	gaagcccagc	tagacgggac	cactggaaag	600
tatgttgaga	agaaatag					618

<210> 10670

<211> 294

<212> DNA

<213> A.fumigatus

<400> 10670

caatctacat tgaaggggtgc tgcgcgttac cttaagactc caggatatccc atcccgtcaa	60
tctcttcata accgcgatat tgggccacat gaaatgctga tcctgactac tgtaggtctc	120
atctcggttg gtgggtggtct gccgtcgcca gaatatctcc ctttcgaaga gattagcgtg	180
aaagtcccaa cgccgccggg attctcccct cccgagaccc aggaatccgg cgctgtcctg	240
actgccaaga aaggggatgt ccaagctgcc agaagtcctt acggtacata ctga	294

<210> 10671

<211> 1110

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1110)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10671

ttgatatact tcaatcttgc tgctcggttat cctaaaatca ctaatgataa actgacattc	60
gtcgcgcaga tgtctcgcac attgacaaat gttatccgtc tggacagttt tccaacattc	120
tgtgcacttt tagtcgcggg ctcaactgtc ttaccggtc ttcttctgcg actttgtgca	180
cttgctcagca gtagaattgg taaaatatcc ggaccggtca agtctcgggt ctttttgcg	240
ttcgttcgct tcgttgctgc ttttggtttc gcttggttta gctttcagct gctcaataaa	300
aagcctatca ggcagcaggg cagcgatggt atctcgagcc acaaaactgg tagcggagcc	360
aatgccggcc atagtcccga aaagaagatc acccctcaat acagtcctga tcttgccggg	420
aggactatgg acctcactct ttctactttc actagagcaa tggatgctct tgtctgtttg	480
ggatggtcac gctggcgagc ttgcgcggaga ggtcagaacc gctgggtctt agttgagact	540
gtcgtcctcg tgcttgccga cacagggctt ttcgctgcca gctctgctgt agtaatgtgg	600
gcatggtttt acctcccga aaggcttcct agatcttatg gaaagtggat tggcgaggta	660
gcgaagggtg acatccgact cattgaagca cttcgacggg ccaggcgagg gatattcgta	720
tatggaaaag aaactggcca ggcgcgtctt cttgagtcta tgtgtgagga ttacaactgg	780
cctagagagt ggggagaccc aagcaagact attcctatcc cctgcgaaat ggtacacatg	840
ggttgcggtc ccaactgcga aaaacacgct gtttgccgat ttgctaaaac attcaaattc	900
gcttggtgcaa cctatatccc gctgcaagtt gtcttcogtg tgcggtcaat gaaaacgatg	960
tcgtctctct ggccggccct ggccgacgcc ctacggtcat ctaccttcc tgcttcattt	1020
gtgagcattt tctactatct tgtgtgcctg gcccgaaacga gaattgggtc aaagatcttt	1080
agccgggaaa cggtgacacc acagatgtgn	1110

<210> 10672

<211> 249

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (26)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10672

tcaaacctca agtccaggaa tgcccnacat ttgcatgccc cggttaatgg ttggctggga	60
acctattccc ccgggtccca acctccctta acaggccgaa aaaaatccgc tccccaatc	120
tcggaatgga aaattaacca atttggaaac atttaaattta atttccccga acaagccttc	180
agaaagcccc ctaattttcc ccccgccgtt ctctctgtt cgggccccc aaacctccc	240
ctccgcggc	249

<210> 10673

<211> 1197

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1143)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10673

cgtgtctctc	ctacagctgc	tggtatcaat	gcgattgttg	gcccttacat	tggaccctcc	60
gatgctctgc	ttacctacct	tcctcaagcg	cacatcctgg	agttcatgtt	tgagaacctc	120
tgcttggtct	ggggtggcac	aatgggttac	ggaaaccccc	ggactctgtc	ggataacctg	180
atgcgcaaca	gcaagggcga	tatccgcgaa	ttcaagccga	cgattctcgt	gggtgtcccc	240
gctgtctggg	agtcctgcaa	gaaggggtgt	ctcaacaact	tgaacaaggc	cagcttcctc	300
ctaagggggc	tggtctgggg	cgcaatgact	gctaaaaact	tcctgttgac	aaatggattc	360
tcgggagcca	gcacgagtgc	ttccattctg	gatgccgttg	ttttccgtca	gttgatggaa	420
gctaccggtg	gtagactgcg	tatcgtactg	aacgggggtg	gcccgggtct	taaggagacg	480
cacaagttcc	tctctatggc	cattgcccc	atgatcagcg	gctacggttt	gaccgagacc	540
tccgctatgg	gcgctctcaa	cgaccccatg	gcctggaacc	cggatgccct	gggtgaaatt	600
ccgggatgca	ttgaaatcaa	gctgggtgat	ttcccggatg	ccggctactt	caccaagaac	660
gatccgcctc	agggagaaat	cctcatccgc	ggtggtagtg	tgacttcgta	ctattgggac	720
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gtgcccgttg	aggctgcctt	gaagaagatc	gccagtgaga	atggcattga	gggtgacagc	1020
gtcgagtcgc	tggttcacaa	tgagaaattg	aagtcatttg	tcctcaagca	gctccagagc	1080
gccggcaagg	ctggcggtct	caggggtatt	gaggtcatca	atggcggttg	gttatctgat	1140
gangatggac	actcagaatg	tagtcttacc	accctcctct	ttcaaactac	gagctga	1197

<210> 10674

<211> 624

<212> DNA

<213> A.fumigatus

<400> 10674

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gacaggttcg	gtcgatcaaa	caggagctat	cagtaccttt	ttctttttca	tacagctccc	120
cggatcttcg	tgatcgcagt	tcaagatgtc	gaagcgagac	atccacctcc	aaccacagga	180
tgtccaagaa	gcctcccat	cacagtggag	gcttctggct	acgagcccgt	accgggtgag	240
accatccctc	gtagattgcc	acaggccaag	gacaacctca	tcctacggcc	cgcgaggagc	300
gtcgcaacta	cctacgatgt	tttcagacgg	tccgcgcgtg	tgttcggtaa	cgcaaaggcc	360
gtcgggtact	gtcgccttat	caaaacccat	gtggagaaca	agaagggtcaa	gaagattgtc	420
gacggtgtgg	agcaggaggt	cgaaaagaag	tgacatatt	ttgagatgag	cggttatacc	480
tacaagagct	tcgttggaata	cgaacgcctt	gccttggaat	tgggttggtg	gttgcgcaag	540
ctgggattgg	agaaggataa	taagattcac	ctctacggcg	caacaagggtg	ggctttacca	600
gcggtcttta	taacagagga	atga				624

<210> 10675

<211> 564

<212> DNA

<213> A.fumigatus

<400> 10675

atccaaacag	gggctgcac	tcaatcaatg	accatcgtaa	ctgcgtacga	cacgcttggg	60
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gaggagggac	tgaagcactc	gctgggtgcag	acgtcgagtc	ttgctatctt	ccttgacccc	120
ggtcttatcc	attctcttgc	caatgttctc	agcgatgtta	agtctatcaa	gcacgtcatc	180
tacaacaccg	accaggaagt	taagcaggag	gatctggaca	agctcaaggc	tgatttcgac	240
tacttgaaca	tcatgagcat	tgaggacttg	cgaaaactgg	gagaggagaa	ccctgtcgaa	300
ccagttcccc	cgtctcccga	ggatctctgc	tgcattatgt	acacctccgg	ttccacgggt	360
ccaccaaagg	gtgtgcctct	gatgcacaag	aatgtcattg	ctgcgagtaa	gttagctgat	420
ttgatgatat	attgcggctc	ggcgaagtta	acgtgtctct	cctacagctg	ctggatatcaa	480
tgcgattgtt	ggcccttaca	ttggaccctc	cgatgctctg	cttacctacc	ttcctcaagc	540
gcacatcctg	gagttcatgt	ttga				564

<210> 10676

<211> 846

<212> DNA

<213> A.fumigatus

<400> 10676

cttgagtagc	tgagtgaatg	caggtattgc	gattggcatg	atgttcacga	tttcgccgct	60
gtggataggc	gagacgtgtc	ggccggaact	tgcaggggtc	ttcctttgct	tcttcaatac	120
gagtattgtc	tttggacagt	tgcctatgtc	agtgtttctt	gtaggccagt	ctacacacgg	180
gctaattcac	gtacagtgcc	gccgtggcta	gaggaagcag	ctacctggat	ggcaaatggt	240
gagtcactcc	acgacaccgg	caaagtcact	gtacacattg	taaccgccac	aacaggcaat	300
ggtggctccc	cgttggtggg	atgtatatct	ttccaggtaa	agccccatcc	cactccgact	360
gtacggaata	ctgctcacat	cacagccatt	ctcacatttg	gctggctatt	cttcccggag	420
tctccatact	ggctgggtcg	acaaggaaaag	accacccagg	cccaaaatgc	cctccggcgg	480
gtctacgggt	tcaagaatga	cgccttctac	aatgtcgaa	tccgtcgcat	ggcaaccgag	540
aataaccaag	ccctcgcatt	acagcgcagt	ctcacgcagt	ccaccgcgtc	cacatttctg	600
ggcctcgacc	tctctgccga	agccgagtgc	ttcaaccgca	tgaaccgcaa	gcgccacctc	660
accgccatct	tgcgcccgag	cggccagcaa	atgatcgggc	cgactttcgt	catcgggtag	720
gcgacatact	tccttgacct	aatcggggtg	aaggactact	togatgcgtc	gatcgctctc	780
tacgtggtaa	tgctgctggc	cagcatggcc	gccttcccc	tgaccgaaat	catgggcccga	840
cggacg						846

<210> 10677

<211> 384

<212> DNA

<213> A.fumigatus

<400> 10677

cggaaggac	ttttgatagg	cctctgggta	tccagcgggg	tcatcatgca	aggcttcgat	60
atcgtcgag	gaggccagtt	agcggctctc	ccggagttcc	agaaacaatt	cggccgtctg	120
cagccggacg	gttcgcata	catccctgct	cactatctgt	cggcgtggaa	ttcgattgct	180
cccgcctgog	agatcgcgtc	gacttttata	tatgcgccgt	tactggagaa	gtatggccgt	240
aagcctggta	tcttagttgc	ctcggccatc	tctgttgccg	gagttctcct	ccagcagcta	300
gcgacggatt	ggaggggtcca	tctggctggg	cgaggggtta	acggttggtt	tgtttcggtc	360
ttcttgactt	gcagtactga	gtga				384

<210> 10678

<211> 261

<212> DNA

<213> A.fumigatus

<400> 10678

tgtcgcatgt	atatatttgc	gcgcaccttt	ctttttcttt	cccgcgcttg	tttgagactc	60
gtagtacaac	accttctgaa	cgctgaagca	tctgctttgt	accttatagc	caagggaaaa	120
tggactcgta	acgaaacaac	cctccgtgtg	gctctcccat	gctcaacttt	ctccgctctt	180
tctggcgcat	caaacgcccc	tcaaccatgg	agccccctcat	tgccgtcgtc	ggtgccacgg	240

gcaccggcaa atccaaggtg a

261

<210> 10679

<211> 327

<212> DNA

<213> A.fumigatus

<400> 10679

cttgcagtgg	atthagccac	ccgattcaac	ggcgaaatca	taaatggcga	cgctatgcaa	60
atgtatcgtg	gcctacccat	catcacgaat	caaataccat	tcgaggaacg	gaatggcatc	120
ccgcatcacc	tgatcagttg	tgtcgatttt	gaagaacagc	cgtaggcgat	aaggcatttc	180
aaaatgggaa	tgcttgcgac	ttataaaaagg	gacatacact	cccgaaggga	aagcctccca	240
ttccaattcg	gaggaacgca	ctacgtacac	actagacggg	tactcttcaa	aggattaact	300
gggttgaagg	agagcccctt	tctcggg				327

<210> 10680

<211> 216

<212> DNA

<213> A.fumigatus

<400> 10680

aataaactg	ccttaaccgt	cgccgtagtc	cctcctcgtc	cagacatggc	agactcggac	60
aatcatacgg	gtccttcgat	caatgtgaat	ggcctaaatt	ataagttccc	ggatggttct	120
tcaggcttga	caaagtgtgc	tctcagtcct	cccgcaggga	gccggacatt	gctcattgga	180
ggtgatttcg	tcccctccag	cctagatgag	tctgtga			216

<210> 10681

<211> 633

<212> DNA

<213> A.fumigatus

<400> 10681

ccgattgtta	acgccattcc	agcaaagtgt	gccggcaaga	ccactctcct	gcgcttgctg	60
gcaggcaagc	gcttggtccc	gacagatata	gtttctgttt	ctggcaggga	tccctttaag	120
cacggcctcg	aagggtgac	ttacttaggt	gttgagtggg	ttctgaacag	cattgtccgg	180
acggacatcg	acgtcccaac	gtccttagca	tctgtgggtg	gagacgccta	tcccagagcg	240
agggatgagc	tagttgagat	tctcgacatt	gacctccggt	ggcgtatgca	cgccgtgtcg	300
gacggtgagc	gcgcgctgt	gcagctggcg	atgggtctgc	tgccgccctt	gcagggtgctc	360
ctgctggatg	aaatcaccgt	ggacctggac	ttgctttcta	ggagtaactt	cctttccttc	420
ctcaagcggg	agacagagac	aagacctgtc	acgattgtct	atgccacaca	catcctggat	480
aatctgtcgc	agtggcccac	ccatctcgtg	catatgcacc	tcggaaacgt	tagccaatgg	540
ggccctatgg	aaaacttcaa	aagtgaggtt	acagagacat	cagagaacag	tcaactcggt	600
gagcttgtgc	tcaagtggct	caaggatctt	cac			633

<210> 10682

<211> 882

<212> DNA

<213> A.fumigatus

<400> 10682

ttaatgtctc	tcctaata	catctaccgc	aaagtattgg	cggtgctcat	cagagctggt	60
gtcacaggtg	gcaagcgcat	atctgcaa	ccagatgatg	tccttcagat	aacgtcacga	120
gacgcgggca	gacacttgag	agctcacctc	tatcggccag	caacttcgtt	gtcgccatcg	180
cctgtctcca	tcaacttcca	tgggagtggg	ttcttgctac	cgcttcacgg	aagcgatgac	240
gaattctgtc	gacgagtaag	tgcagagaca	gaatatacag	tggtggacgt	ccaataccga	300
ctggcgccag	aatatccatt	cccagcggcc	cttaacgacg	tggaagatgc	ggtcaagtgg	360

```

gtcctgcaac agccagacaa gttcgatttg actcgagtgg ccatctccgg gttcagcgca 420
ggaggggaatc tcgcgatcgt ggcagcttcg gtgctctacc cacgagagac gttccgatct 480
gtcctcgcat tctaccctcc gtcgatttg tacacggacc ccggagccaa acgcccgcg 540
gatccggcag ggaatcctat tctcgacct ttgtgtcggg ttgtcgacaa gtctatgtc 600
ccttccgcat atgatgccag agaccacgt atttcacat gctatgcgca gcctgagagg 660
tttccagatc gcgttcttgt tgtgacagcg gctggcgaca gcctggccgg tgaagctgaa 720
gccctcgctg caaagatagc caaattgccc ggtcgccagg ttgtgtgcca gagaatgcaa 780
ggttgcaacc atgcctggga caaaagtgtc cgtccgggaa ccatccaagg tgatgccaaa 840
gaaaaagcct atgccatggc tgttgcaatg ttgatgcgct aa 882

```

<210> 10683

<211> 231

<212> DNA

<213> A.fumigatus

<400> 10683

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tattactccg tgggtcataa gccagactg gccctccccg ctccaatgac tttcgaagca 60
cgccccaagc ctctaccgca acgcaccctg attgcacagg aatggcaaca ctgccgtcat 120
ctcttctgtt ccatcgccat ctatctaagg tactccgttg tatttcaagg catcctagat 180
attcaacact atcttatcgc atttaatcat tcacttgaaa agaacagata a 231

```

<210> 10684

<211> 990

<212> DNA

<213> A.fumigatus

<400> 10684

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ctctatgatg aagggataat cataaccgtt gcagcactcg tcgctgctgg tatagcggtc 60
tatgaatcgc cacagttcca agaatgggtg aacaactctc gtcgtaaaat tgcgctggct 120
ttacacaatc tcggagatga aattcaacct cgagactcta catcttcacc cagggaagat 180
atttctatga tgggaagagg aggtccggcg gcagaagaac ggagaaggat tgctcgcgag 240
gaaatccaga agagagctgc tgcctcgcga gaacgtcgga agcgaggtca ggggtggttcg 300
tttggcactt tcgatgccct tgtggacgaa aatggaaacc tgttgccggc ggacagtcgg 360
gagcccactg acaggacgct tgcaaaactc accgctgtgg atttgccgtc atcgagctt 420
gtccaccgtg ggcccaaaga gccagatgtg tcggcttccg tgagcgagat tagaccagcc 480
ggcatcgtga ccgacagtga taaactacat ttagagattc catctactgg caaccattca 540
gcgtctcttg tcgatctcac tcctacttct gatgatacag atatagactt ctttgccctca 600
actggtgaca aatcggaaga agccgagcgg tctgtgcatt ctccgcaac ggatcaagaa 660
caaagtgtct cgtcgagtca caccgaggaa ggatctcaaa ccatctttga gcacctgaa 720
tcatcactta tagacagcaa tcgtgagctc cgatcgccgt tctctgacct gtcggaactg 780
aattccacgg gtttcgagca gcaagaacgt tcatctacgc cgtctactgc tgatagtttc 840
agccacgttt atgagtcggc cgaggatgca acgtcagatg gcaactctcag tgacctcgga 900
aggtccatgg atggtgcagc cactcccggc agttggtcgg aggttggttag tgtcgtttagc 960
aacgaagact tgggccacca cagattttga 990

```

<210> 10685

<211> 672

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (293), (537), (579)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10685

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ccaacggcta gcacacagaa gaaccccgat gacgttgtca tcaccccttgc gctgcggaag 60
ccacttacca aggcgcgcaa gggcggttc aaggacaccg acctggacta catgatctac 120
gctctattga aggaggtagt gcagaagtcg aagctcgatc ctgccctcat cgaggacgtc 180
tgtctgggca atgtatgttt cctacttttg tttcaattct acgcaggaaa aaaaaaccca 240
attaacaggt accaggtcaa cgacggcaaa gcggcctacc tcgtgcgcgc ggnccgacctc 300
gccgcgggca tccccacac agcgggcgcg tcgtcgggtca accggttctg ctctctctggg 360
ctgaaggccg tgcaagacat cgcaaccag atccagctgg gcgcgatcga cgtgggcac 420
gcggtcggcg cggagctgat gtctgcaggc ggcgaccggc tgccgcggcc gttcaacgag 480
gaggtgctca agaaccagga agcggcgagc tgcagtcagc ccatgggcca gacgtcngag 540
aacgtgggcg cggacttcaa catcacgcgc gagatgcang atacgtaccc ggcggaatcg 600
tttccggcgg gccaaagcgg gcaaaaagcg ggctgtttcg ataataaaac gtccccatca 660
cgactaaggt ga

```

<210> 10686

<211> 1497

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (854), (1352), (1363)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10686

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agacaatttg cctgccaaaga gtctcagctc agcgatgagg caaagaaact catggagagc 60
gtgctgtagg atgtcgccaa gatcaaggcc caaatgggtc tggaaaaaga caaacaagat 120
gctgcggatc gtggcgccga gggactgaaa ggcaaagacc gccgcattgc acagcccaag 180
ggcaagtccg gccgctttag tagcgctcat atggcgagg tcaagaagat ggactccatc 240
gccaaccatc cctccgcggt ccgagctgcg ccaggccgct tccagccagt tggggcgaca 300
ctcaagcggg ccaactcgaa agcgggcttt aacgaagccg actccaggcg ccagtgcct 360
ctcaagtcga cggcgaagcc ttctcctgcc tcagtgcgcg caagtgcgaa acgtgtcaag 420
caggacaaga ccgacgacgt ttcgactcgg catccgacca ctgacgcaga caaaaagacc 480
cccaagacga ctcttccacg tcttaggtct gctgttcgca gttccttgat gacccccacg 540
cgagcctctg ctgcacgcac ctcatccgta agcctcaaac caccctggac cagcatgatc 600
ccttcgcttc cacgttctcc ggtctcgaag cctgctggca tcccacacac tcccagacc 660
gatttcaacc cgcgtatcaa gagcaacttg cctacactgg gtggtctcaa atccatcttt 720
cgccgtcatc agcccttatt ctcccacgac cctacgaaga tcgctgcagg cactcatgta 780
gccgctccag acttcacctc caagttcctt ctgggggcat ctgctgagcc ttcagtgtat 840
gaagagcccg ttengatact atcgcccaag aagcgggtcg agtttactcc caccaccaag 900
tcaccagtcg ccaaagtcga cagcgagctg gaccagcctt ctcttctgcc atctaagatc 960
acggtgtctg tttccaaggc cacgtcggac attgtgtatc ccaccttgcc cgttctgaca 1020
ccggagaaga cttctgccgc tgctatcaga tccagtcagg atggcactcc aaccatccgt 1080
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ccgcacggaa tgggcaataa gaagcctacc accttaccgg acattgcggg tgtgccccat 1200
ggcattggta acaagaagag acaccgcgcg actgaggatg aagcggacac cgagaatgtg 1260
cctcctgcgg attccacttc agatcctcgc agtgctaaga gactcaaatt cagegccccca 1320
tctcgtgcaa aggcctcctt ttccttcagc cntaccaagg ccngtactca caccctgtc 1380
cgcaattctt cgatctccag ccgtacgggt acacctgcca gcgccagagc gaaaagccga 1440
ggcgctctca gcatcagtcg cctgaacatg ctcgctcagc ccaagcaccg tcgttga 1497

```

<210> 10687

<211> 714

<212> DNA

<213> A.fumigatus

<400> 10687

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gatcagcctt tcatggtagc caggaaagag tgcaggttgt actcctcttg gtactgccgg 60
tcgtcccaga gttcgccgag gtcgtcgagc cagcccttct tgccttctc cttgacgttg 120
ccgtcgatgt cgaccatgtc aacctcgttg ccagccgcgt cgctaggctt ctcggctgtt 180
tcggccgtct cgcctagggt gaaaagggtca aggagttggg ctgtgtccat tgtgccaagg 240
ccagcatttt gctggttgac cactgtggag gcgacgtcga tcttgaatcg ttgcaggcta 300
gaagaaatgg ttagttacga gtttctcttg aggcagtcgg atggggactt agacttactt 360
caggatcttc tctccaagg tgccgcgagt gatcaaccgg tagacgttga cgaccttctt 420
ttggccgata cgatgggcgc gatccatggc ctggatgtcc ttctgtgggt tccagtcgtg 480
ctccacgaat atgactgtat cggcgccggg cagattcaga ccgagaccac cgacgctggg 540
cgtcaaaagc aacacatcgt agctgggacg cgtgttaaac cggttgacaa tgcctgacg 600
cctggtagct tccacgctgc cgtcgagccg gaggaattga acggacggaa gcagcttggt 660
aaacacttcg ctttgcacga tatccagcat ctccttcacg tgacagaaga ttag 714

```

<210> 10688

<211> 606

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (96), (225)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10688

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tcaagaaaat ttcttcagcc ctcaagacat gggttgttcg gcactccccg gggttgtcgt 60
caagaaggcc ccaagcagtc cagcaggttc agcatnactt gctgccaagc atttaacatt 120
cgagacgttg cccatgcgcc taagctcagc gcattgcgcg acctgctcat cgactgcggt 180
attggtgttg actcgccaag cgagggcgat ttgagcggcg ccagntatgt cagtccccac 240
cgagccctaa tcttctgtca gatgaaggag atgctggata tcgtgcaaag cgaagtgttt 300
aacaagctgc ttccgtccgt tcaattcctc cggtcgcagc gcagcgtgga agctaccagg 360
cgtcaggaca ttgtcaaccg gtttaacacg gatcccagct acgatgtgtt gcttttgacg 420
accagcgtcg gtggtctcgg tctgaatctg accggcgccg atacagtcac attcgtggag 480
cacgactgga acccacagaa ggacatccag gccatggatc gcgcccacg tatcgccaa 540
aagaaggtcg tcaacgtcta ccggttgatc actcgcgcca ccttgaggga gaagatcctg 600
aagtaa 606

```

<210> 10689

<211> 312

<212> DNA

<213> A.fumigatus

<400> 10689

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ctaaccattt cttctagcct gcaacgattc aagatcgacg tcgcctccac agtgggtcaac 60
cagcaaaatg ctggccttgg cacaatggac acagaccaac tccttgacct tttcaacct 120
ggcgagacgg ccgaaacagc cgagaagcct agcgacgcgg ctggcaacga ggttgacatg 180
gtcgacatcg acggcaacgt caaggagaag ggcaagaagg gctggctcga cgacctcggc 240
gaactctggg acgaccggca gtaccaagag gagtacaacc tcgactcttt cctgggtacc 300
atgaaaggct ga 312

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<210> 10690

<211> 255

<212> DNA

<213> A.fumigatus

<400> 10690

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gactgcgcac cagacgcttg cttcgatcca atcagcctcc actaccccc ctcattccag 60

```

tgccaaacct	acctgtgtta	catgatccac	ctcgaacgac	gtttgactct	caacatcaaa	120
gtatcggttc	ccttctatct	tggtgaattc	actgacgatg	acctaaagccc	agtcaccttg	180
tcaaaatacg	gcctcttgaa	ggttgcacgc	aacgacgacc	cacctctga	ctcgctccgg	240
gtagcttcac	ggtag					255

<210> 10691
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 10691						
accacttcgt	ccacgacaga	tatcaaggct	cttacctcgg	acggatcgga	tattatcccc	60
tctctcgcg	ctgctgttga	aagatacaat	gagaagcaat	tgactaccgt	gaagctaccc	120
ggagcgagtc	aggaggtggg	tcgtcggtgc	gtgcaacctt	caagaggccg	tattttgaca	180
aggtga						186

<210> 10692
 <211> 366
 <212> DNA
 <213> A.fumigatus

<400> 10692						
cgagggacac	gctgtaggaa	cggtcgcttc	cgctccatct	accgagtcct	cgtgtccgag	60
tcgaccaccg	tgagcggcaa	gacccctgtg	gatgtgcatt	actatgagga	tggaatgtg	120
gctctcaaca	cgaacaagcc	cattaatatt	gccattccct	cgatctctgc	tgagagcatc	180
atctcccgca	ttgcggtgc	agagcgagac	tatcaggagg	agctcaatcg	tgcatctgtg	240
cagatggccg	agggcgcggt	caagaacctg	cggagacaat	tgcccattac	ccggcagaag	300
gtggaatggg	agaaggttgg	aggggtaccg	ctgggacagg	atatttctgg	tggaagggga	360
cggtaa						366

<210> 10693
 <211> 1422
 <212> DNA
 <213> A.fumigatus

<400> 10693						
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acaccacgga	atgtcgacct	ggtgtcggtg	ctcctgacct	cgcgtagctt	gcacgctgcc	120
acacttggtg	tggtgtaccg	aaacatgacc	ttcccgcat	ccatcatctt	ctccaaggct	180
ctcaaccaca	tgctgcagta	tcccgcgctc	ggaacgctcg	tgctgctctt	ggacttttcc	240
catttcacct	ccgtaggact	cgggcgccacc	aagcagatga	atgcagaaat	ccagaatctc	300
acctccacca	cgctgttgaa	atgtttggat	cttctgocaa	accttaagga	atgtctgctg	360
caggagcatg	tggaaggtga	tatcagcgtg	gacatcgctg	ggaagatatt	caccggcctg	420
cccaacctac	atggcggtga	cttttgccggc	tgcgctaccc	agtcattctc	ggcggttttc	480
caccaagctt	tgaccacaga	accgggcctg	cctctgactc	taccgaatct	caaacgggtg	540
tccctacacg	agtgtagcag	tctgcctccg	tctacttttg	aggttcttct	tctctgctctg	600
atcaatttga	cgcatctcga	tgtcacgcac	acgcagatca	gcgaggcggc	gctcttctcc	660
attcccagaga	ccgcccagat	tacacatctc	agcctttcgc	ggtgcactcg	gctgaagggg	720
ccgaggggtg	tcgagtttct	gaccacgcac	ccagctgtgt	gcaatacact	ggtgtacctt	780
aacctctctg	ccgacccac	tcgctatcgg	attctcgagg	aggacgatgt	ctctgctctt	840
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gctcatgcgc	ctgccttagt	acctttgacc	aagcatctcg	aggagctcgg	cttgagctcg	960
gcggatttgc	cctgcaaaga	tctcaatatg	ttcttcgcgc	cgctctctgt	gtcggaccat	1020
acgggctcag	ccgaggggcc	ggaaccgtgg	gtgccgtcct	cggtgtgcta	cttggtatctc	1080
aacaaggtcc	cgcagttgtc	gattggcact	atcttcaata	ccaatacttg	cttgctcctt	1140
tcgcagcaga	ggtatctctt	gcaagtcatt	gaattcagtg	acaagatcat	tgctccgctg	1200

agggagagag	tcaagaataa	ccgtgcctcc	agcggctgga	ccgtccgga	gctcggcaga	1260
cgcggtggt	acgtgcgtga	ccctgcatct	atgccaaacc	aagtccccga	cgacggctct	1320
cgccctgga	aaatgggcgc	ccgttggtgg	gggatgagga	agatccccgt	tgcagttgga	1380
gacgttgga	gcattctatg	ccattacatg	ttcaagaaat	aa		1422

<210> 10694
 <211> 318
 <212> DNA
 <213> A.fumigatus

<400> 10694	
ctttggcaag	gaactcgtta
tataaaccaa	ctaagtcgtg
ctctgaacat	cccggagagt
gccatgaaag	ccgctgggtca
ggttttcaag	ctcgtctgtc
gcttaaactt	catccaaggt
cgctcgacga	agacgggttc
agctgtctgt	ctgtatatcg
cctgtcgacg	acaagatggg
aacactgtca	tgtttattga
ttttgcgcac	gtactgatgg
tgagtaattt	acggcaatta
gaccctgggt	ccgtacactc
gctaactctg	ttcagggtcaa
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cctacaaggc	cctcctag

<210> 10695
 <211> 987
 <212> DNA
 <213> A.fumigatus

<400> 10695	
cgcgtaaaaa	gtcgcccccc
agcaatctcg	tgtattcttc
tcattctttc	ttcatcatct
tccccctgca	tcgaggcttc
cgctccctatt	ttcatttgc
accgggggtct	actgctagt
gctcttcgat	ggctctcaata
tatcccgat	acaatcatta
ttcgttctgg	tcgacctcga
agcgtcact	cgctctctcc
ccagtgtctg	gacatttttc
cttccccag	cccactattt
ttcccttttt	tggaaagtcca
gactcgatct	ccttttcgtg
attgggtccaa	tcaacatcgc
catataagag	gcttagatca
caattgttgt	actttactac
aaggactgat	ctataccgc
gctgtttgct	tcttcgtaaa
cccttgtccg	ttatgctcag
cacccagcct	atctgaggt
cagcctccag	tcgaagggtta
tttgggccgag	tttcagctca
gcctctctc	cgatatcacc
acgttgtgca	tgatgtctgc
cttttagacc	aacatgcgtc
cctccatgcc	ccctaggagt
gggtccgagag	ctccgcccgt
aggccgtctg	gcgagcctca
aggctcctac	tccgactccg
attaaacggc	ctcaaccagt
tgacagacc	caggccgcca
ggccgactac	ccatcctaag
accactacat	gccccaatcc
tggtatgtcca	gctcctcata
ttgtggagga	tgacggccaa
aaggtttgct	cgggctgtgg
tactgtcatt	agtgaggcaa
atattgtctc	cgaagtact
ttcgggtgaaa	catcatcggg
tgacgcggtt	gttcaaggaa
cggttcgtcg	tgaagaccag
acccatgtcc	gcagctatgg
accgggcttt	caacgaggag
gtgctatgga	gagtcgagaa
attacagaac	aaaacggtag
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ctgttttact	agctcgtgct
gactttggca	aggaactcgt
tatataa	

<210> 10696
 <211> 381
 <212> DNA
 <213> A.fumigatus

<400> 10696	
tttacggcaa	ttagaccctg
gggtccgtaca	ctcgttaact
ctgttcaggt	caatgtattt
aaactcggtc	gaacctacaa
ggccctccta	gatgaactac
gtcttgccg	taatgtcttc
ttgatgaacc	cgattgatcc
agagagtttg	atctatcgg
tcgccaagca	actcgaattc
gggactgcga	cgatgcaagt
tgccagcgag	gagttcgca
ttgttcagcg	aatgaaccgt
gattggatga	ctaccggctg
acgtccggcc	gggtatttgt
gcgctgcttt	gatccttgca
gctcgaatga	acaattttcg
tcaaacagtt	cgtgagggtcg
tttatgggtg	tgaaagtcac
cgagatcacc	atcaaccagc
g	

<210> 10697
 <211> 285
 <212> DNA
 <213> A.fumigatus

<400> 10697
 ccaagtggag gcagttgggt tccccgcac atcagatatc tctcagcaac cattctcatg 60
 ggagcgctcc acggagacaa tatctactca ttttcaagga caggatacac attgcatggt 120
 ttctatgata aggtcgtagg atatgggttt acctacacgc cgctggatta tactcatcta 180
 ggaacaatca tatctacttt cctacagaca agtacgcaga caacctgggc gacactacag 240
 ccgcttaaac tctgcacctc ccagctgctc actctgcgct cataa 285

<210> 10698
 <211> 489
 <212> DNA
 <213> A.fumigatus

<400> 10698
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 gcaagcggcg atgcagccgc cattatcctg atgggcaagt cgcaggccga agcgcaagcg 120
 atgattgacg atatcaacca caaacatccc aaggcgaagc tgatattcat atcgggtggat 180
 ttcggccggt tggcctctgt gcgcgaggcg gcggaagcga ttaggaagct tgagggtccc 240
 atcgatgggt ttgtgggggt tcccacggta gtggctggac cgtggatgaa gacggaggac 300
 ggaatcgagt ctcaactcca gtgcaactat ctcagcaatt tcctcctgat caatttggtg 360
 gttcacttga tgccggcagg ttcaagggtg gtcacgcttt gctctagtat ccggcctgaa 420
 gcgcgcgcgc cggcctggga tgaccccaat ttcgcagtaa gtggtttgct ctggtttgag 480
 ttaggatag 489

<210> 10699
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 10699
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 ttatctgctg gcaagagcgt gctgatgcag gctgccatgg gtgagccac gctatgtatg 120
 agcctacgct atcagaagat catatatagc ctacgccaag gtaaaatctg ggtctcgcca 180
 gcgtga 186

<210> 10700
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 10700
 aacattctcc atgcatcgct ctgcaatttc ttgtccccag tgatgcggta catgatgaaa 60
 accgactcga tggcctcagg tctagaacaa tatcagctct actacaccgc atgcaagacg 120
 gaaattaatt ctcagcaaat cacttacgc agcaaatatc tgggatccgt gatctcagtt 180
 agaccagggt ga 192

<210> 10701
 <211> 273
 <212> DNA
 <213> A.fumigatus

<220>

<221> unsure

<222> (34)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10701

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cgatatgtag	gagggttact	tggtgcctac	gacctgaccg	acggtaaaca	cccgatcctt	180
ctgaagaagg	ctgtagaact	ggccgacatg	atctacgatg	cttttgatac	taccaatatg	240
atgcctcagt	ctcgctggca	atggagcagg	taa			273

<210> 10702

<211> 894

<212> DNA

<213> A.fumigatus

<400> 10702

tactaccaat	atgatgcctc	agtctcgctg	gcaatggagc	aggtaagccg	gccattgctt	60
ctggaaccac	tcaaagtctg	tgctaactat	ggccatagat	ctgcccgtgg	cctgagcatt	120
caaccaagca	gacaaactat	cctcgcgga	ctgggttcat	tgaatctaga	attcactacg	180
ctatcccagc	tgactcatga	tccaagtac	tttgatgctg	tccaacgaat	cacgaacgtt	240
ctcgacgatg	ctcagaataa	gacaaaaatc	cctgggctgt	ggcctatgat	ggtcaacgct	300
gaggatttag	agtttacaga	tcctcgcttc	actgtgggtg	gaatggccga	ctcaacgtat	360
gagtatttgc	cgaaggagca	tatgctactg	ggagctcgga	cggatcaata	ccgcaagatg	420
tatgccgctg	ccatggaggc	gatcaagaag	cgcttattgt	ttcgggccat	gacaaaaaac	480
ggcgaggacc	tcctcttcgc	cggaacacc	cacacgggtc	tcgcaagcaa	cgcgcccccg	540
gagcctcaat	gggaacatct	gaaatgcttt	tttgggggca	ccgtggggat	cggggccaag	600
atcttcaacc	gcccggagga	gctctcaatt	gcacgaaagc	taacagatgg	ctgtatctgg	660
gcatacgatg	tcatgccac	gggaatcatg	ccggaaagca	tgcattctcag	cccttgccag	720
agtatggatc	attgtgaatg	ggacgagcag	aagtggtagc	aagatgtccg	gcggcgacta	780
gccaaaggat	caaaggagaa	agacacgggt	caagaagcca	agacaattat	ccgggacagt	840
gggcttcaac	ctggtctaac	tgagatcacg	gatcccagat	atttgctgctg	gtaa	894

<210> 10703

<211> 429

<212> DNA

<213> A.fumigatus

<400> 10703

tattgttcta	gacctgaggc	catcgagtcg	gttttcatca	tgtaccgcat	cactggggac	60
aagaaattgc	aggacgatgc	atggagaatg	tttcagagca	ttgagaaagc	gactcggacc	120
aagtatgctc	atgccgcgat	cgacgacgta	cgagacgtaa	aggcaaccca	gtagattac	180
atggagagtt	tctggttggc	agagaccttg	aagtacttct	atctcatctt	ctccgaaccc	240
gggcttgtca	gcctggatga	ttacgtactg	tatgtgctgt	tgctgatga	ggttttcgcc	300
aaagctaacg	atcaagcagg	aacacggaag	cacatccatt	caagcgctcc	tctgctcgta	360
cataggcttc	tcagccaaac	ccttcctctt	catctcaata	tgctgaggct	tatgctttcg	420
catggttaa						429

<210> 10704

<211> 1182

<212> DNA

<213> A.fumigatus

<400> 10704

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atatctctga	tggtcccgga	tcgcgatggc	aaggagcagg	atgttgatcat	tggtatgat	180
gacctaacg	cctacctgaa	tgatacagag	acagtccaca	ccttcttcgg	tgctgttggtg	240
ggtcggtacg	ccaatcgcat	caagaacggc	acgttcacca	tcggcagtaa	tgagtaccat	300
gtcccgaaaga	atgagaacaa	cggcatcgac	actctccacg	gaggcaaggt	aggctacgac	360
caacggaaact	ggactgtgac	agcacattcc	aagtcttcgg	tcaccttcac	tctctacgat	420
caagggtggg	aagactttcc	tgagacgctc	atcaccacg	cgtctacag	tgctgacacg	480
gctgtcactc	cacaaaaacc	aaagggtctc	ccccagctga	ccaccaaact	gatctccctt	540
gccctgacgg	aggcgactcc	aattatgctc	tccaaccaca	tctactggaa	tctcaatgcc	600
ttcaaggccc	ctaattgtct	aaatgacacc	ttcctgcaac	tcccttactc	caaccgcctc	660
atcgccacag	atggcatcct	catccccaat	ggcaccatcc	tcacggtcga	cgcgttcaac	720
ggcgcccccg	atttcaccga	gggcaagctc	atcggcgcgg	atctcaagga	tacctacggc	780
atgtgcggca	cgcactgcac	cggctacgat	acctgctggc	tcgtcgaccg	acccctcaa	840
tacgtgtctc	cggactcgct	cgtccctatc	gttcgcatga	actccagcgc	aaccggtatc	900
agccttgaag	tatcgtccaa	catgccagcg	cttcaaatat	acacctgcca	caacgccaa	960
atggactacc	tccccatcaa	gccgtctcag	gagaagcgta	acaaggaaga	gggcaaggaa	1020
ggcgcaaaga	atgtcatgca	atatggctgc	gtggtcatcg	agcccgaggg	ctggattgat	1080
ggcatcaacc	accctgaatg	ggggcaattg	ccactgcaga	tcttctctcc	caacgatggt	1140
ccagctgtca	actgggctac	ttatcaattc	ggcactgtct	ag		1182

<210> 10705

<211> 1692

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1243), (1331)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10705

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acacctcaac	agcaattgcg	gtccagtaac	tcttcccttg	cgagcaccgg	ctcggggggt	180
agttcttttc	gcggagaaga	ggacgcaatt	atttttgaac	ttggatcccg	gtggtttcga	240
gctggatttg	agggcgaaag	cacacctata	tgtgtagtgg	gatatgggcc	aaatgactgg	300
aggagagcgg	gcgactatag	aggggtgggtg	aaagggatcg	acaatacgag	cagctcgcca	360
gcagtcaatg	cagatccatg	gactgtgcca	tacgaactgt	ggaggatgga	tttacgtgat	420
gtcgacctga	gactcatcga	ggacaaaatc	ggacgggtat	ttcgggaaac	atataacaaa	480
tatctgctga	cagatgcggg	cacatcacga	ttggtgctgg	tcatcccgctc	tatcatgcca	540
catccgttat	tatcttcgat	tttgtcgact	cttttcagtc	gctggcgatt	ccccagtatc	600
acccttcttc	cgagccctgc	aatggcccg	gtagcagcag	ggctccgctc	agcattgggtg	660
gtagatctgg	gatgggcaga	aactactgta	accggctctgt	atgaataccg	agagatttcc	720
gccaagcgaa	gtacaagagc	catgaagtcc	ttgcttcagg	agacagggag	gatgctcact	780
cgccttgcc	cggacgccag	tcgggaatct	gaagtgtcgg	acgacataac	cgtcagcttc	840
gagtactgcg	aagaagtcgt	cagtcgtttt	gcctggtgca	agccccgggt	aggtgacaaa	900
gtagcttcac	tatctgaatc	gcgcaacatg	caatcaccga	ctggaaacgt	ccccgaatcc	960
ataggcaaca	ggatggtgtc	gattccatct	ccatcgaatc	ctcattcgac	ctatattgat	1020
attccatttt	cggcgcttgc	ggagccgggt	gagaagatcc	ttttcgccaa	ggaatcagcg	1080
gagcgcgatt	tggaacgaca	agaaaagtca	atacctttgt	tggtttacaa	cacgctactc	1140
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gctaataattc	ccggcatatg	acggcgaggt	atcgacgagg	tgncggcgat	ggatcaatgca	1260
tatggctgga	gcccagtcgg	cggcgaaagca	tttcagaaaag	tagaggagaa	gttcctagct	1320
tcgaggtctga	naacgcggcg	gcccgtgact	ggcagtcaca	gttcagcggt	accggataat	1380
caagatcaag	agggcaccga	agaagaggta	gatttcgttg	agcagaagct	acgccgtagc	1440
aaagacaagg	acacgaaaca	ccaggtacat	ggtatactac	gcgaggtgga	atctctgggt	1500
gcctgggccc	gagccagttc	tgtggcaagc	ctcaagatca	ggggacaggt	ggagattgag	1560

cgggagaaat atctccagca tggctcttgct ggtgccagcc gggacttgga acatggccat	1620
gttcctgac gacgttctgg tcttcgagca ggcggggatc ggtcaagctg gacactagca	1680
gcctgggggt ga	1692

<210> 10706
 <211> 216
 <212> DNA
 <213> A.fumigatus

<400> 10706	
catgaacact tgcgtctcct cgacgagact gtccctcgt ctctcttttc ggacatccaa	60
cagcgcgag tgcctatctc aatccggtgg ttctgcatcg gtattacatc tctagccatt	120
tcttctatatt ctgaggcttc ccagtctccg caagacaatc aaatggctat caatctgtgg	180
gagaaacgat tcgagaagag acatttttct tcgtaa	216

<210> 10707
 <211> 213
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (57)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10707	
tgctgtatatt tctctccatt attattccct tctttctctc tctctcttc cctttntac	60
tttctgagt actcgactta catagtaact atttacctat cagtcccttc ctgtccgac	120
ctttccgccc aacaactgag gaagagaggt ctcaatcatc tgcttggcgg gtcgttccgt	180
tgcaataaag tgcacaacat gcgattgcca tag	213

<210> 10708
 <211> 1683
 <212> DNA
 <213> A.fumigatus

<400> 10708	
agaagtatca gggtcattgt ggtcaatacg atatcacttg gctgcgccat tatgtcgaat	60
tttgtccttt tgtggggaat ggcgcgacgc atcgcggtct ccattgcgca gcctataatc	120
ataattggat ggtacatttc atcggtgctc ttgacctgcc tgctgtgtat ttttgcagcg	180
tcgaaagtac aaaacgactc ggatagcggg aggcacggg ggcctactgg atcctactat	240
tacggagctt ttgcagcagg gctatacttt gtgctctctt cctcctcct aattaccgtc	300
tacggggctt gtcggggcca ttacagccgc gaatttcgac tgacaaccag ccagcggagt	360
ctgatgctgc aaaccattct ctttctcatc tacctcctcg gtggagctgc cgtatacgca	420
aggatcgaag gctggaggta tcttgatgct gtctattggg cggatctcac gcttctaact	480
attggtatcg gtgactttgt tcccgagacg cataaaggac gggggctttt gtttccgtat	540
gccgtcggag gtattctgat tctggggttg atcgtaggct ccatccgcgc ccaaagtctc	600
gagaagggac ggcagaagat ggcagaaaact gtggcagaaa ggacacgcgc gttcctcgta	660
cgcaagcag tatctgacca tcgacacctg cgggatgtgg tcccacgctt gcagccggag	720
agggatgaga gtgaccgaga ccgacaactg cgggagttcc agttgatgag acgtgtgcgg	780
cagattgcca cgctcgagcg aaaatggatc tcgctcgcca cggcgttgac cgtgtggacg	840
atgctctggg tcttgggagc gatcgctttt tggctccctg gacagaatga aaagttaacg	900
tattttgagg cgctgtattt tgccctataca actttgttca ctatcggtta tggggacttt	960
cacgtacttt ccgaatggga acggccattc tttgtttttt ggacgttgct cgtgttccg	1020
acggtgacgt tgctcattgc caacgttggg gacacgttgg tgccggacgat ccgcgatttc	1080
accatctacc ttggggagct gaccattctg cctgggggata aacctatcag ggaattgatc	1140

aaagatctgt	tccgcctttc	gtgggcagag	agattcctta	cgaagcagt	tgccgacaag	1200
aagcctgacg	aggaggatgt	tgaggagtct	gctgccaccg	ctactgccac	agcagtcagg	1260
aacgcaaacc	agggtgacca	gggagaagag	caggagcgca	acgcgattga	ggcagacggg	1320
cacaggaag	aagaatcggc	tcgggcacgg	ggagacgtca	cagtggaaac	aatacatcac	1380
caccactaca	tgctatttcg	ggaagtccgc	aggatgatgg	actatgccac	gcgcaatctg	1440
cacaaggagt	tcgattacca	agagtgggag	tatttcctta	atctcatagc	cagcgatgga	1500
gggtgaaaccg	atggagagga	aggggaattcg	aaatgggatt	ggactgggta	caagagtccg	1560
ttgttaggac	agaagacgga	ggtgcaatgg	ttactggagg	cgcttaccga	agcgctggag	1620
agggagttga	ggaaggccag	cgggggttat	cacttgtctg	agcagagcga	gtttgaacaa	1680
taa						1683

<210> 10709

<211> 210

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (180)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10709

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gtagaagagc	ttaatattat	ttatctagag	ggagtctcta	ttaaataata	tctaattagc	120
ctctttatta	taattcttat	tatcttaatt	agaatagcaa	gtcgtaccag	tagtaatatn	180
agacctgaca	cgccagggaa	tggaaagtaa				210

<210> 10710

<211> 231

<212> DNA

<213> A.fumigatus

<400> 10710

tatatactag	tctataactt	cttcctatct	attagtttta	aatatatata	tactaattat	60
tctgtcttta	ttaaataatag	tattactata	ctactctata	tagataatat	tcttatactt	120
ttaaattcta	ataatcttat	taataacttc	cttaagcagc	taggaaaatt	atttaaatat	180
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<210> 10711

<211> 186

<212> DNA

<213> A.fumigatus

<400> 10711

cttatactag	gaacctatct	agatattact	tttactatat	ctaagcttac	ttactttact	60
aggaatccta	gccctaatta	cttcattata	gtaaagtata	tattctgcta	tctaataagag	120
acacttttac	tcttattatt	ctatctttct	atacttagta	ataatagttt	tattaatact	180
aattag						186

<210> 10712

<211> 888

<212> DNA

<213> A.fumigatus

<400> 10712

ggtgccggca	tgccccttcg	ggccaattat	ggacctgata	gaggtgacat	tgtggggacca	60
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cgccactccaa agaaaaaaag ggtaagaca aaggccaaaa aggacgtgca tatggacgcg 120
ctcgatcccc ccactcccat cagagaatcc ttgcctttga ctccaccccc gtccatgcca 180
ggtcctctcg acaatcttgg ctcttcgttc ggtcagagtg cagcttcccc ggagtcgatg 240
actgccattt tcagttctcc ttctcctatc ccaagctccc cttttccgtt ttgcctgtc 300
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caaggactcg actggctgca tcttgcgag gaggagcttt tggacctacg cagggatgtg 540
cccaaagcct tgaagacgtc ccgacggcct caaatgaagc gccagcacac ggccttcaag 600
aagtcactgc ctttctgcaa taccgattcc ctgtatgcca aatttgccaa caagttcgac 660
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ccactaatc catcctcgt ctgcgagccc atgacgttgc gtccaatatt ccacccacgt 780
cctaacaacg agagcgtatt gaaatcggt tccgacgtcg cgtcaacga gtattacgcc 840
gggcagaagt tccttttcga aatgccttac gtaaagggcg tcatgtga 888

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<210> 10713

<211> 198

<212> DNA

<213> A.fumigatus

<400> 10713

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ccgactaaga atatgcatgc caaatcgggc tcgatcatcg taggggacca atccaagaaa 120
cttggtaacg gaaagaaggt cttcaaggcg attctggatg ggagtaccgg tcacggacca 180
gcgtcgctga gcgtttag 198

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<210> 10714

<211> 2622

<212> DNA

<213> A.fumigatus

<400> 10714

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aaacaacttc agaagaatgg taacgaccca gagatttcat atgcgtcgcc agattcccac 120
ataagcgcgc agaatgaagc gccgatgaa cccttgtttt tcttcccatc atccagtcca 180
tgctcctctc cgccagagga ccccgagtac ttggatccaa atgacttact tgtcgacgga 240
acaggccagc aaagtaccag cgcatacact cgtagtgcc caacgactgc cgcgccagct 300
gggacagttt ccgctgcaca tcaacttctc aaccgcgagc gccgccacg gtcattcaag 360
gtcagtcgga aatcgaactc ggggtcgcag acggagtccg tccgatcgca agaagagggc 420
agtgcgagct catcgccacg ccggccagcc aggaatgggc ctgcaccaga gattgagttt 480
atgagcgcac agtccgagga cgataatgac tggaaacgga actcggatca cctcgatagt 540
gacgttgaag cgcgccacgc cagcctcatc gaggatatgt acggggtgga gaaacgggtc 600
caccagcctt acaaaaagat caaaaggag aatgacaagg aagcatcgaa gacaggcagg 660
aatgggccga ttaccatcac cggggacact cagttgggca aatatatgaa agaggacaag 720
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<210> 10715

<211> 207

<212> DNA

<213> A. fumigatus

<400> 10715

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accgtactcg	cctctcacgt	cacggatttc	ggccacacgac	tcgagctctt	cccgaactgag	180
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<210> 10716

<211> 789

<212> DNA

<213> A. fumigatus

<400> 10716

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gcggggtacta	ggaaagcaac	cactgtttct	tctgcaagtg	ctcccgtaa	gaggacaacg	660
attgcccgca	accaagcgcc	ttccgtggcc	tccaaaagaa	gcacagcgct	tgcgaccagg	720
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<210> 10717

<211> 252

<212> DNA

<213> A.fumigatus

<400> 10717

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atgcctaaaa	gtctagtctc	aactgagctg	atcgttgtgt	ataatactga	gataaatatt	180
ttatctcatt	tctctacgtc	gatagatgcc	acggatgtat	ataatctcgt	caccgtggct	240
agatcatttt	ga					252

<210> 10718

<211> 228

<212> DNA

<213> A.fumigatus

<400> 10718

tgtgtttgga	ttgcgcagac	cgcgaaaatc	ggttcgttag	tagatgtgac	cgagtctgca	60
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tctctcatct	cgtccatttt	caaggtactt	ttccgagatt	ttttcgacct	ccagacaatc	180
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<210> 10719

<211> 417

<212> DNA

<213> A.fumigatus

<400> 10719

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gagaagaccg	acatgcacca	ttggggccaga	tttcctgcct	ggcggcctct	tgccaaacag	180
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gagggttctt	attacatatg	cttcaaccaa	ataaaaagaa	gtgtgactgg	catttacttt	360
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<210> 10720

<211> 456

<212> DNA

<213> A.fumigatus

<400> 10720

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gaggacatat	ctactcatac	aacctgccca	cctgaagtgg	agcgattgtc	ctcttgagaa	120
gactctccgg	agcctcttgc	cacggagagc	gatgtccccg	acaatgcttc	gtcaccttcc	180
attcgatcag	cgcataccct	cttgactgcc	caacctgatg	gaacctcaaa	tcagtccaac	240
acagatgtct	caggagttgc	atccggccat	accgctcctg	aaaaaggcac	gatgagatcc	300
gatgacgaag	ttgcattggg	cagattgagc	cctacgaggg	gaacagcaag	ctccgcaaag	360
ccaacgtcga	ctgttgcatc	gccatccact	gcttcacttg	taagctatga	attttctcat	420
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<210> 10721

<211> 1749

<212> DNA

<213> A.fumigatus

<400> 10721

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cgatctggac	cggctcgaaa	ccggttccaa	cggaacag	ccaacctgaa	agatgtggtt	120
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aaggcggaga	ttgagtcgca	tgacaggaag	ttgacggctg	aggaaaagag	acagatcatg	1680
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<210> 10722

<211> 804

<212> DNA

<213> A.fumigatus

<400> 10722

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caggaaggtc	tcaaaaagga	aaagggtccag	aaacggatag	cacagctcga	gcagaaattc	180
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ttggtacaag	tcgcagtgcc	cagtagacaa	gatgttgagg	agtatcagaa	tttgagggcg	360
gtcgtgaatg	aattgggtggg	gcgcactaac	ggtaaattcg	gtgggtgctc	agcagccgtc	420
gttctatctt	gggcatcaat	atctgacctg	ggagctatag	gaacggttga	atztatgccc	480
attcatttcc	tgcacaagtc	agtcaacttc	gacgagctga	ttgctctgta	tgtgtttct	540
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agtctcaacg	gcagtataat	catcaatcct	tggaaatcgg	aagagttagc	cgggtgcttac	720
caagaggctg	tcaatgctga	tgacgagcag	agggccctca	acttctccaa	actggacaag	780
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<210> 10723

<211> 405

<212> DNA

<213> A.fumigatus

<220>
 <221> unsure
 <222> (333)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 atgcagcccc tccgagcctg catcccccg tcaacaatca ccaactcctc aatccaagcg 120
 tcgtccctcc agtcaacacg gtcaagcaac ttctgcagac gcaccgcttc aaccacagcc 180
 ccagtcgcca aacaaccaca acagacagcc cccgaactca caccctcgtc gaccatcgca 240
 ccccttccc tgcgcaagta tccctacacc ctcaaaattg gcaccgtcgt ctccgtcggc 300
 cgcattggagc gcaccgtccg cgtcagccac cgnatataaa cctgggaccc gtaccttcgc 360
 aagtcctacc ccaagatcac gactacctt gtcgaggacc cccgc 405

<210> 10724
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 10724
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 agctacctgc tgtcaacgcc cctgcagcgt cgctgtgaca ttgtcgatcg cctcgattat 120
 cgctccggtg gtgatcgagc atgtcgtttc ctgcagatac ctaattacgg gaaccttttt 180
 gcgcttgcaa atcgatcgac ctga 204

<210> 10725
 <211> 885
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (179)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10725
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 aagccgaatg gccacgccgc ggatgcgggg aactcgcaag gccatttact gacgactctt 180
 atatcttcca atgccaaagc caaggcgcaa gctctgcgct ctaagttaaa ctttcgcgcc 240
 tctcataaag atcctcagat gaaacgcaag tctctggcta ccgaggccga gctggccaac 300
 gcatttagag acaaattccg ctcgaaagtc tcgaccatgg ctctgcaac aacgcaaattc 360
 gatcgcaagg caagaaagtc tatgcctgca aagctcaacg gtgtgaccga caagaaagag 420
 actgtccatc ctaagtcgtc tgccaaacta tccgcttctc gcccttccac tccgcttcga 480
 attgatcgta aaaccaagtc aacatctcaa gccagcgtca aggcgaccaa gtctgccaac 540
 aaggtggctc aagttacatc agccaaagct gctactcccg ttgcccccaa gactgaaaag 600
 gctgaaacag ccgactcaac aactcccgcc gctcaggcta aaacaaattc acgggactct 660
 actgccagat cccgtcgtcg tgatctcaag tccaagaccg ggacggatcg cagccttggg 720
 gatcatatcc aagagtcgtc gactaagcac aatcccaaac ctctgtgcca aatttacgag 780
 actccatccc agcctccctc tgcccagat actaccctcg aagcagctca acttctttct 840
 caacaacata aacacgtctt cacgacgggg ctggaagata cgcatt 885

<210> 10726
 <211> 843
 <212> DNA
 <213> A.fumigatus

<400> 10726

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aaotttttcgc	cgccgcgaca	gtctactccg	gcgtccccgc	cggctgtttc	tactcctcct	300
ccaaccaagt	caacgcctgg	aacagcagct	gcgcccaggg	caacgtcatc	agcaccaccg	360
aggtctgggg	cggatatcgcc	aaagcaatgt	acccggggta	taccggccca	cgtccccgca	420
tgcagatcta	ccacggcagc	gtggatacca	ctctctaccc	gcagaattac	tacgaaacct	480
gcaagcagtg	ggcgggtgtc	ttcgggtaca	actataactc	gccgcagtcg	acccagagca	540
acacccccgca	ggcgaaatac	cagaatacca	tctggggccc	gaatctgcag	ggcatatttg	600
caacggggcgt	cgacatacag	gttcctattc	atggggagca	ggacatggag	tggtttgggt	660
ttaccggggg	ttcgtcgtag	acgtcgacga	cgattactac	tacaacgcct	ccgacgacga	720
gcacgacgac	atcgtcgggg	gggtcgtcga	ccagcactgg	tgttgacag	cactggggtc	780
aatgtggcgg	caatgggtgg	acggggccga	cggcgtgtgc	gagcgggtat	acctgcaccg	840
tga						843

<210> 10727

<211> 663

<212> DNA

<213> A.fumigatus

<400> 10727

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gtcatctacc	cccagagtcc	ctatagcggg	acctgctggg	aggtcagctc	ccaatccgcc	180
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ccccgcgggc	tgtttctact	cctcctccaa	ccaagtcaac	gcctggaaca	gcagctgcgc	480
ccagggaac	gtcatcagca	ccccagaggt	ctggggcggt	atcgccaaag	caatgtacc	540
gggggtatacc	ggcccacgtc	cccgcattgca	gatctaccac	ggcagcgtgg	ataccactct	600
ctaccgcgag	aattactacg	aaacctgcaa	gcagtgggcg	ggtgtcttcg	ggtacaacta	660
taa						663

<210> 10728

<211> 366

<212> DNA

<213> A.fumigatus

<400> 10728

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gctctctctg	ttttcgttgc	actcttctct	ttcctggcac	tatcatccgc	ctctccaggg	180
caagatgtgg	ccaagcgagt	caccagcgga	tcgtctcagc	aagtgaccaa	cttcggatct	240
aacccctcgg	gcacgctcat	gtacatatat	gtccctaaca	acctagccac	taagcctgga	300
attgtcgttg	ctattcatta	ctgtaggtgc	agcacgagtc	atgcaaccag	gtgcgaaagt	360
cgtctga						366

<210> 10729

<211> 477

<212> DNA

<213> A.fumigatus

<400> 10729

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tactccggcg	tccccgccgg	ctgtttctac	tcctcctcca	accaagtcaa	cgcttggaa	120
agcagctgcg	cccagggcaa	cgtcctcagc	accccagagg	tctggggcgg	tatcgccaaa	180
gcaatgtacc	cggggtatac	cgggccacgt	ccccgcatgc	agatctacca	cggcagcgtg	240
gataccactc	tctaccgcga	gaattactac	gaaacctgca	agcagtgggc	gggtgtcttc	300
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aataccatct	ggggcccgaa	tctgcagggc	atatttgcaa	cgggcgtcgg	acatacggtt	420
cctattcatg	gggagcagga	catggagtgg	tttgggttta	ccgggggttc	gtcgtag	477

<210> 10730

<211> 192

<212> DNA

<213> A.fumigatus

<400> 10730

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gggtcgtcga	ccagcactgg	tgttgagag	caactggggc	aatgtggcgg	caatgggtgg	120
acggggccga	cggtgtgtgc	gagcgggtat	acctgcaccg	tgataaatga	gtggtattcc	180
cagtgtttgt	ag					192

<210> 10731

<211> 327

<212> DNA

<213> A.fumigatus

<400> 10731

cttgatctgc	tccattctct	agacttctat	acgtggactc	gggatgcggc	gttgactttc	60
aaaggacttg	tcgatatctt	cattgggggc	gatacattta	tcgtcgtaaa	tctcgacggg	120
cttgaaacct	acatccagga	ctacatctct	tcccaggcag	ttttgcagaa	cgtgtccaac	180
ccatccggaa	gactttctga	cggtctctga	ctcgccgagc	ccaagtctga	ggtcaatttc	240
aaccataact	ccggcggttg	gggccgtccc	cagcgcgatg	gtcctgcctt	tcgcgccatt	300
accatgttga	cctatattcg	tcactag				327

<210> 10732

<211> 189

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (32), (62)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10732

ctctggctga	gagacggcct	agaatcagaa	gntgtggcat	tgaaagagtc	taactctttt	60
tntgagttct	ttttaaacat	gtacctgaat	attaaatcac	aaaattatgc	aagtttaaat	120
catttcctga	tgcatttgga	ctttagaggt	ttgatatgca	tgtcttttga	tatgtacagt	180
ctcagtttag						189

<210> 10733

<211> 1047

<212> DNA

<213> A.fumigatus

<400> 10733

agaccaacta	gcccagttc	atgccttaca	caatatgtta	cagaatacat	actctcagtt	60
cagcaggcag	aggatcattt	tgcagctttt	atctctgttg	cttatatggc	tattgatgtg	120
accactcttg	ggcctgggtt	caccacggg	cctggccttg	gctttccctc	gcggactggt	180
ctgogccag	aagatttttg	cttaccctcg	gcacctactc	taccatacag	acccggaaac	240
gatttcatta	atgtgcttaa	caaactacgt	tgcgaagtag	gcgttggcgt	atccccagca	300
aaattatata	ttgccatcaa	gagtttaagc	gcaagtgata	cggcgacgct	tacaagccaa	360
tttctcagcc	tgaaacccct	ggctgagcac	gaacaaggag	agtttaccac	gaaagtcagt	420
caggcgctct	catcggagga	aggtagaacc	acccttgagg	acgctgctct	tgctgctgcc	480
agagcttgca	aagatattaa	gcaccagttt	attgaattac	ggcttgcat	aaaggccatt	540
ggcgatgcgc	agccaggcaa	tcaatcggca	attcaagggt	tacaggaaag	gcttcaaaaag	600
tgtgagaaag	tacgtacaca	tttccagaat	actccgagca	cgactaaata	taaccagaaa	660
tatgatggag	tcacgaaaa	gtgcaaagaa	ttatccatgc	aatcagcgt	ctactgcgag	720
cagtttcagg	gctcgttaat	gccatatgtg	caagcccaa	tcgaaacaaa	tgaagaggaa	780
gattttatca	acaaatacat	caaagtaggt	gtacgctgcg	atattggact	gccagagcta	840
atattttata	agaaaatgga	ggaattcggc	gatttgtcta	agaaaatcga	ggaagaatta	900
aatagcctcc	acagtaactt	cggatatctg	atgactgagt	tcttgaactt	caccaacaac	960
caacaaccgg	atttggcggg	gagtatccag	caaatcgaaa	gcaaaattca	agaactaaat	1020
aagaggcttt	gcggtttgaa	aagttag				1047

<210> 10734

<211> 186

<212> DNA

<213> A.fumigatus

<400> 10734

agtctccatg	cctaccgtcc	ttcaagtact	tttgccttcta	gcacatttca	ctgttacggg	60
gcagagattc	aattttacaat	ggagaaagtg	caatggctgg	atttcaagac	gaccggtaat	120
ctagatcaga	tgatctctgt	tgctccttga	catatcgga	aagaaattct	ctgggtccgt	180
ggctag						186

<210> 10735

<211> 573

<212> DNA

<213> A.fumigatus

<400> 10735

aaacacctca	gctccggtag	cgatcccacc	gccgggggatg	ccattccgga	tgaatgcac	60
atagtgcgtt	cgtccatcaa	atgggatgta	ggtgaagttc	aatccgtgcg	cctcatagaa	120
ctcgggtgtg	agggtcccga	gctgttccga	tccaaccggg	ttgaccggt	ttgtggcgtt	180
gtagacctgg	taggcgaagt	tgggcgaggc	cagcatgtca	tagtccataa	acagccggat	240
cttcaggttc	tcggcctcgg	acagcaccga	gacatagtag	tccgatccga	gcagtccttc	300
ttcctccccc	gccaccagg	ccagtgcac	acagttgttg	acccggtaat	gaggcagcaa	360
agaagcgatc	tccagcaagg	tcaaggaacc	cgatccatcg	tcgttgatgc	caggtccttc	420
catcacgctg	tcgctgtgtg	caccggccat	cacgcaattg	tcggcatctc	cttctttggg	480
ttgcgcaatg	atattgggtg	tggtgatggg	ctccaccgtg	gcattccatgt	aggcgatcgc	540
atcaaccttt	cggccgcgc	tgagttgttc	tag			573

<210> 10736

<211> 1392

<212> DNA

<213> A.fumigatus

<400> 10736

caattgcaca	gcacaccact	actgatgtcc	agaatggtag	catcgacaat	acacctttta	60
tgaccgcgtt	ttgctctcac	agcagaagg	gcggtctgc	agctccctct	cttcggtgcc	120
tcggaacccc	aaattccggt	ggctgggaag	gaattgatca	gtcctccgc	gctgcaaagc	180

cagatcgatg	toggcaagct	cctcaacaga	gccaagcacc	tgtatagcat	cgcagagctt	240
gggtctgacg	agtataatca	tcccacgcgc	gtgattggca	gtaaagggtc	gtttggagct	300
gtttggcgtc	acgtatcaca	agggagacta	actcacgtga	cctcagggca	tctggggaca	360
ctggactaca	tctatgcgac	tctgacggaa	tctgacgact	actacaccat	ctccaaccag	420
accttccctg	cagttaccgg	caatgtgatg	gaatcacgct	tgggtgctcg	ccacaccgtg	480
ccggagtctg	ctcttcccat	gggcttgaca	ccccccacca	agaaccacga	accggtgtac	540
ggaccactgg	tgtttgtctc	acgcctgggc	tgtgaggcag	cagactaccc	cccagagctc	600
cagggtgcca	ttgcattcat	cagccgaggc	agctgtccct	ttggcaccac	gtccgccttg	660
gccggaaagg	ccggagccgt	ggctgcggtg	atcttcaaca	acgaaaaagg	cggcctcggg	720
ggcactctgg	gcactccgtc	tcccagaccac	gtcgtctacct	ttggcctttc	cgacagtgtat	780
gcggcgccct	tcttagaaca	actcaggcgc	ggccgaaagg	ttgatgcgat	cgcttacatg	840
gatgccacgg	tggagaccat	caccaccacc	aatatcattg	cgcaaaccac	agaaggagat	900
gccgacaatt	gcgtgatggc	cgggtgcacac	agcgacagcg	tgatggaagg	acctggcatc	960
aacgacgatg	gatcgggttc	cttgaccttg	ctggagatcg	cttctttgct	gcctcattac	1020
cgggtcaaca	actgtgtgcg	actggcctgg	tgggcggggg	aggaagaagg	actgctcgga	1080
tggactact	atgtctcggt	gctgtccgag	gccgagaacc	tgaagatccg	gctgtttatg	1140
gactatgaca	tgttgccctc	gcccacttcc	gcctaccagg	tctacaacgc	cacaaacgcg	1200
gtcaaccggg	ttggatcgga	acagctgcgg	gacctctaca	ccgagttcta	tgaggcgcac	1260
ggattgaact	tcacctacat	cccatttgat	ggacgaagcg	actatgatgc	attcatccgg	1320
aatggcatcc	ccggcggtgg	gatcgctacc	ggagctgagg	tgttttcacc	aggcggctcg	1380
gatcaacgta	ca					1392

<210> 10737

<211> 576

<212> DNA

<213> A.fumigatus

<400> 10737

aatgagcatg	tggcgcgcac	aatggcctac	gtcttccata	tgcacaacgt	ggaagtcccg	60
tgcgtggaat	tccggcaaat	ctccgaatcc	gccagcctgg	cggaggtcga	acacgacccc	120
gacgacacaa	tctggctgaa	acaagtctac	ggcctggaag	acggagaacc	tattgtccaa	180
actgtcggca	ggatcagaac	gcccgtcggc	cgagttatca	ttgtgccggc	aaccatccag	240
caccgtgtga	accactgcga	gttgattgac	aaaaccaggc	ctgggtccgt	taagggtctc	300
tccctattcc	tagtcgatcc	caacattcgt	atcatttcga	cggccaatgt	cccgcaccag	360
agactggatt	ggtcctttga	cgatatcgat	ccccagggaac	tgggaagggt	ggatcgaatg	420
ctgcaacagc	tcaccgttcg	gttctcggaa	aggaaggaca	gtctaccaat	ctctctgaac	480
gaggctagga	aactccatga	cgaagttttt	tgggagaggt	ttcagttcac	caagtatgag	540
caggttgcct	ttgaatcaaa	cgtagtcatt	ctttga			576

<210> 10738

<211> 909

<212> DNA

<213> A.fumigatus

<400> 10738

cgcggatctt	ggctccctgt	tgagaacact	atgcccgatc	acgtcccatc	gggcttgaaa	60
ttctataaacc	cggggagtgga	ctatgtgcaa	cgcgaccttg	ccccgattgc	attgtttcct	120
cttgtgtatg	ggcggactcg	tattctcaag	gatcgaatca	ttggactgga	tgatgcattg	180
gacagcatgg	gccaaagggga	ggtgatccct	gtccctccgg	aaacaatcac	gcgcgaagac	240
atagcatgga	gagtcgctgc	tcacgctgac	attgaggcaa	agcctttcag	tcgcagggtc	300
cagattctcc	catttgacct	cgagttgaag	gacgacggca	ggtggcacat	tatcagttat	360
atcaacaacc	tacatccagt	gcgtcaccgc	aacatataca	agctgatcga	ggacgtgttc	420
aacatgacaa	tccctcaatg	gaatgcgtcc	ctgactccgc	tcaaggatat	gcttcaactcc	480
cgtgcacggc	ttgagtacaa	aaaggcccag	taccatccta	ttgcaaaaga	ggtcgaggaa	540
caatcgctc	agccaaaacc	cagcgaggcg	gaagtagatt	atcaagatag	acttaattca	600
tggaggatgg	agcactggga	agccgtccaa	cccgatgctg	ggagattcat	tccctgggct	660

gtaccaccct	ggatgatgtg	ctttctgcc	gcggatcttc	cgaccccggt	togaattgag	720
caggggggtg	aactgaacag	agattatggg	aaacgggggc	tacaaatgat	ttgtagaatc	780
acctgttacg	atctgacgcc	tgaacatccg	tatactgaga	cgggctatca	ctgcgaaggg	840
cagatgggtga	gattctttcg	caattgcaca	tccagtgcct	ctcttttact	gatcgtcacc	900
gtagaatga						909

<210> 10739

<211> 267

<212> DNA

<213> A.fumigatus

<400> 10739

gttatcttta	tttacttcc	acagatcgcc	gaagtccgta	attacttcca	aacgtgcaag	60
aagcagtacg	aggagcaagc	cgaaaaat	aatacatcca	agctgccgag	cgatgtcccg	120
ggctccacgc	tgctccttgg	ggccatgaag	cctgcgagcc	gcgcagagat	tatgtcttcc	180
tttccctcga	gatatacatc	agatatgctt	attgctcgct	atttcaatag	ctatgatcca	240
gcgactcggtg	agtaccgaca	gaactag				267

<210> 10740

<211> 825

<212> DNA

<213> A.fumigatus

<400> 10740

ccttctccgc	agtataacaa	acattgggaa	gaccccttgc	aatcctgcat	tgtctgggtg	60
ggtatgctgt	tgcctatgat	gcgacttgct	atgctgtcat	ataaccatga	aggagatgag	120
ccacccgagt	ttcgagggaa	atccctggat	atggctggaa	gttttcgaaa	tctggctcgct	180
caatgtccga	ctctggccga	ttataccaaa	ccttatccct	acttaatcga	gacattcatc	240
ttccatcttc	atggcgactt	tcgccaaacg	aaggaagcag	atatttcggt	gtgggtgctc	300
gtcgggtgctg	tcgcaaggct	agcgatgaga	atgggatacc	accgggactc	gaaagttttc	360
cccaacatta	ccccctttca	aggggagatg	cgccgacgcg	tatggacttt	cgtgcggcag	420
tcggacttgc	tcttttcatt	tcagggttggg	cttcccagca	tgattcgcac	tgtggatagt	480
gatacggagc	tcccgcggaa	tctatatgat	gatgatttgc	acgaaaactg	caaggaactt	540
cctccctcac	gaccggcgaa	tgaaccgacc	cctatctctt	acctcattgc	caaagcacgt	600
ctggcgtagc	tatttggtcg	cgttaccgag	ctcacctcga	gtgtgcaaag	tgaatcgtag	660
gacaaggtga	tggagtggga	tgctgagctt	cgccgagccc	gggacctgat	tccggagcat	720
cttgtcattc	gtccttttga	ggagtgtcag	ttggaccgct	ccaatctgat	tatgtcgcgc	780
tttggtgtac	gtcaatcact	tgccagtcat	aagcgcgagt	tgtag		825

<210> 10741

<211> 402

<212> DNA

<213> A.fumigatus

<400> 10741

tatgcagctg	aacttggatt	gggtacgctt	gccccttttt	tcatcccttt	gacaccactg	60
ggcattacta	acaccggcga	acaggattct	tgggacactt	atattcagag	ttcgaatctc	120
gacataccta	accaatgggt	gccaacgttc	gatggacagc	agcagcaacc	atcaccacaa	180
ccatcgcttc	acccatcggt	acaagctcag	gggtccttgt	catctacgca	attatcttcc	240
atgcagcaag	gcaacactgt	agataatatg	cggtcgttgc	ctcgattttc	taatgtcttc	300
tcttcagacc	cggtgaagta	cgagggcctg	ggtattaacg	ggccttacga	caacaactct	360
cctcaaaaaa	gcaataacgc	ttcaggcgag	ggtaccttat	aa		402

<210> 10742

<211> 375

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (145)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10742

gcgtcaagtt	ccccggacga	tatgcagaac	agaatagaca	gactcgagag	cttgggtactg	60
tccctgatga	ccaacggatc	acagtcgcga	ggtccagcag	cggcaatggc	agcaatttcc	120
ggaacgagca	gtagtggcgg	ctccttcaat	caaaccacg	acatcgacct	ggacgaggag	180
acttcaaagt	ctccggagga	gagcgatacg	gagcaagtta	caaagtcatt	tggtatcatg	240
aaagtcgaca	acaataaatc	atattatata	agcgatgcgc	actgggcttc	cctgctcaac	300
gatgtgagtc	agcacttgac	catgcgctta	atgagttatc	tttattttaca	cttcacagat	360
cgccgaagtc	cgtaa					375

<210> 10743

<211> 987

<212> DNA

<213> A.fumigatus

<400> 10743

tcagttgttg	ccccgcaatt	tctacaaat	ttctccatct	tacgattacg	tgcaataaca	60
gagccaagat	cgatattagg	atcagcaaac	cccctcagaa	tggaacaaaca	gcttcgggtc	120
agtctgacga	cgactctcac	tctcctggag	caactgcaag	ctgctctttc	agctcccgcc	180
gaagacccca	agcccgctga	actttctgga	aaggatgccc	ttcccctcct	ttccacgtca	240
gctaccgcgt	tgaaatccca	ggtcacaaag	ctatccctct	tgacgataac	ttctccattc	300
actcactcgg	cggttggcac	cgttctgtcg	gcattaaata	gttccgtact	tccgtctctc	360
gtgacggggg	ctctccttgt	cactcctgcc	gaccatacaa	aggctttcca	cgcgagggtta	420
cacgctttga	cgaagactac	gttgagggaa	ttgacttctt	tggttaaccga	ggttcaagct	480
gttgccgaaa	aggcggacaa	ggcaaaggaa	ggtcaaagga	aaggagggaa	acttttgacg	540
gcagagaagg	atcctgtgac	agtcgcaact	gggcgtgtct	gggattcgtg	cgacgcgttg	600
attgatgttg	cggctaaagg	ggtagttgga	ttcgtgatac	ggcgtgtgga	agagtggcgg	660
gatctggtac	gtgatgcagt	ggaggagatt	gaggagtggg	atcccgaaga	ggacggggac	720
gaattcttcg	atgatcttct	gagtgatgat	ggcgagaagg	atactcagga	tgaggaagac	780
gaggataccg	aagaaagcag	cgctacgcta	catgcgcaga	agaaatcgac	cctccggatt	840
ttgaagccta	ttgcacagat	ataccctgcc	attgtcgcga	atcggtgtaa	gggcgctggc	900
gatgtgccgt	gctcatctcc	ttctgggatt	ggtagattgc	gaacgcttga	tgacgaactt	960
acaacacatc	ccggagcata	tagatga				987

<210> 10744

<211> 324

<212> DNA

<213> A.fumigatus

<400> 10744

agggcgctgg	cgatgtgccg	tgctcatctc	cttctgggat	tggtagattg	cgaacgcttg	60
atgacgaact	tacaacacat	cccggagcat	atagatgaag	tcgcggggagc	cctgtacgag	120
gaggatttgg	gtaaatgcgc	tcaatatctc	gacaaggcta	aacactgtgc	tatgaacgct	180
gttgactctg	ttaaaccgac	gtgggatacg	gtggacgcta	ccgacgggtca	gcagaaggaa	240
gataagttcg	caatatggtc	gaaaacatgg	atgaatgtct	tggtatgaagt	cagcaaatct	300
gtggaggcgg	acaatcaaga	atga				324

<210> 10745

<211> 504

<212> DNA

<213> A.fumigatus

<400> 10745

gcacgaccac	agttgccgat	aatttccaat	atggtagcaa	cattttcacc	gcacgcgat	60
gcgggcggca	cactgcactt	gccctcacac	tcagggatcc	atcacgtcga	tcagggtcc	120
gcaatcagac	agttgcgccg	gtcattatcg	cgatcacctt	cgaagagctc	caatttcacg	180
attctcgcgt	ctcgaagtca	ttcgccatcg	aaaagcacgc	catttatctc	gtccctctc	240
tcaccatcgc	gacgatccac	acagaacaac	tttgtactct	tcccagctc	atcccatcca	300
tctccgttcg	cgcttccgta	ccaaaccagc	gccaaaatca	caaggcctgt	cgtagcgacg	360
gcgagaacat	caccgcgaag	tcccgtaag	cgcgccctca	atatctcgac	agaccaaggg	420
aatgccaagc	ctgctcagcc	ggctccaatc	atggcattat	cgctgtcgg	cgcgagagaac	480
acacctgcgg	cgccagcgc	ttga				504

<210> 10746

<211> 183

<212> DNA

<213> A.fumigatus

<400> 10746

actgtgtttc	ccgaactaat	cgatcacgca	ggcaaatcgt	ctcttaccgt	ccgatttgtt	60
gaacatcatt	ttgtcgagag	ctattatcct	accattgaga	atacgttcag	tcgcatcatc	120
aagtacaacg	gtcaggattt	cgccacagag	atcgttgata	cagctggtca	agtgagcata	180
tag						183

<210> 10747

<211> 249

<212> DNA

<213> A.fumigatus

<400> 10747

atatcttcat	tcattatttt	ttctactgga	ttatttcttg	ttatccctct	tatcatagac	60
ttaaagatgc	ttgatcttgc	cgactttgtc	tccgatcgcg	gtgggaatcc	gaataagatc	120
aaggagagcc	agcggaagcg	atttgcacca	gaaaatgtgg	tcgacgaagt	gattgctctc	180
tatgaggagg	ctcgtcgagg	tatacatatc	tctgtattcg	accacgggct	ggaaagatcc	240
cgcgtctccg						249

<210> 10748

<211> 294

<212> DNA

<213> A.fumigatus

<400> 10748

gcgttcggca	ggttgccagt	atggctttat	ttctctatgc	taattgaaga	gcagggagcg	60
gatcacgttc	ctctcgtggt	tgtaggaaac	aagagcgatc	tcaaatacga	acagcgtcag	120
gtttcgcctg	acgagggtag	gcaattgggc	gaagagtttc	agtgtgcctt	cactgaggct	180
agtgtcctgc	tcgactacaa	cgtagacaaa	gcgtttgatt	tgatgattgg	cgagattgag	240
aagtagcaaaa	acccgtccca	accagcaggc	ggcagcaagt	gcataactaa	gtag	294

<210> 10749

<211> 237

<212> DNA

<213> A.fumigatus

<400> 10749

tcagttctat	ttgtttctcaa	gctgatggga	gactcgatgc	caacagattc	aggcagcctc	60
tggtccttgt	ctatcgatgg	tgcaaacagc	acgaacaagc	ctaagtcccg	tgacctcggg	120

tccagagtgc gatgcacga cgtctcttcc ccagcctccc aacccatgtg tcagggactc 180
catgttacat tggactatac ctacatacaa cctgggggttg tactggagcc tagttaa 237

<210> 10750
<211> 213
<212> DNA
<213> A.fumigatus

<400> 10750
agccatcctt cagctctgct ggcacagggt gcaagaaagt tggccagagt ccatccgttg 60
caattcaacg tacaaaaagt gtataacaag acaggtaaga agttgaaagt gaacccagat 120
cgagacacgg aaacccaat cgctatgcta atatatcaaa tcaatgtgtg caagagtgcc 180
aggcacttag ataccagagc acaaggaaca tga 213

<210> 10751
<211> 621
<212> DNA
<213> A.fumigatus

<400> 10751
gagaggttcc ttggacatgg gcaaccctgc gtcattccaag gaaattgggt cgcgcggggc 60
gcgaaagtat cacggtcgat cgggttgaac cttaaactgg aggaggagcg tcggaaagac 120
cacgtccggc gcacatcggg ggagtccaag aaggacaagg aatctggcct gttttcatcg 180
attttcggcg gtgggaggaa gaagaacagt ggagatgggt atcacaaaaa gaactcgtcg 240
cggacattgt cccctgaccc acccgtcgct gagctacggc cagatgtcga ttatccgtgg 300
acaagattct cgatcctcga agagcgagcc atctaccgca tggctcacat caaattggcc 360
aatccccgcc gagcactcta ttctcagggt ctgctcagca actttatgta ctcttatttg 420
gccaagggtc agcagatgca tcctcacatg ttgatggcgt cgtcggcatc gcaaaaacag 480
caaacttcaa gggatcagaa cgatgagtat tcacaatacc agaaatacca agaggtaagc 540
agactttcgg ttttgtaggt ggtgttgggc gcagttattc taaccagaa tacagtctca 600
gcaggagcag tacagcgata g 621

<210> 10752
<211> 183
<212> DNA
<213> A.fumigatus

<400> 10752
ctcgggaaag tggcagtatg ttacctgctg gcctgtcctc agggattcca ttgccgtcc 60
tcggattttc tttttatggc gcatttcgtc tttgacaccc tggcggcatg gcacttgaag 120
tgccattattg tcatgttctt tgtgctctgg tatctaagtg cctggcactc ttgcacacat 180
tga 183

<210> 10753
<211> 219
<212> DNA
<213> A.fumigatus

<400> 10753
cccagaatac agtctcagca ggagcagtac agcgatagtt cctacgacga tcctcagatg 60
tacgagtacg gcgacgacca gcgcgataat taccggccac attcaagggg tagtaagtac 120
gaaaacggga atgtatatgg tcctggacat cgtcaatatg ggcatcaca gtttggcgat 180
gacgtccagc tggacgacga tgatgacgat atgtggtga 219

<210> 10754
<211> 195

<212> DNA
<213> A.fumigatus

<400> 10754
agcctttacc ttttcctat gttctggtct ccttccgtca atttgtccct gcctatctat 60
cttgtctgct gcgcgaagag cgcaggatcc ctctatctga ctcgaggaaag tggcagtatg 120
ttacctgctg gcctgtcttc agggattcca ttgcccgctc tcggattttc tttttatggc 180
gcatttcgtc tttga 195

<210> 10755
<211> 210
<212> DNA
<213> A.fumigatus

<400> 10755
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aggactctct taaaaagttg gatgaacagt cccagggtc tctcaaagag ttgatgaat 120
aatgctatta ctactctcaa tgccaaagta aacacagtcc tgtttcagcg tacctactta 180
gatgagatca ttgccttctt ttcctgtag 210

<210> 10756
<211> 342
<212> DNA
<213> A.fumigatus

<400> 10756
ttgattctgg ccctggcgca tggcacattc atcttcgccc atgccccggt ttacggatgg 60
tacctggcct ccagcgccat cggactcatc atatcctggt ctctccacaa cgtcgttgcg 120
tggatgaaga accggccgtt catgggtcgc aagctgtctc ttttctacat cggcacgac 180
atcttgggtc agccatactg ggtggcgag atctacgcca actttgcta ctttaacgac 240
atcaaccgta cggtttacga gaagatccgc ccattgggagg cattgttccg gtatgatgct 300
gccctgatgg tccacttgggt cttcattgcc gaggggtgtt ga 342

<210> 10757
<211> 183
<212> DNA
<213> A.fumigatus

<400> 10757
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tgcatgagt gtgcctccg caggagacga tgtgaccgga tccggcccaa gtgcacgtcc 120
tgcgtaacac aggggggtggc ttgtgtgtac aggcaagcca ctgagtctcc accatcacag 180
tag 183

<210> 10758
<211> 198
<212> DNA
<213> A.fumigatus

<400> 10758
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aatacttgct cttccattcc ttctatgacc attctttact tggctgtgtt tttcctgtcc 120
ctgggcgaca agccatctat ctccgacgt acaataatgt ttaagcgagc aagcagtagg 180
caaaagattg atagatga 198

<210> 10759

<211> 192
 <212> DNA
 <213> A.fumigatus

<400> 10759
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 attgataatg aagcacaata tcctacgtgg gatatatata tcaagttgag gaccgcggga 120
 tcctatgatt tgtacaaata tcccgtgac atctgtcat ccacagagtt tgacactctg 180
 aagttgtctt ga 192

<210> 10760
 <211> 951
 <212> DNA
 <213> A.fumigatus

<400> 10760
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 acatggtctc gacacttacc ggactctctc ttctccctta gcagccagcg attatcttca 180
 tcctacctcc cactgatttc gcgaaggact tttcatgcaa cgtcattggt cagtctcgat 240
 gctccacgca tctcctaccg tgtggcgcgc tcgtcgtctc ccaagaatcg ccgtttccac 300
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 gaagaaattg acgcccgcac cagacgcaag aggaggccag atagtgggga agatgccttc 420
 tttgtgagca gaggttggaag tcaggactcc ggcgccatcg ctttcgcagt cgcggacgga 480
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 ggcttcaaca caccatatca gctgagcatc atcccccca gaatgcgcgc tcaggcttcc 840
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<210> 10761
 <211> 336
 <212> DNA
 <213> A.fumigatus

<400> 10761
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 tccaactctg ctcacaaaga aggcactctc cccactatct ggctcctct tgcgtctggt 180
 ggcggcgtca atttcttctg tgaccacgcc gatagcatcg tgaagctcgg gctggaaatt 240
 gtggaaattg gtgggcgggt ggaaacggcg attcttggga gacgacgagg cggccacacg 300
 gtaggagatg cgtggagcat cgagactgaa caatga 336

<210> 10762
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 10762
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 agtgcccttt ttttcgcctc aacctcag caagtgactg gcgaccggga cggactgact 120
 aaacgacgac tcccgctgg acggtcgtcg gattttcttt tcgattcatt tcttttcctc 180
 ccctcacttg ggcggtttt cttgctttta ttatttttt ag 222

<210> 10763
 <211> 864
 <212> DNA
 <213> A.fumigatus

<400> 10763
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 gtccttctga gcgatgagga tctccatgtc ctcgatcctg cttttctttc caagcacaca 180
 gacaccagca tcgataataa taatagaccc ccgtacgacc agcgcccgca gctaaatcca 240
 gttccacca accagggcgc ttcaaattct cattctgtct gacctcgcg ctcatccatc 300
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 gtcgaggagg ctggtgcggc tgttgcgcca ggtagaccga tcaataccta ctctcctggg 720
 tactctgagc agcagggcga gcctctgatg ttcaacgatg atgatgtctt gcaacagcgg 780
 tccccgaaa tgaagatgtc tatggttgca gatgcacctt ggagcacatc ggggtggtgat 840
 tttgtggatt ttgttcaatt gtga 864

<210> 10764
 <211> 231
 <212> DNA
 <213> A.fumigatus

<400> 10764
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 tggagtgtga tcctggcgtg catcgaatat gtttatttaa agttgaactc tcgtgtggag 120
 actacactgt ataagcagaa atttatggca gtgcaaagag aagctgctag tgtctgctat 180
 tctagacctc ctagtcagca gagcacatat gtgtcacggc gaagtgaatg a 231

<210> 10765
 <211> 876
 <212> DNA
 <213> A.fumigatus

<400> 10765
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 gaagaagtca aagacgcagg acgctacgtc ccgatagcga ttgcgtgggg atatttttagc 180
 aacgggggtga tggccattgt ggtggtcatt tccttccttt ttgccattcc ctccgtcgaa 240
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 gtcgcggggg tcaatgggct gacggcaatt atcctcattc ccgtcatctt cagcaacatc 360
 ctcttcaatg cttccacatc ccggcagacc ttgccttttg cccgagataa aggactgccc 420
 ttgcgccgct ggatcgccaa agtcgacccc agacgcaaaa taccgggtgaa tgcgatcgct 480
 ctatcgtgca taatcagctg cctcctctct ctcatcaaca tcggctcgct aaccgccttc 540
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 ggccgatggg ggttgaccgt taatatcgtc ggtttgctgt actgcatgtt cgcactgttc 720
 tgggcgttgt ggcgagtg gacccagtc acagtggaca attttaactg gagcgtggta 780
 atctttgggg ttgtgttcgt cctcagtttg gtcatgtatg ccgtcaaggg acggagggag 840
 taccatgggc cagtgggtgat cgtccggaga gattag 876

<210> 10766
 <211> 501
 <212> DNA
 <213> A.fumigatus

<400> 10766
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 ggctctgcat cgggctcttt cctgaccggt acaattatcc aagggtcat cagtgttcgc 180
 tatcccgact accaaccgga acggtggcaa ggaacctgtg tcgtttttgc catgattgtg 240
 gtcattctacg tgttcaacgt ctacgccgcg gacatgatgc cgttgttcaa taacctgctg 300
 atgacctgc atatcctgtc ctggaccgtc gtcgtgattg tactgtgggc catggctccg 360
 caccaatccg ccaaggccgt gttcacagag tggacgaacg gtggaggctg gtctagtatc 420
 gggctgagcg ccttgatcgg gcagatttct gccatctatg cttcgctgag tatgttgatg 480
 acacgttgcg aattgcgcta a 501

<210> 10767
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 10767
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 cgaatattga cctaccaccc gtacgtcagc atgcatcaag accaggatgc cggctcctat 120
 cggcctgtga tcatctacaa tcggggccaa atggagagag tcatgcggca atatcgtgaa 180
 tttgtccttc tctacacgga caactag 207

<210> 10768
 <211> 504
 <212> DNA
 <213> A.fumigatus

<400> 10768
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 gccagattct acgtctccat cttccccaac tccaagatca cagcaatcca gcgttacacc 120
 gaagctggaa aagtgtacca cgggcgagag gcaggcagcg ttatggttgt tgaattcgaa 180
 ttgaacggac agacttttac gggattgaat ggccggcccc agttcaaatt cacgggggcg 240
 atctccttcc aagtcgactg tgaggatcag gacgaggtcg accactactg gaaccacttg 300
 aaagacgggg gcgatgaaac gaaacagcaa tgcggatggg tgaccgataa gtttgggctt 360
 acgtggcaga ttatcccaag acggctgaag gagatgttga gtgattcgga tttggagcgg 420
 aaatcgcgcg tgacgaacga gatgatcaag atgaagaaat tggacgtcgg gcttcctgag 480
 aaggcttatg agggggcatt ataa 504

<210> 10769
 <211> 414
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (245)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10769
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 gatcaaagca ttaataagac atcatcgtat cttgacttgt cgactctgta cggggataat 120

caagatgagc	agaacatgat	ccgtacgttc	gaggatggca	agatcaagcc	cgactgtttc	180
gctgagccgc	gtctgcacat	cctgccagcg	gcttcgggag	tcattttgat	catgctgaac	240
agatntcaca	attatgtcgc	cgagcagctg	gccattatca	atgagaatgg	ccgattcaca	300
aagcccaaag	ctgagataat	tgaaccagtc	gaagccgggc	tggctgtgct	aaatatgaac	360
acgaactctt	ccaaactgca	cgccccatca	ctggcggcat	gtatatcaac	ataa	414

<210> 10770

<211> 600

<212> DNA

<213> A.fumigatus

<400> 10770

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ctggaaatca	accaagggtt	ctcgttctac	cgacttgctg	tgcgggcatt	tcccaagtgg	180
ttcaagtacg	actcaatcta	cgcccactat	cccatgacga	tccccagtga	gaatcgcgtc	240
attatgaaa	cgctgggccc	cgaagaggac	ttctcttggg	atcgccatc	gtatattccg	300
cagcgaataa	gtgtctttga	ctatgccaac	gttcgtcata	tccttcagga	tgcgtcgaat	360
ttccgggtga	tgtgggggtga	agcaaccgca	tacgtatttg	ggtctaaggg	ctgggacttt	420
atgctctcag	gcgacgcgcc	cactcatgca	aaccagcgca	atattatgtc	gcgtgcgctc	480
tatcgtggcc	agtggcacga	cgctgtcaag	cagttctacc	tcgacattac	ccaacagctt	540
ctcacagaaa	agtcatgcag	gataggaaac	gtaaaccagg	tggatatttc	gcgcgagtga	600

<210> 10771

<211> 864

<212> DNA

<213> A.fumigatus

<400> 10771

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cccatcactg	gcggcatgta	tatcaacata	acctgggttcg	actacgtgcg	cacaattatc	120
aacctcaacc	gtgacaacag	tactttggaat	ctggatcccc	gtacccatga	tgaccaggat	180
gaaattccca	ccgcacaggg	caaccagtgc	tcagtcgagt	tcaatcttgc	gtatcgatgg	240
cactcgacga	ttggccgccca	agatgaggcg	tggacgggaga	aaacttaccg	agagattggt	300
gggaagcccc	gacaggaagc	cactttgcag	gatcttatgg	acggcatgag	gaaatttaat	360
gcgaggatgg	acaaagacct	ttccaagcgg	acattcgcg	gtctgcagcg	ccagggagat	420
ggtactttta	gagatgtaga	cctggtggac	atattgactc	gcgccatcga	agaggtctcc	480
ggttcgttcg	ggcccaacaa	cgttccaaag	gtcttgagat	cagttgagat	tctgggtatc	540
cagcaggcac	gcaagtggaa	cattgggtca	ttgaatgagt	tccgcaagtt	ctttgacttg	600
aaaccctacg	aaagctttga	agaaatcaac	cccgaacctt	atgtcgcaga	tcagctgcgg	660
cacttgtag	agcaccocga	ctatgtggag	ctgtaccccg	ggatcggttc	agaggagccc	720
aaagaacct	tgggtccccg	ggtgggtatt	gctccaggat	acactgtctc	ccgcgcgggt	780
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<210> 10772

<211> 195

<212> DNA

<213> A.fumigatus

<400> 10772

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gtagcgatg	cattcgagg	gaatgtccaa	accagttacc	atgagctcaa	gacgccgtat	180
tccatctata	attag					195

<210> 10773
 <211> 348
 <212> DNA
 <213> A.fumigatus

<400> 10773
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 aaatgctgga agttccgcct tttccaggag attatggcca aggactatct cgataacttc 180
 ttccagtcac tcattcctaa ccagggggaac tctcaaataca ctggacgccg caataacccg 240
 ttgcgacccc atgtgggttg cagggtcacgc actgttgcat atatgaaagc gaccgtgatg 300
 aagtatatcc aaattcttat tgactatggg catcaatact tccgttaa 348

<210> 10774
 <211> 357
 <212> DNA
 <213> A.fumigatus

<400> 10774
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 ctaggtgtcc gtggttccca cctaccaat ccagggtgaca acgctcggca acttgctcga 180
 attgtcgtcg ccgctgttct tgcgggagag ctgagcttgt gctctgcact tgccgccggc 240
 caccttgtca gagcacacat ggcgcacaaac cgcagtgtcg ctacgacacg gacttctacc 300
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<210> 10775
 <211> 828
 <212> DNA
 <213> A.fumigatus

<400> 10775
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 ggcattgactc gtggcccttg tgcggtttc cctactcttg cagcgccggc ggctgctaag 240
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 gcgctccacg ttatggcgac tgagtgcggc tttgacgaca tggctaccat ttccgtttct 480
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 tccgtgggtg ctgaggccat cattcctggg gatgttgtcc ggagcgtgct caagagtgc 600
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 ggtcaggatc ctgcggcaaa atgtcgagag cagcagctgt atcccagca tgaaaaagtg 780
 agttgtcata cattctcaat ttgttttcgt tgctcgagta ctaactag 828

<210> 10776
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 10776
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 aaggtggccg gcggcaagtg cagagcacia gctcagctct cccgcaagaa cagcggcagc 120
 gacaattcga gcaagttgcc gagcgttgtc acctggattg gtaggggtgg aaccacggac 180

acctag

186

<210> 10777

<211> 486

<212> DNA

<213> A.fumigatus

<400> 10777

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tgggcaaagg	tcacggactg	gattcaagag	aacgcgagga	ggtactgggt	gattcctgga	180
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tcattcgtac	cgaggaacgt	gcctaaagag	atggtgggct	atatgggagc	gtctacagat	480
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<210> 10778

<211> 726

<212> DNA

<213> A.fumigatus

<400> 10778

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aagcctccga	agttgttaat	ttgcggacac	ggctcgatcg	atgaccctga	tggttcgctc	180
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gatgaagtaa	gcaccgttgg	caacgcgttg	aattggctct	acctcgcgtc	caagatgtcc	600
aagcacgaac	ctgtccggcc	caatggccgg	ttcatcaacg	atatggcacg	cgaagaggcg	660
ggcttcccat	atgagcccga	cgagagccgg	ttgaccagag	cagttgaggt	ggagaatatg	720
ggttga						726

<210> 10779

<211> 756

<212> DNA

<213> A.fumigatus

<400> 10779

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gcagacggag	gctccaagag	actgatcttg	attctgaaca	agatcgatct	ggccccccct	660
cctgtgctca	aaggctgggt	actgcacttg	cgacgatctt	tgcccacgct	acctctcaat	720

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756

<210> 10780

<211> 903

<212> DNA

<213> A.fumigatus

<400> 10780

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gatcagacca	ccgacttttt	gatccaggtc	gctcgcgaac	gcggtcgcct	cggcaagggc	660
ggtatcccaa	atcttgagag	cgccgccatg	gccgtgatca	acgactggag	agacggacgc	720
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tcgacttctc	ctgtcgagtc	aggtgttgac	acaaaacaga	ttgtcaccga	gtgggctgcg	840
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<210> 10781

<211> 213

<212> DNA

<213> A.fumigatus

<400> 10781

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accatcaagc	tgtatgaccc	ctccaaggcc	aactgggaat	gtaagtactc	gccctacgct	180
atctaccaac	catcgaccgc	gcacccaatc	tga			213

<210> 10782

<211> 663

<212> DNA

<213> A.fumigatus

<400> 10782

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ttggagcctc	cgtctgcagc	catcacttca	cgctcgacct	ccttcgaccg	ggtgccttcc	180
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atgttctcgc	caagcgtagc	actgccttct	ttctcgtctt	cgctccatgcc	gtccacatca	360
tcgtcatcat	cctcgtcgtc	gtcctcgtcc	atttcgtcat	cctcatcact	ctcatcacgc	420
tgttcgtcct	cgtactcggc	ggcccgcgca	cgggcagagg	caagcagagc	agccatagga	480
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tga						663

<210> 10783

<211> 294
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (145), (170)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10783
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 ttgacgcatt gcgagcgcc ctgtnttagt atcactttct ctcgactgtn tatcaacttt 180
 caactcaaca tggccccattc cgaaggetca ttttctgccc ctccacaagc ccatactttt 240
 gatggactct tgtccgattt cgatggaacg atagtcgatt cgaccgatgg ttag 294

<210> 10784
 <211> 378
 <212> DNA
 <213> A.fumigatus

<400> 10784
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 aaccatcgac ccggcaccga atctgacaac gtgggtccaaa cagacgtcag ctacatagaa 180
 ggccgtatcc ccaaagagta cggttccgac gccgtcgaga tccccgggtgc cagaaccctc 240
 ctcaacgcgc tggacgaatc cggagcacgc tggggcgctc tgacatccgg caccgcgcgt 300
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 gaggacgtcg agctgggc 378

<210> 10785
 <211> 762
 <212> DNA
 <213> A.fumigatus

<400> 10785
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 cagaaaaatc ccgcaacggt tcagtgcac ttgtgtccga agcgcttcac tcgggcttac 180
 aattttcggt cacatctccg aaccacacg gacgagcggc catttgtctg cactgtatgt 240
 ggcaaagcct tcgctcgaca gcatgatcgc aaacgacacg aagggtctaca ctccggcgag 300
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 aagccgctgc tagatgagga gtcgcaagaa agggagcgtt cgctcatgga ccagcagcaa 480
 catcatttgc aaccacttcc acaacaagtg atggtacctg tggacaaccc acatgctggt 540
 aattttgtgc tgccctgccg gcttctggct caatatcccg ctctccagac cttgcagtgg 600
 gaccagattg ctgcatcggc ggatgatccc agcgacatag ggggccgtag cagcttcgac 660
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 ggtattaatg ctgggtattc tgctgccggg aacttctatt ga 762

<210> 10786
 <211> 663
 <212> DNA
 <213> A.fumigatus

<400> 10786

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accgtttcct	tcagtgcgcg	ggaagaggaa	ccccacctgg	gcggccctcc	ccccagccaa	180
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aacgagcact	ttggcatctg	cgctcgtcgc	taccaggccg	caggcctgat	cagcgtcgtc	420
cacgactccg	gcgggccgcg	cgaggacatt	gtcatcgacc	ttggcgacgg	ggcgacaggc	480
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gcggaggaga	aagtcgcgat	gcgccagcgt	gcccgcgaag	ccgctctgcg	gttcaactgag	600
gaggagtctt	ctcagaaatg	gatcgaagag	gttggaagac	tggtcgagat	ttgccgcgca	660
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<210> 10787

<211> 726

<212> DNA

<213> A.fumigatus

<400> 10787

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actaccaacc	ccctagtcga	atactacatc	ctcgagaact	atggcagtta	caatcctggc	180
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agtcttcttc	catatgggtg	tggctttatg	tgtattctga	ctgtgatagt	gctctgcttt	600
gtggggccag	tgcggtggaa	ttggctgggt	tggtcctact	tgctgctctt	cgggcacttg	660
ccaggtttcg	aactcgtact	actcccagtg	cttgtagtac	cttcttgcag	ggttatatcc	720
aagtga						726

<210> 10788

<211> 264

<212> DNA

<213> A.fumigatus

<400> 10788

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ggcctcacat	catcttgggt	ttttgggtcaa	ttactccctg	tcttcattggc	cgtgctgccg	180
atcgtcagct	tggtcacttc	tataattggc	gataggagtg	ctgagtcgca	ttctgacggg	240
gtgcattttac	atttctgcgt	ctga				264

<210> 10789

<211> 330

<212> DNA

<213> A.fumigatus

<400> 10789

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atctccgccca	ctcaactcca	gttcaacctg	tcaagtcatt	ccgctctctg	cgtccctcca	180
aggcaaacgg	actggatcca	attgtggggc	cttttcggta	cttccaccca	aatgcctgat	240
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330

<210> 10790

<211> 417

<212> DNA

<213> A.fumigatus

<400> 10790

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aagtgggaag	atatcagtc	tagcgggtgg	tatcgcaagg	tccttagccg	gatgggcgcc	180
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atcgctgtga	ttcttaagtt	ccagctcgga	tcgagccagt	atgccaccat	ggcgtgaga	360
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<210> 10791

<211> 678

<212> DNA

<213> A.fumigatus

<400> 10791

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agcagctcgg	gaagcagcga	cacgaagaca	atcgctatag	ctgtcccagt	atctgtagtt	420
ggcgccgcag	tgctcatcgg	agcgttattc	cttcttttga	gacggcgccg	tcggaaaact	480
caacaagaga	acccatcgga	cctccaagtg	gatattgttc	agccaactcg	aacaaacctg	540
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cgggcccgtg	tctttttcag	accgcgtcaa	atgatcacat	tccatttcgg	ccagcacagc	660
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<210> 10792

<211> 507

<212> DNA

<213> A.fumigatus

<400> 10792

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atagcatcga	ctacaaccag	ccgagcagta	actggggcac	caaaccagtc	gccacctaca	180
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tggttcagcta	tcgcatctgt	caggaccaga	gcattcgttg	caaactgctg	gacgcgtcgt	300
acctgccaac	tcaggcggag	aagcaagccg	cggaggactg	cttcgaagcc	ggcctcttgc	360
cgtgcacgga	tgtaaatggg	caggagtgtg	ggtacagtgc	ggactgtgtc	gagggtcagg	420
cctgctggcg	caatgactgg	ttcacctgca	atgggttcca	ggcagcggag	agaccaaagt	480
gtcagggtgt	ggataatgcg	gcgttga				507

<210> 10793

<211> 582

<212> DNA

<213> A.fumigatus

<400> 10793

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ctctgctacg	gaccgtacga	gagtcactac	gacgcccgtg	gcatccagcg	actgctttcg	180
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ttcctcgctc	ttgtgcgacg	tggacggaag	ggctcccccc	cacaaacatg	tgtccaatgg	480
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<210> 10794

<211> 711

<212> DNA

<213> A.fumigatus

<400> 10794

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gactccgccc	ctgtcagtcg	cagcgggtccc	tgcgggtaca	atgcccgca	tagcatcgac	180
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aaagtgaaga	ttccggacta	tgtgtccaat	catactttgt	tgtcgttcaa	gtggaattcg	660
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<210> 10795

<211> 390

<212> DNA

<213> A.fumigatus

<400> 10795

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<210> 10796

<211> 1857

<212> DNA

<213> A.fumigatus

<400> 10796

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<210> 10797

<211> 201

<212> DNA

<213> A. fumigatus

<400> 10797

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<210> 10798

<211> 666

<212> DNA

<213> A. fumigatus

<400> 10798

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tcgtggaccg gcttctctga ctaggaactc gtcacgacg accgcaaggc agccatgtgg 480
tacgaggaga acagaaaggc catccagatg aagatcgagg cccttaagac cgactctgtc 540
gccaccgaga tcgccagct gctcatcagc aacaaggagg gcggtctcaa ggggtgtgcag 600
caagttctca gcatgctgcc tgtggaggag aaggaggccg tgctcaagta cctgggctca 660
ccatga 666

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<210> 10799
 <211> 402
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (212)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10799
 aagcaagacc ccaccttaac ccgtaggttg gggctttggg ccagcttcgc cctccccccg 60
 ataaccccg gggacagccc ttcccattt tccctatttc aatcgagaac gttaaccccc 120
 aatccaaccc cgggtaaaac tccatttctt tccagcaggg tcttcgcccc acgcaaacca 180
 tccatcaccc tcttgtctc ctgcacccc gntcccaggg gacccaaccc aatccatcca 240
 cggctgaaca tccaactacc tctcgcctt ctccgcattc tcgcatagt cccgccaccc 300
 ccacggcgct acgtacccgc tcgccggtcc caacgccagc ctgactgggc ggcaaaatcc 360
 acgcccacct gcgcgcagc cgcttcaaac tccactcat ga 402

<210> 10800
 <211> 525
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (136)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10800
 ctgggaggca aaatccacgc ccacctgcgc cgcagccgct tcaaactccc actcatgagt 60
 aaatgcccgc tcgtcatggt cgcagccggc acggggctgg ccccttccg cgccttcac 120
 gccgagcgcc gccagntgag cctcatcggc aaggaaatcg gcgagatgat cctttttttc 180
 ggggtgccgg ccccgacgca ggatttcac tacaaggaag aactggagga attgcaggcc 240
 gctcttggcg ataaactccg cgtcatcact gcgttctcgc gagaagtcgg cagccagaaa 300
 gtctacgttc aggatcggt tcgcggaacat gccgcgagg tgatccggct gatcgacgag 360
 ggccgcgagc tgtacatctg cggccggggc ggggatggccc gcgaggtgga aaagacagtt 420
 ggggaggcaa tgcgagcgcc caacaggtgg agcgagaccg aactatatga gtggagtacg 480
 gcgatcaaga tgaacaataa gtggcacgag gatgtatggg ggtag 525

<210> 10801
 <211> 432
 <212> DNA
 <213> A.fumigatus

<400> 10801
 tcttgcata aaccgctgca tgataccac cgcacgtct tttccttgcc agcgtcgatg 60
 actgctgtga tatccgggat ggtgatacct gagaagtcag caatgattat cgtggcagcc 120
 ttgcaagcat acctgtttc gcccctccg tccccctca ctttttctt catgcccccc 180
 gggaaggccg acgaaaggct tttttcctgg tctccgctg gccaccccc cactcacctt 240
 gcccctcccc ccccccccc ccccgcacc atgggatttg aagagaatcg ggtgggtccg 300
 gagaacgagt tctccgccc gcccgccacc cccaccccc accccccgc cgtccccccc 360
 ccccctcccc ccccccccc ccccccccc ccccccccc ccccccccc cccccccaa 420
 cccgcccccc tc 432

<210> 10802
 <211> 291
 <212> DNA
 <213> A.fumigatus

<400> 10802
 tcattgctga cttctcaggt atcaccatcc cggatatcac agcagtcac gacgctggca 60
 aggaaaagac gatgcggtgg gtatcatgca gcggtttcat gcaagactat gctgacacat 120
 tttaggtttg acgaaagacg acaactttca aggctcgtgg aggcctttat ctgcgctgcg 180
 aatgcaaagc aacgccgagg aagagctgga cgggtgcaga gcggtatctg tttccacttg 240
 tttaccaagc atcgacatga taaactggta tgtccaaatt cctgtcatta g 291

<210> 10803
 <211> 405
 <212> DNA
 <213> A.fumigatus

<400> 10803
 aaattcacac aacgcagagc cccgatccggc ggccgccaac gacaattctt caccatcccc 60
 gaagactacg acacaaacag cagcaacgac gtcgtcgtca attcggtcac cgcctggagc 120
 ttctacccca aactactcac ccgcgaaggc aaaggctggc gcaacgtcgc caacaaccaa 180
 tccgtcactc tgcacccaac ctccgtcaac aagcacgccc acgcctccct gaaatggctc 240
 tctactacc acatcatgca ggcccgcac aggaactaca acgcctttga gacaaacgcc 300
 gtcgatgact ttgccattgc gctgctgtgc ggagaggccg agttcaaggt acgcgccac 360
 tgcccaccat tctacagctt tgcaaagata cgaattctga tttga 405

<210> 10804
 <211> 231
 <212> DNA
 <213> A.fumigatus

<400> 10804
 acgcagatgt actctgggat tatctccatc gacgcaaacc gcatccgctt cgcgggtccgc 60
 gattggaagg ccatgctcgc gctgaagatc ctcaagtgcg ggatccggga gatcctggcg 120
 ggcacggtcc ggcaccgca gaaggtgctg tcgtataaac agcagcaatg ggttgggatc 180
 tggcagcaga ttttctccca ggcgtggaaa cggatggctg agaagcggta a 231

<210> 10805
 <211> 591
 <212> DNA
 <213> A.fumigatus

<400> 10805
 cacatttttag gtttgacgaa agacgacaac tttcaaggct cgtggaggcc tttatctcgc 60
 gtgcgaatgc aaagcaacgc cgaggaagag ctggacgggt gcagagcggg atctgtttcc 120
 acttggtttac caagcatcga catgataaac tggatgtcc aaattcctgt cattagtcc 180
 ttgatactaa catcctcaca gctcgcagag caacagactc cggagatgct tcggctatcc 240
 ttgcaagatc ttgtactgcg tgtcaagatc tgtaaactcg gcgaagtgga gcaaactctc 300
 ctgcaagcac tggatccacc atcgtccaag aacatacgcc gtgcgattga ctgcgtgaaa 360
 gaagtcaaag ctctcaccaa ctccgagagc ttgacacctc tgggcattga gcttgccaaa 420
 ttgccccctg atgtcttcc cggaaagtgt attatccacg gcgtgttctt caagtgccta 480
 gacgcttgca ttagcattgc cgccattctc tcatccaaat caccgtttgt caatactatg 540
 ggateccaac aaccagaaag atcttgcgag gctatcattc aagaagggtg g 591

<210> 10806
 <211> 252

<212> DNA

<213> *A.fumigatus*

<400> 10806

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gtggggggggt ggccagcggg ggaccaggaa aaaagccttt cgtcggcctt cccgggggggc 60
atgaggaaaa atgtgagggg ggacggaggg ggcagaaaca ggtatgcttg caaggctgcc 120
acgataatca ttgctgactt ctcagggtatc accatcccgg atatcacagc agtcacgcagc 180
gctggcaagg aaaagacgat gcgggtgggta tcatgcagcg gtttcatgca agactatgct 240
gacacatttt ag 252

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<210> 10807

<211> 210

<212> DNA

<213> *A.fumigatus*

<400> 10807

```

atgctacgaa tgtcaaggct atcattatac ctagaagcgg gtggtaccat ccagaactcc 60
tctgccagcg atttttctaag tttttcttccc atttttcttc caccgaagtt ctcttccttt 120
cttttttctt ttttttttgt tctttttttt ttgtttttta agtcgggagc ttcgttcacg 180
cgagatggaa caagccctgt aaccatctga 210

```

<210> 10808

<211> 1008

<212> DNA

<213> *A.fumigatus*

<400> 10808

```

ccacagtccc tatcggaact cagatccttg attgaagatc cagagaccga cgacgaacta 60
agatctcttg ctcttgaaga cttaaaaagt agcgaccgta ctttgccagc catatcaaaag 120
accctgaaaa acgctcttgt tccccgccac ccctttgcag atcttccctg cctactcgaa 180
attcgccccg gcgcgggttg agacgaagct ggctcttttg ctttcgagct tttgaggatg 240
tacactgcct tttgttctcg acgtggtcta cagtccaatg tgatcaagct cgatgtgcaa 300
gacgggcctt cagatgatcg cctgagcgaa gcagttgtag agatcgacgc agacggagct 360
tatgatcttt tgaggaccga gtctggggtc catcggggtc agagagtgcc ggccacggag 420
actaagggac gtaccatac aagtgcggtc agcgtgatgg ttcttcccag cttcccagag 480
gcagggtccc gtatggacag tgctttaaat ttcgacgacc caaacagtga ctactatggt 540
gatccccagg aagtccgcac cgagaagatg cgcgcgagcg gagctggagg tcagcatgta 600
aacaataacc agtcagccat ccggttaact catataccca ctggaattgt cgtttcaatg 660
caggattccc ggtctcagca tgcgaaccgg aaaaaggcat ggcaagtgtc acgagcaaaa 720
ctggccgagg ctagacaaga agctcgtgag caggaaactg ttgaattaag aagaggtgtt 780
cttggaggcg tcgctcggat gggccgtggt gataagatcc gcacatacaa ttatggacag 840
agtcgttgca ctgatcaccg tagcggcatt acagtgcaca atctggataa tgttcttgat 900
ggcggcgaaa gtcttgagac tataatggat agtgtcagaa cttggctggc tgatcaggag 960
atagcagcta tatctgcaga aaattcgata aatgccgtcg ggaagtaa 1008

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<210> 10809

<211> 240

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (82), (84), (170), (171), (180)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10809

acgccgaaag	gtggcggcga	atcgcaaaac	accctgaaaa	gcccaaccctt	ggttttgaaa	60
caatggaagg	tatgtacaat	tnanaaaaaa	acactcgaaa	aaaccaacat	taatgggaac	120
ggaattaggc	cttttacaaa	atcaaatgaa	tcccttgaag	gtatcggctn	naagaaaaan	180
cccttatcct	ttaaccaatt	ttttctaacc	gttaaaaaa	attcaaaaaa	cctgctttct	240

<210> 10810

<211> 264

<212> DNA

<213> A.fumigatus

<400> 10810

tcaaattgtg	cagtcgcgaa	gacaagatcg	cagctcaatc	gcaggctccc	tgatgccaaa	60
aagctcccat	ggccaccgtt	tggaatacaa	tggtatgccg	gatgcacgac	tttgattata	120
gggaattcgc	ttaaggctgg	catccgtaag	tttcatctgg	tggtgctgcg	ctaccattgt	180
ccaaactttt	tgatagaaac	tcacgctaga	atattggtaa	ggcttcgttg	ccttcgacac	240
cttcaaatct	ctacttcagg	atga				264

<210> 10811

<211> 249

<212> DNA

<213> A.fumigatus

<400> 10811

ggcttcgttg	ccttcgacac	cttcaaatct	ctacttcagg	atgaaaacgg	caatatatcc	60
ggccaagaa	ccgtgatcgc	cggcttcggg	gctggattca	cagagtcctt	actagcagtg	120
acccattcgc	aaagcatcaa	gacacagttg	ttcgttgtca	cctttattga	ataccctacc	180
ccatcctcca	actatttggg	tcacaaactg	ttaccagggt	gcgccgtgca	actgacacac	240
gggtattag						249

<210> 10812

<211> 255

<212> DNA

<213> A.fumigatus

<400> 10812

cacacgggta	ttagaattga	cgatagaaaa	tccccaaatc	ctcgtatgcg	tggtattcctg	60
cacggcagta	agatcatctt	tcaggagaga	ggtcttcgag	gcttctttca	aggggttcgtt	120
cctacaacag	cgagacaggc	ggccaactcg	gcaaccagat	tctcaagcta	cacaatgttg	180
aagcagttgg	ctcagggtta	cgtcgcaccc	ggcgagaagc	taggaactgc	cagtacgttc	240
gctcttggtg	gatag					255

<210> 10813

<211> 267

<212> DNA

<213> A.fumigatus

<400> 10813

gcctttcaga	acttgaaatt	ttcgcctata	gatttggtact	tagccctcag	cagaatgcaa	60
tcgctcgaag	ctagtaaaaa	ttacaaaaac	agcttcgttt	gcgccgcgcg	aattttcaaa	120
gacgaagggt	tgcttacggt	ctggtcagga	gctgtaccac	gtctagcaag	attgatcatg	180
agtggaggaa	tagtcttcac	aatgttcgtt	ggaatacgtc	catctcgtcc	acactttcgg	240
gtgctaattc	atcacaacca	ggtatga				267

<210> 10814

<211> 252

<212> DNA

<213> A.fumigatus

<400> 10814

aggacaactt tacttcccga cggcatttat cgaattttct gcagatatag ctgctatctc	60
ctgatcagcc agccaagtgc tgacactatc cattatagtc tcaagacttt cgccgccatc	120
aagaacatta tccagattgt gcaactgtaat gccgctacgg tgatcagtgc aacgactctg	180
tccataattg tatgtgcgga tottatcacc acggcccatc cgagcgacgc ctccaagaac	240
acctcttctt aa	252

<210> 10815

<211> 744

<212> DNA

<213> A.fumigatus

<400> 10815

agacgatcaa cccgtcattc aatggatatt cacaaagaca tcagaacagg cagactgacg	60
gctactggtc tccagcagta tcttgagacc catggcatca acgacaccga tagcaaaggc	120
tggaacattac ttgcaacagc cgtcagagcg ggacacttga agatggttga actcctgctg	180
aagcaacacg ccgaccccaa caccaagagc catggatttg ccccatcca tctggcagtg	240
acggcaaaag ccgaacgtct ccagataatt agcttgctgc atagcgcaaa ggcagatctg	300
aacgcccgaag accctgatgg caatacagct atcatcagtg ccatcgagca gacgcaggat	360
gataaagtca tcaggctact tcgcagacta ggtgccaatc tagatgctca aggacgctcc	420
ggtaagacag ccaagcagct agcggagagc tcgaacaata tgctcgttcg gcaagctgtc	480
cagccggatc ggctatcct tgacaggctg agaacgggtga cctggattgt taatgttggt	540
gttggagctt tccgctatgt cgtccggaca tttatccaga aaccagttta caaaatcttc	600
gatgtcttca aaggcaggcg tcaagctccc ccgcagccag ctcaagccgg gcccgctcga	660
acggacgcag actttgcaga tgcaagcaaa cccccccccc cccccccccc ttgtccctct	720
gaatcgcttg agattcgact ctaa	744

<210> 10816

<211> 426

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (411)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10816

cggagattcc aggcgatcaa gcatccccaa accgaagcag gcttcaagaa gagcctcgat	60
agctacatcg aggatagctg tctggacaag ttcttttccc ctggcagcaa attcctgcaa	120
gaggtgtctc agaaggcggc caaactgaag gatgacccta gaaataaata caagccagac	180
caaataaagg acctcacgcg cgttgccctc taccaaccgg ttctctactg tggtaggtac	240
taccctcccc gaaccacaac acacaccgga cggcccgag cccagctaa tccgcagcag	300
acgacagctc gtcgatgcga gaggaatgc ggtgggaggc tcagcgggag cttgtcaagc	360
gcatcacaac catcgccacc caactggtcc gtgccgacaa gggcggtctc ntacgcttgc	420
ctttaa	426

<210> 10817

<211> 447

<212> DNA

<213> A.fumigatus

<400> 10817

ctcttagcca aacagatcct tctgcttagc gtcaaggaca acgatcttct caactgccat	60
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cgttttcaac	cccacagcga	ggaagagcgc	tggattgagc	acccgctcga	cacgaccgag	120
cctatcatcc	tgcacaagca	gagcaagatg	accagtgtct	cactcgtatc	cgggggccac	180
gtgtttcttc	aggtgcccag	tggcgctctt	gtggatctgc	agtatcagca	cgacacgaac	240
cgctggacgg	cccagataat	gcgcacgcag	gttacagttc	aacctgggag	cccgtctctg	300
gctatccagg	ggcgcgtcaag	cgtttccctc	ttctttgttg	gggacaataa	ctgcatctac	360
tatgttacct	gatecactgt	acaggatgcc	tctgaatggg	agggttaact	tgtctcgttt	420
ctgtttccct	ccttctctat	gatttaa				447

<210> 10818

<211> 690

<212> DNA

<213> A.fumigatus

<400> 10818

cccatctgtt	tcactctacc	tcactgaaa	gacgtcctta	cgccccccgc	cgcccaggcc	60
cttccctaca	tctttcaccc	ggatcatgggc	agccccggcg	gcgccctcgc	gctgaccacc	120
ctcgtcctcg	tcateacgct	cttctgctcc	atcagtatta	ccgtagccgc	ctcgcgctcc	180
acctgggcct	tgcgccgcga	cgatgccatt	ccgctcgcca	gcctctgggc	ccgcgtcgac	240
ccccgcctag	gggtcccccgt	ctgggtccctc	ctcctactca	ccgtcatcca	gatgcttctc	300
ggtctcatca	acctcggcag	ctccagcgcc	tttaccgcct	ttgtctccgt	cggcgtcatc	360
gctctcgccg	tgcctacgc	catccccatc	ttcctcagcc	tcgggcacgg	ccgcacagag	420
gtctccaagg	ccctgtggaa	ctgtggggcc	gtcgtcggtc	ccatcgtcaa	catcgtggcc	480
ctgtgctgga	tcggcttcga	actagtcttg	ttcagcatgc	cgaccgtact	gcccgttacg	540
agggtctcga	tgaattatgc	gtccgtcgtc	tttgtgggtt	tcctggccat	cgcgcccgct	600
tgggtatgctg	tatatgcacg	gaaatgtgag	tttgtctgtc	gcttcgcgta	tctatgggac	660
gtttgctcat	tcgttgctcg	ctccctgtag				690

<210> 10819

<211> 222

<212> DNA

<213> A.fumigatus

<400> 10819

attcttatgc	gcggatgcgc	cactcccgtg	gtgaagattc	tcgacgctgg	ggttctggag	60
gaatgtgtgc	gggcaaacct	gggcgatctg	accttcgagg	aagcatatgc	ccggtcgaaa	120
cgaattttga	acatcactat	agcgacatca	ggcaagaatg	gcacccctaa	tctgctgaat	180
tacctgaccg	cgccgaatgt	cgtaagtaca	tttaacgctt	ag		222

<210> 10820

<211> 756

<212> DNA

<213> A.fumigatus

<400> 10820

ttgatctggt	cggcggcagt	tgcctcgaac	gcattccacg	gttcggtata	ccagcctgtc	60
acggtatact	gcaaagatga	aacagggtcg	atagtcccct	ggccacacgc	tcaggacgcc	120
acctttcagt	catggcgcca	cgtccattat	agcgacgggg	agtcaccact	ttcccgcata	180
gccgagttat	tcaatgtcaa	ccacttcata	gtatcgcaag	cgcgggccgta	tctcattcca	240
ttcctggggc	cggacctgag	catgttagac	cgccatcaga	caggccaatg	gaacatcaca	300
cggcgcgtga	tgcgcctggt	cgtcgcggag	ctccgccacc	gacttcgcca	actggactac	360
ctcgggtctc	tgcctcaaat	catcggccgg	ctcctcatcg	aagagacaat	cccaggatcc	420
aacctcacgc	tcgttcccga	tctatctctg	agcgacttta	cgaagcttct	acagaacccg	480
agcaaggaca	atgtggcata	ctggatcttg	aagggcgaga	ggggcgatat	gccggccatc	540
agcgcgctca	aggttcgctg	tgtgggtcag	atcgagctcg	acaaggggta	tcagcgcgtg	600
cggcgcacgg	ggccgagcga	gagcgtcgcg	ttgcaccggc	gtgggtccgaa	tgaagggtga	660
cccaggagac	gaagggggta	tagtatagac	aacggacggg	atctgagcag	tttgcttggg	720

agtgcggatt atcagccaga tatgctgaat tcatga

756

<210> 10821

<211> 561

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (545)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10821

cgagtcgtct	accgctgctg	caatcagatc	atcatggccg	tccgatcgag	gccatccctg	60
cgcttctcag	tgcgacggga	tgacaatgcc	tctgggtcatg	atgacgacga	ccaccaggac	120
aaccacgaca	acactttgct	gtctttctct	ccccctgcaa	agaggcctcg	gcttcagcag	180
caacagcaac	agcaacagca	acgtcgtcag	ccaccttcat	cccgcgcgtcg	caagagctct	240
cccgacttac	ttgacgcaac	tattgaaaac	tccagtcata	gtgctcccc	gtcatccaaa	300
ccccctcagg	tcggtgcgacc	gaccgctcat	tgcgcgcgtc	ctccgcgcgc	gcacttatct	360
acgcgcgcgg	cacctgctcc	ctccactgcc	ggcgacagcg	tctctttctc	gtcctcgtcc	420
tcgtcgtcca	actccgcctg	tggtccgctc	cccggcacc	cgcacactgc	gggacgatct	480
catgagcacc	gtcatactcc	gctttcggct	tctgccgcgc	tgtatatgca	tgggtggtggt	540
ggtcncaatt	ccccgatct	t				561

<210> 10822

<211> 216

<212> DNA

<213> A.fumigatus

<400> 10822

aggattcgag	gtcagtctat	atcagatgat	catcgacagc	gacagagaca	cttcttgcc	60
gctggcagtt	gcaagttaca	acaatatccc	ccacccccac	acaacgaggg	gaagatgagc	120
gacaagtcca	gagagggatt	cctcaacctc	aaagatgact	ccccgtctgc	attcatcgga	180
gttcttgccg	atcagaaaaga	tcattgtttc	tcctag			216

<210> 10823

<211> 483

<212> DNA

<213> A.fumigatus

<400> 10823

ccacaaacgg	aacaacaaca	agaagacgac	ccctcgtccc	cgccatatac	gtgccaaccg	60
tcgccttctt	caaggacgac	gaggaagtcg	atctccccac	cgtcgagaaa	cacgccgcct	120
accttgccga	cgccgggggtc	actggcatcg	tcgtccaagg	cagcaacggc	gaagccgtgc	180
atctcgaccg	tgacgaacgc	aaactcatta	catcggcgac	ccgccgcgc	ctcgatgccg	240
ccggagccac	ctccatgccc	ctcatcgctg	gctgtggcgc	atcttccacc	cgcgaaaaca	300
tccagttctg	ccaggacgcc	cccgaagccg	gaagataata	cttccttgte	ctgccaccct	360
ggtaataaca	agttctctcg	tgaacaaagc	cgccctcttc	cactaacttc	cgcgaagttc	420
gcttccggct	cttccgattc	ccgtcctcca	tctaaaattc	cccggggccc	cttccggccc	480
tga						483

<210> 10824

<211> 195

<212> DNA

<213> A.fumigatus

<400> 10824

tggtgcctca	actcatcttg	tgttgctcaa	ttaattgact	ctattgccat	tgacacctga	60
atggaagggtg	aatcagacct	attcttctgc	tctgtcgccc	tgctgtcgtc	gtcgcgttct	120
tttttcttgt	ttttttccgc	ggtcgccatt	aattacaggg	atgtggtatg	gccaataaca	180
ggatttgcgg	aatag					195

<210> 10825

<211> 396

<212> DNA

<213> A.fumigatus

<400> 10825

aatcatcttc	tcacgaccac	cacagaaaac	aactgggtata	cagcaacaga	caaaatgacc	60
acaaacggaa	caacaacaag	aagacgaccc	ctcgtccccg	gcatatacgt	gccaaccgtc	120
gccttcttca	aggacgacga	ggaagtctgat	ctccccaccg	tcgagaaaca	cgccgcctac	180
cttgccgacg	ccgggggtcac	tggcatcgtc	gtccaaggca	gcaacggcga	agccgtgcat	240
ctcgaccgtg	acgaacgcaa	actcattaca	tggcgacccc	gccgcgccct	cgatgccgcc	300
ggagccacct	ccatgcccct	catcgtcggc	tgtggcgcat	cttcaccccg	cgaaaacatc	360
cagttctgcc	aggacgcccc	cgacgcggga	agataa			396

<210> 10826

<211> 255

<212> DNA

<213> A.fumigatus

<400> 10826

ggacctgaag	tagcaaaaatt	aaaatggcag	ctgagtgcta	agaataaccc	tctctgcact	60
atgctgtggt	gcaacactgt	gatgaccaag	gacatgtttg	ttctttgggg	tcattatcca	120
tggtcttcgg	taataaaatg	gtgtccagga	ttttctcatt	ggaattattg	ccattatccc	180
cttacagaca	gagattattc	agtgtcttacc	agcaaccttg	aagggattca	atattatccc	240
cttacaagcc	cctga					255

<210> 10827

<211> 243

<212> DNA

<213> A.fumigatus

<400> 10827

ataaacgtcg	agagaaagat	aaggacgatg	ttcatggggac	gtacctggct	gaatcgcata	60
atcgaggatt	tcatcaactg	tttcgactgg	tttatcaggg	ggcgcatgca	gaacgatgac	120
aacggagcca	agcaaacaca	aggcgacgcc	cagtttcccc	agaatgcca	gtctttcatg	180
cagaaaatag	gacccaagga	cagcactttg	agggacgcgg	tcagccaggc	gcggaggact	240
taa						243

<210> 10828

<211> 486

<212> DNA

<213> A.fumigatus

<400> 10828

ccgaaacgac	atacaatgac	cactattgtc	tttgttcccc	gtgcgtggat	caccccgag	60
ttctatcatc	cgttcttcga	tgctctcacc	aaggccgggt	gtcctgtccg	ctgtgctgga	120
tatccctctc	tggaccctgc	ggacccacc	agcacagact	gtaaagcgga	cagtgatgcc	180
atcgccagcg	tcattcgtcc	gctagtcgaa	ggcgagggcc	gcgacgtcct	tctggtcatg	240
cactcctacg	caggaatgcc	gggagctgcg	gccgccaagg	gacttgccaa	aacagaacga	300
atgcaacaag	gcaagtccgg	cggcatcgta	ggactgggtg	tcatcgccgg	tttcctggtt	360

ccggaaggac taagttgtgc gggattacag ggaggggaatc ttcccccggtg gatcttggatg 420
 gacaagggtac tccccccctct tccctccgact tgggatgaat cggaccagat gagtaacgcc 480
 ctgtag 486

<210> 10829

<211> 363

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (289),(315)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10829

ccgtacgaca aagtgaacat ccccgatgac cctgtcggca actttgctgc ggatgttgat 60
 gaagacgtgg cccaaagtct tgaagggtcc atccggcctc attccacggt ggcgttccac 120
 actccccaac cggctcctgc ttgggcagac cgggcgtatg ccggacgact ggcatttatt 180
 gttcctaccc tggacaaggc tattcccagag gcagctcagc gtgccatgat tgccagtact 240
 cagacggatt ggatcgtaga gggaatggtc tgcagtcact gtgcgccgnt tgtccatcgg 300
 atcgacgagt gtgtncgact ggctgcagga tttctcggcg tgtttgaggt tacgaagcac 360
 tga 363

<210> 10830

<211> 276

<212> DNA

<213> A.fumigatus

<400> 10830

gccatggcaa ctggaaacca ggtcgacatg gtcatttggg tgtatcgagg cgtgggaaca 60
 cacatctacc cccttgggat gaccggcttc tccaacttct tcgtcaacct ctctgctctgc 120
 gaaatcttct atacgctgtc catctgtgag accaaatact ccatactgat gttctactgg 180
 cgcattcttc gcaccaccaa cattcgcatc ccaatatatg tcatattctt cctgggtcacc 240
 tgctgggggt tgggcatcgt acgtcggacc atatga 276

<210> 10831

<211> 1584

<212> DNA

<213> A.fumigatus

<400> 10831

tttccccggg cccgtgggac aagatccacc gccgacagcg gggccagcgc caggcgttat 60
 tccgcaatga cagctggcg ttcgatgcat atatccgcat cattgacgac cccaccgggt 120
 tttcgggtgg ggcattgctag cgattctgaa ccgacctggg acagtctggg cttgactgga 180
 tatcgggcgc tgggtgattc tgtcatcaat cacagtgcgc aggttgacagg actggcctcc 240
 tggctgcatc tcgcaccgct gtgcaagata atccagaatg ccaaggctct ggaccattac 300
 acaaactgcg atgtgaagcc caaacgcctc tgcgatgcgc tacagaagtt cctttggcgt 360
 ctctgctctc gtggctcagtc cctgcaatat gtggatacgg acattatcac ttccattctg 420
 cgcaatctgc atgaatactc gggcgatgtc tgcgagttct gggagcgcct gcgtcggacc 480
 atcgagtttg aattgtcgga caccgatgct ccgaaggagc tggccaaaat cttcgacagc 540
 cctcgccggg actcccttgc cgcttctgga gtggacgcgg taaacacccat cccaaaggat 600
 ttcaactcac gcatttgtgt gcctgccgaa caggccaaaa cgatgcgcga aggggtgagc 660
 tggatcctga ctcagaaacc cggctcgttg gcattgccac ctgttctcca tgtcgaactg 720
 taccgccata agttggacaa ggcggcgcg cagtggcgcc tgggtctacaa caaggctgat 780
 cttgatgagg aattggatct gactccatac ctgggttgac gccagtgtgg aagctatgtc 840
 ctctatggct acattgtcca ccgcgagcgg cgcacgtcgg gcaaattttt cagcattctt 900

cgtcccgggtg	ggccccggaac	caggtggcctt	gcattcgatg	atggcagcga	taatcgtgtt	960
gaatgcctca	cacgcaagac	agccttggga	cgcacatctt	gtctggacga	gtctcagaaa	1020
gtagaccaca	agactgggtca	tgatgtcgcg	attgccgtca	tgtatatccg	aggcgatgtt	1080
gtctcggagt	ttctccctgg	tcctcaggg	cgtgggacg	tctcaccgtc	gctcaaggaa	1140
tactatgaga	ccggcatcta	ccctctatca	tccatgtccg	ctggaaagcc	cgcagagaag	1200
gaaatccagg	tagagggttta	tgtcccgcca	cagtatgaca	agttgccgag	tctgtttgac	1260
tcttacgatt	tgatgtccca	agccaaggcg	gccaacaaag	tgatgtatat	gactgttccc	1320
cgctccgaga	atattgtcga	gctgcgcaag	aagatcgctc	tctgggcctc	tgccgggcagc	1380
gagaccagc	ccagtccga	gaatatccgt	ctctggcaga	ttggacatac	tcgtgatcga	1440
ttcggaccaa	cacttgcggt	cgagcggatc	tcggatctga	aatcgaccct	cgatctgcct	1500
gttcaggtg	ctcgggtgtg	gatgcaggtc	gtctctgatg	gtaatttttt	tttttttttt	1560
tttttttttt	gccccctaga	ttga				1584

<210> 10832

<211> 732

<212> DNA

<213> A.fumigatus

<400> 10832

attgacagtt	gtgggacacg	actaatgcat	gggtctatag	atgaggcaaa	atactttgct	60
atcagagatc	cccgcgacgc	tgtagtcgcc	cagcgcaaga	cagaagaggc	ggtagtcgaa	120
cgcgccgggt	ctgaatcttc	ggacgacagg	caatatacac	ctgaagtccg	aagtggagg	180
gctgaggcca	gctcatctgg	taacgtgacc	gaaagtgatc	tcagcaatgg	tgacaggggtg	240
tcgggtggaac	agcctctgcc	acgggcgagt	gattccgagg	tctccgagag	ctctagtcaa	300
gagactcccg	actcctctga	gattcaacc	agcaacgcga	gtactgaaga	tgatgcccgc	360
atagcggcaa	tcacgcgaca	ggatgtccag	cagatggaca	tcagctggc	tgaggaggct	420
caacaatcac	ctattcgggc	tgagcagtc	tccaatgaca	ctacccaaag	cgaaccagca	480
gagcaacgag	ctgcttctcc	agctcccag	gctatgtcta	gcacttcgga	agagcctgat	540
gtcccactgc	ccgtcgagca	cgtttattac	ttcattcaaa	ttttcgacgt	cgaggcacac	600
agcgttgctg	acgggtgggt	ccttcctctc	ccgaaaggag	gagaaaatca	agaccgctct	660
gcggaagcac	ttgaagtggc	cgaagaaaaa	gggatttttc	gatctggcag	cgggttgatg	720
gcaccactgt	ga					732

<210> 10833

<211> 696

<212> DNA

<213> A.fumigatus

<400> 10833

tcgctgtgct	ccagacttac	tactgtgtgt	tttgcttgcc	gtacgacagc	ccatcgcttg	60
cggtaactcg	tgccgctcgc	atatcggttc	aggatcccc	ataacaggcg	ttcacacggc	120
tctccctcat	ctacgggtcg	tcttcattat	ttaactgaca	gaatcaacat	gtgcttcctc	180
gacattgacg	acagaccggg	gcccggcggt	cgagtcgtcg	aatatcgccc	ggggaccctt	240
cgagtcctca	tgccagggtc	tcgtcggcgc	agaagcagct	gcagtagcgg	tagtagcagt	300
gacagtggca	gctccagttc	cagcccaagc	agcagcagct	cgagctgtca	tagtagcagc	360
aacagcagca	gtagcgatga	taccaccgtt	gtcattgcgc	caagtccttt	gcaccacat	420
catcatcgat	accagcgcta	ctcctgggtat	gcgcgctcaa	agtcaccaga	accagagtca	480
tcatatacaa	ccgtgcaaag	aacgagagt	cgacgcgggt	ctgagtcgat	cattcctttc	540
aggagaagat	tctttgacag	cccgcctcgt	tcgccgtctc	cgggtgatag	gtgtgtgaga	600
tatgttgagc	ccgggggctg	gggacgatcg	cgtttgcacc	atccggggag	agtctgggag	660
gaggaggtga	gatttgtctc	tgggagggga	ggatga			696

<210> 10834

<211> 594

<212> DNA

<213> A.fumigatus

<400> 10834

aaatattcta	tcctctacgt	ggctaagcgc	actaggaacc	gaaccctttc	catccgaaaag	60
aaggaaccgg	cccgccaccg	cttcaggatg	tcgaccttcc	gcgggtctgca	ggcggcgccc	120
gagctgagca	ggaagatgag	ccgcacgcgc	aaacaagaga	actcgggtcat	ctccgcccac	180
gaggcagccg	gccgcgagcg	cgtcaacatc	gccgcccagc	tatcagaatg	gggcgaaggc	240
accgaggacg	acgcgcgtctc	cgacatttcc	gacaagctcg	gtgtgctgat	ggcagagatc	300
ggcgagcagg	aggacaactt	tgcgcagagc	ttggaggact	accggagtat	cttgaaatcg	360
attcggggaca	cggaaacttc	agtgcaccca	tcgcgcgcatc	acagggcgaa	gatcgcggat	420
gatattcagc	ggcttaagct	gaagggggag	cagagcaatg	ccaaggtgga	agttctcgag	480
caggagttag	tgcgggctga	agcaaataat	ctgggtgcag	aggctcaatt	gaccaatgtg	540
gtacgtatgg	cctcacgagt	gtacctgac	gcgagcgccg	ggctgagatt	tgctc	594

<210> 10835

<211> 306

<212> DNA

<213> A.fumigatus

<400> 10835

gcgcgcatac	caggagtagc	gctggtatcg	atgatgatgg	tgatgcaaag	gacttggcgc	60
aatgacaacg	gtggtatcat	cgctactgct	gctgttgctg	ctactatgac	agctcgagct	120
gctgctgctt	gggctggaac	tggagctgcc	actgtcactg	ctactaccgc	tactgcagct	180
gcttctgcgc	cgacgaggac	ctggcatgga	gactcgaagg	gtccccgggc	gatattcgac	240
gactcgcacg	ccggggccccg	gtctgtcgtc	aatgtcgagg	aagcacatgt	tgattctgtc	300
agttaa						306

<210> 10836

<211> 1590

<212> DNA

<213> A.fumigatus

<400> 10836

gtagaccgca	cctttacgga	cagcatgggc	cactttaccc	ggcgattcga	gcagctcttc	60
aacaacttgg	acaagaagaa	ctcgatgaca	gactgctgca	tcgagactta	cctgatgaag	120
agcgagcgga	agttttacaa	catgtacaac	gatgcgcagc	tgaagaaaca	ccatgctaag	180
gagtcatttt	cttcttcggc	cagtcacagag	cagcttgacc	atgagacgca	gtataaccgc	240
ctctcaaccg	ccacggccgg	tccggaccgg	agcgactccg	atgaaatcga	tcgctggcct	300
tccccgctgg	ggtaacggcg	ccctgtggcc	attcagcgat	tcattgcgacg	acggattgga	360
acctggcccc	tatacgtctc	gttcctaggc	cttggacaga	tcattgcgac	caactctgct	420
caaattacct	tgctggctcg	ccaggtaggc	gagacggcga	ccaagttgta	tgtgatcgca	480
gcgatctatt	gcgtctcgtc	aatttcatgg	tggttcattg	acgcccgtct	gccagcggtg	540
attgtctctc	gtctcccatg	gttcataatac	tgcttggcct	ttattgtaat	tggcgtgtct	600
ccctttggac	tgctcggaagt	cgggcgagga	tggtctcaaa	atgtcgtctg	aggcgtgtat	660
gctgtggcgt	cgtccagcgg	ttcgttggtc	ttcgtctctc	acttcggtga	ccagggcgcc	720
gtccctgtca	aggattggat	gttcgcgcgc	agtctcatcc	aaggatattc	acagctatac	780
actgttgac	tatggtactg	gagctccaag	gtcaccgcca	ccgaaattgg	aggcgtctcc	840
accttcgcat	tgagtacctg	gaggctcacg	gccgtgggtg	tgccaattgc	tgcgctatgc	900
ttcgtctatc	gcgtgatect	cgccctgggc	ctgcccgaat	actaccgcca	agcaccagct	960
cggtatctct	tcttctatac	gtcgtctctc	cgccgtcgca	tcgtctctctg	gttctttctc	1020
atggttatcg	tgcagaactg	gttctctgcc	gccgcgttcg	ggcgcaactg	gtcgttctct	1080
tggctctcca	agcacgcca	gacgtgggag	gttgcatctc	tcgtagtcgg	cttctttatc	1140
atcatttggg	tgctcattct	ccttgccctc	cgcgcactgt	ccaaggagca	cagctggatc	1200
ctccccgtct	tcgggtctcag	cttgggctcc	ccgcgttggg	cacaaacgtg	gtggggaaacg	1260
tccaacatcg	gctactatct	cccttgggca	gggggcctga	cgtctgggtgc	catcgtctcc	1320
agatgtctgt	ggctctgggt	cggcgtcctt	gatgagatcc	agcaggttgg	cctgggtatg	1380
atcctcctgc	agaccctgac	aagagtgcac	gtctgctttg	tcctcctggc	tgcgcaggct	1440

gtgggatcgg	tcgctaccat	ctgcgctcgt	ggatttgcac	cgaatagact	cggtccggac	1500
ggtatctcgc	cgaatatcgg	cacatcggta	gataagattg	ccaatgcgtg	gttctggatt	1560
gccttggtct	tccaactttt	agccaggtaa				1590

<210> 10837

<211> 441

<212> DNA

<213> A.fumigatus

<400> 10837

agtccatctt	tatcatcaga	acactcagag	acaacattca	taatgtcaaa	acctctcagc	60
cacatcaaga	tcgcactccg	tcgctccagt	gagcgcggat	atgctgagca	cggcggctgg	120
ctgaaaacat	accacacctt	cagcttcgcc	gactacttcg	accaccgctt	cctcaacttc	180
ggttgccctga	gagtactgaa	cgaagaccgc	gttgctgctc	ggaatggatt	cccactgcat	240
acgcaccggg	atgcagagat	cttcagctat	attctcagcg	gtgagctgac	acaccgcgat	300
agcatgatca	agaaaggagc	ggaagggtgca	caggggaagc	aattctaccg	gatgcgaagg	360
ggtgatgtgc	aattcacgac	gggggggact	ggtaagtacc	agctcctgat	gcattatgat	420
gtggcaatgt	gtagactcta	a				441

<210> 10838

<211> 534

<212> DNA

<213> A.fumigatus

<400> 10838

actctaacca	ggctatcagg	aattgcgcac	tctgagcaga	atgaatcgag	caaaccggtg	60
catttccttc	aaatctgggt	cctgcccttg	aagcacgggc	tgaaccgcga	gtatcacacg	120
atgtcgttca	gtgaagaagc	taaacggaag	gccttcgctc	caattctgtc	gccgttagca	180
gcagggccag	aggcgaacct	cgcagaggaa	gaggctgctc	gtcccaaaat	tccggacaca	240
attcccattc	acgcagactt	tctcatggga	gctggaatca	tcgcgcctaa	cacgacgttc	300
aaatggaatg	ttggagctgg	agatgtagtc	agctcgagga	agaagaggaa	tgtatatatc	360
cacctgcccc	tgactaaaca	gggcaaagcg	aagatcaagc	tagatggaag	ggaagacgcg	420
gtgttagaag	aaggcgacgg	tgcatttgtt	actggagtga	acgctgggga	tatgcttgca	480
gtggaaagta	ttggggaggg	tgaggctgag	gtgattgtgc	tggacagtaa	ttga	534

<210> 10839

<211> 516

<212> DNA

<213> A.fumigatus

<400> 10839

acgacatcgt	gtgatactgc	ggtttcagcc	cgtgcttcca	gggcaggacc	cagatttgaa	60
ggaaatgcac	cggtttgctc	gattcattct	gctcagagtg	cgcaattcct	gatagcctgg	120
ttagagtcta	cacattgccca	catcataatg	catcaggagc	tggtacttac	cagtcccccc	180
cgtcgtgaat	tgacatcac	cccttcgcat	ccggtagaat	tgcttccctt	gtgcaccttc	240
cgtccctttc	ttgatcatgc	tatcgcggtg	tgtcagctca	ccgctgagaa	tatagctgaa	300
gatctctgca	tcccgggtgcg	tatgcagtgg	gaatccattc	cgagcagcaa	cgcggctcttc	360
gttcagtact	ctcaggcaac	cgaagttgag	gaagcgggtg	tcgaagtagt	cggcgaagct	420
gaagggtgtg	tatgttttca	gccagccgcc	gtgctcagca	tatccgcgct	cactggagcg	480
acggagtgcg	atcttgatgt	ggctgagagg	ttttga			516

<210> 10840

<211> 219

<212> DNA

<213> A.fumigatus

<400> 10840

ccgctaacca	ccgcgcgcgt	cgcccttccg	cgcgcgattc	cactttacgc	caaccaagtt	60
accaacagcc	agagtcgatt	ccctaacaga	agactgctcg	attttcggga	ccttttgata	120
ccacctctcc	tcaaccatca	aatcaacatc	atcatacata	cgaggcccta	tatacccact	180
gcgttcggaa	cagacctttt	ccatacccca	gattttctaa			219

<210> 10841

<211> 1293

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1245)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10841

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caaccagagt	cagaaaatac	ccaagattct	gttgggtccc	aaagccccgg	atcaccgccc	120
gtccgcgcag	gaagtccacg	gtcgctgaa	cagcagagcc	aggatggaga	caaccaggaa	180
attcccaata	tagagaccac	cccgaaaagc	ggggaaaatg	gagaaggatc	acagaagaga	240
cagcgggttc	gcttccggtc	cgccatcagt	gtcgactacc	cacagcccgg	tgggtccgaa	300
agcagcgaag	atgaacgctc	tattcaggag	aagcaaaagg	ctcagcgtga	ccaagcgcaa	360
cgccagggcc	agccacatct	catgtccacg	ccctacgttc	atggatccct	agacgtcaca	420
gaaacccttc	tcaaggagcg	gaccacccaa	gaagaccttc	agcaagcgga	aaagactcca	480
gtggataaga	aaccggacgg	tattggcgca	gcagcagccg	tcggcgatgt	cagtcgcaca	540
gctaaggaca	aactgcgatg	gctgtgggat	acagtgcacg	gcaagttgtc	caagtggagt	600
gatcggctgg	gacgccctga	acgaggtggg	gatgacctag	gacccggtgt	ctaccacaat	660
gaatggacat	caggcggcaa	cgcgctctg	ggagatttga	ctgacaacaa	gcacaagact	720
cacgaagaaa	agaagtcaca	tcaagcaacg	tccacgtctg	aagcgcaccg	ccttgtgctg	780
gagctgacgc	aggaccagtc	tggtaatcgg	cgcaagacgc	gggggaagcc	ataccacac	840
accgacacgc	agggcgggaca	gggcgcccaa	ggaaacaatg	caatcgagtc	ggggctgcgg	900
tatcgagccg	gggggtggggg	tgttctggcg	cagctgatga	aactgaatgg	tggcatgcaa	960
caaggagggc	aagctggaca	agctggacaa	ggtgggcaac	ggtcacccctc	tgacaccggg	1020
acctcagggg	ccacaactcc	gaagaaggaa	aagttaaagt	ggtacaagaa	taaacagcat	1080
acccggtcca	cgtcgacgct	ggttggcgct	tcggggagta	tgagtgccgc	gagcaccocg	1140
gtgtctagcg	aggttctctc	tgccgcgtcg	aagcgccttg	gtggacagca	gttccagcat	1200
gggggaaggg	gccgactgga	ggaccaaatt	caagttgacg	tgcanaatcg	ggagatcatg	1260
cgcgcccgcg	gtacattatg	caactggtgt	tag			1293

<210> 10842

<211> 528

<212> DNA

<213> A.fumigatus

<400> 10842

ggtcggacac	aactaccaag	caagagtcca	agagacacca	atctcattga	ttgcaacatg	60
aagctcgtct	ggatagccca	ggcctcggc	cggcaaggcc	aacgacgcaa	ggtagcccgg	120
atcgcttcat	ccctcttctt	catagtcgcc	ctcacggcct	tatgtctcta	tatcctgctc	180
gcataatttc	tggcaaatga	cccacggctg	gtgcccgtgg	cgttccaaac	ggcccggagt	240
atcctctctg	taaccgcccc	cccggacgac	gaaactctct	tcttcagccc	gagcattacc	300
taccgcgcg	atgatccgca	cgtgcagcgg	gctttgctgg	tgatatacct	tgggtgggtta	360
gacattcatt	cctaccgact	gatgctgact	tgtctaggaa	attatgaggg	aataggcgag	420
cgtcgccagc	aggaaatoca	cgacagctgc	tccgtgctgg	ggatcgttcc	agatcgctgc	480
gtcgtcctgg	gtcttcacca	ggggcggaag	ggtccgcgcc	atccacgc		528

<210> 10843
 <211> 510
 <212> DNA
 <213> A.fumigatus

<400> 10843
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 aactcctcta cctcaacgac gtctacttcc acccgcgcga cgccctccag ctctcttctt 120
 gcacaaacgc gcatcccccg cgcactgccc cggcctaccg cgccgcctgc gccgtcgact 180
 tcagcaaccc cttcaaattc tacgatagct acgccaccgc cgatctggcc gggtagcgca 240
 tcggcctccc gttcttcccc tggttcacga gcgcagggca cggacggagt cgggaagacg 300
 tgctggcggg ccgggacgcg gtgcgcgtgc gcagctgctg gggcgggatg gtcgcgttcg 360
 atgcgtcgta tttccagcgc gcaaaccccc tgccgttccg ggccgatgac gaggtcttct 420
 gggatgcgtc ggagtgcgtg ctgggtgcatg cggatgtgca ggatgcgccg gaggatgtcg 480
 acgcgattcc ggccacgggg gtgtatatga 510

<210> 10844
 <211> 435
 <212> DNA
 <213> A.fumigatus

<400> 10844
 cgcgctggta cagctaattc accttctcgg ccagacaaac gtcttctctca gcctgtacga 60
 aaacaacagc gggccaaaag gccagcaagc gctggaggcc ctgcgcgagc gaatccaaag 120
 caacaagtcc atcgtgggtg atgtcgacaa gcacaccgcg ttcgacgcct tccccgcgct 180
 cagctcctcc gatggccaca aacgcataca gcgcacgac tacctagcca cgctgcggaa 240
 ccgcgccttg cggccctcgc acgagccgaa ccacctcagc tacgacaaac tcctctacct 300
 caacgacgtc tacttccacc ccgtcgacgc cctccagctc ctcttctgca caaacgcgca 360
 tccccgcgcg actgccccgg cctaccgcgc cgcctgcgcc gtcgacttca gcaaccctt 420
 caaattctac gatag 435

<210> 10845
 <211> 1848
 <212> DNA
 <213> A.fumigatus

<400> 10845
 ttgtgtccga cctcaaacga cgaattcatg aatcattcca cggccagggt gttgcccttt 60
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 gggccggttg ctttgcatth ggctagaaaa actaccaaac tcttgacagc cttgatgagt 180
 ttttaagttag cgcttccgaa tgtctctgga tgcgcgaatc cagcagcgca aaatccgtct 240
 gcctacagga ccctgtcgtt tgactttgat ggcgttgccg acataacaga ctgtcttggt 300
 tgccctgcag tagctcggcc gccaaagaga ataccctcaa aattgcgact aaatcgggtc 360
 ttttcggtgc agaaattgag cggaggccgt gttcaaccgc cgacaatggc atggctgcgt 420
 gtcgagtttc ggctgctggt ctccaggctg ctcccgttcc cctcgtcagg gtattccgtt 480
 ctgccccagt cctcacgctc tggtagagca gtctcctttg cgcagagtcg ccgggcccgcg 540
 tgccgctgtc tcacctgctt tgtccggatc ggtctggttg tctgtctgtg caacatcata 600
 ttgacaccca tcttctggcc ttcgtacacg cacttccac cttgctatga gaatctccag 660
 acgatagcct caaactcgga ccccccgga cggggcaaca cccacaatga aaaggatttc 720
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 ctggtacagc taatcgacct tctcggccca gacaacgtct tctcagcct gtacgaaaac 840
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 gccctgcggc cctcgcagca gccgaaccac ctacgtacg acaaaactct ctacctcaac 1080
 gacgtctact tccaccccggt cgacgcctc cagctcctct tctgcacaaa cgcgcacccc 1140

ccgcgcactg	ccccggccta	ccgcgcgcgc	tgcgcgcgtc	acttcagcaa	ccccttcaaa	1200
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gaggtttggg	tgcgcgaaga	gggattacac	aatgggtggc	cgtttcgact	ggtggaggtt	1740
acggcgggca	atgatgggtt	ctgtgggtcga	cgggggatgg	aggtgggtgt	ggaagataga	1800
cgacctgggc	aggatgggtt	cgaagctgta	ccgctccctt	ctcgatag		1848

<210> 10846

<211> 195

<212> DNA

<213> A.fumigatus

<400> 10846

acacacttgt	caactctgct	cgccattatg	cagctcaaac	tcttcgctct	gaccctggct	60
gcggccgtct	ccatggtcaa	tgggtacccc	atcactggca	acggagtcaa	ctgccgtgcc	120
ggtccctcga	cgaacgataa	ggtgatcaag	tcatacgcca	aggggaccga	tgtcacgctc	180
tcttgccaga	cctaa					195

<210> 10847

<211> 369

<212> DNA

<213> A.fumigatus

<400> 10847

cttgatact	tgctctacag	gaaagcaaat	gctattggtc	gttccagcaa	gactgtgcgc	60
gagttccttg	agcgggaatca	ccaggacgat	atggaccggg	aacagacgat	ccagcttacc	120
atcaagtgc	tgtcggaggt	ggtgcagacc	ggcgccaaga	acatcgaggt	ggctatcatg	180
gtcccggtg	agacgatcga	gatgttgccg	gacgaccaga	tcgaggcgta	cgtcaagagt	240
atagagacgg	agaagcaaga	ggaggccgcg	aaaaagaaga	ctggccggac	cggaaccaca	300
acggcggcca	tcctgacgcg	gcccgggtgg	ggagagactg	gggagtcgac	ccgggagtcg	360
gccgactga						369

<210> 10848

<211> 450

<212> DNA

<213> A.fumigatus

<400> 10848

agactcccct	ccccatgga	ccctccagct	gggttcggca	tgggcccaca	ctccatgacc	60
agcacccttg	ctcctggtcc	ctttacttcg	gcagccgggtg	gatttggtgg	gttcaaccag	120
caattcgcag	cgcccccaa	caactatgct	ttaccgtcgg	gtcttggtag	cgccctggg	180
gcctatccac	caatgggtca	gatgaatgcc	gcctatggct	ccactagtgc	ctcacacacc	240
acctcgtctt	tctccaaccc	tgccacccag	gctgctttca	gtggagctga	tcacaccacc	300
tcgacgagca	cctcgaacgg	cggattctat	gcgacagacg	gacgcaatga	tccctttgcc	360
ttcctttcaa	ctggtttggg	cggcttgacc	gtatctgacg	atgcccactc	tcgcgcta	420
ggcactggcg	ccagcaagtc	ccctgcttaa				450

<210> 10849

<211> 423

<212> DNA

<213> A.fumigatus

<400> 10849

ataggaacct	gcgctgtcgg	agtcaagggc	aaagatgtcg	tcgtcctggg	ttgcgagaag	60
cggctctgcc	tcaagctcca	agataccgc	attacaccat	cgaagattgc	ccagctggac	120
aaccacgccg	ttctcgtttt	tgccggactg	aacgccgacg	cccgtattct	cattgacaag	180
gccagattag	aagcccagtc	gcacagactg	accgtcgagg	accccgttac	tattgaatac	240
atcaccaa	acattgctag	tgtgcagcag	cggtagacac	agagcggcgg	tgtccggcct	300
tttggtatca	gtactctggt	tgtaggattc	gatccaaatg	ataaggtgcc	tcgactatac	360
atgaccgagc	cttcggggat	ctactctgct	tggtatgtgg	cttcttggct	gggaggcgag	420
tga						423

<210> 10850

<211> 498

<212> DNA

<213> A.fumigatus

<400> 10850

ccaggactaa	tcctcgcctc	cgtcgcggca	aggaacccgg	tgcccatcac	cacccccgtg	60
gccccaaagg	agagtgcgc	cgccgcgcca	cgcccgcccg	cgattccccc	agctgcaa	120
acagggatat	gcgcgggaag	acagtccatc	atctcgggga	ggagggccat	aacccccaga	180
ccgtcattgg	cccgcccgtg	tccgccggct	tctgccccct	gcacgacaat	cacgtcgggt	240
tcttcaactc	cctgtgcgag	ctccctggct	tcggcgagcg	tgccgatctg	gatccagatg	300
cgcgtggatg	gggatgcatg	ccggatccgc	cgggaccagg	tatctaggtc	tttttgtccg	360
tggcgggggg	cgaagagcca	ggcggcgag	ggcttgtatt	tgcttatggt	ggacatggcg	420
acttcgaggt	cgtcgtccca	cagttggaag	ccgatgcccc	cggggagaat	gggttggttt	480
tgtagtgcgc	atggttga					498

<210> 10851

<211> 1128

<212> DNA

<213> A.fumigatus

<400> 10851

cttgtatccg	cccacgaacc	acttctcctg	cgcaaaccac	caaacaagat	gtctccactc	60
attacaacca	tctcgcgttc	atatccatgg	atgaaaacgc	cattgatcgt	cagtgtcccc	120
atcggggtca	cgtccggccc	caccctggct	gttgcagtct	cccgcgcagg	cgggctagga	180
ttcatcgggc	cgggcgtcaa	gactcaggat	atcagctccg	atctccaaac	agcatcaagc	240
ctgatagaat	cgtgtctgc	atcccagtct	caaccatcgg	cactacaaaa	ccaaccattt	300
ctccccgtgg	gcacggcctt	ccaactgtgg	agcgacgacc	tcgaagtcgc	catgtccacc	360
ataagcaaat	acaagccctg	cgccgcctgg	ctcttcgccc	cccgccacgg	acaaaaagac	420
ctagatacct	ggtcccggcg	gatccggcat	gcacccccat	ccacgcgcac	ctggatccag	480
atcggcacgc	tcgccgaagc	cagggagctc	gcacagggga	gtgaagaacc	cgacgtgatt	540
gtcgtgcagg	gggcagaagc	cggcggacac	ggcggggcca	atgacggtct	gggggttatg	600
gccctcctcc	ccgagatgat	ggactgtctt	cccgcgcata	tccctgtgtt	tgcagctggg	660
ggaatcgccg	acgggcgtgg	cgcggcggcg	gcactctgcc	ttggggccac	gggggtgggtg	720
atgggcacgc	ggttccttgc	cgcgacggag	gcgaggatta	gtcctggtta	ccagcgggag	780
attgtgcggg	ccagtaatgg	ggcgggtctc	acgacacgga	cgttgctgta	caaccggctt	840
cggggcacgc	tgggctggcc	ggaggagtac	agtcctcgga	cgattatcaa	caagtgcgtt	900
atcgagcatc	aggcgggtcg	gccgtttgaa	gagctgaagg	cgcttcatga	tgaggctctc	960
aaggcggggg	atgctgggtg	ggggccggag	ggtagactgg	cgacgtatgc	tggggctgcc	1020
attgggctga	ttcatgatgt	gaaggacgcg	gagacgattg	tccgggatgt	gcaagaagaa	1080
gttttacaga	ggctttcgaa	tgtgcagaag	gctaattcgg	cgcagtag		1128

<210> 10852

<211> 189

<212> DNA

<213> A.fumigatus

<400> 10852

gcatactgt	ttgtttactg	ggtttgggat	acaaccaaca	gccagaagaa	tcgttttcgt	60
cagcaagagc	gtggtaccat	gttctctcgg	aagactttcc	ctcagctccc	atggcagacc	120
ctcaagaacc	ccaagaccat	cactgccgcc	gatggttcca	agatcctcgt	tgatggatgg	180
tgtaagtga						189

<210> 10853

<211> 297

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (32), (52)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10853

acgccggtaa	ccgagatgca	gaaaatagcc	gnttatgaca	aggattcttc	cntgggcgtg	60
gattacttgc	tctccctgcc	cacttgcaat	ggccgggtag	gcgcaacggg	tatgtgcttg	120
ggtggtcatc	ttgcgtaccg	atgtgcgttg	gacagccggc	tcaaggcggc	tgtgtgctac	180
tttgcgacgg	acatccacag	caagaccctc	ggcgcgggca	agcacgatga	cagtttggct	240
agagcgggcg	atatcaaggg	agagcttctt	atggtgagtt	tgatttcac	tagttga	297

<210> 10854

<211> 477

<212> DNA

<213> A.fumigatus

<400> 10854

catatctgtt	tgtttactgg	gtttgggata	caaccaacag	ccagaagaat	cgttttcgtc	60
agcaagagcg	tggtaccatg	ttctctcgga	agactttccc	tcagctccca	tggcagaccc	120
tcaagaaccc	caagaccatc	actgccggcg	atggttccaa	gacccctcgt	gatggatggt	180
gtaagtgatt	tgtctcgtca	aaggagcacc	cagacaaaaca	tgctgacttt	tggcacagat	240
ggcaaggctc	gtaaaatcca	ctacacatgc	gatctttatt	tcgccttgaa	ctggggccttg	300
attaccggct	tcagcagtc	attccccctg	ttctatccta	tttttttcgc	gtgcatgac	360
actcacgctg	cgctgcgtga	catccagcgc	tgccggaata	agtacggcga	agcctgggta	420
gagtacgaaa	gacaggttcc	atatttggtc	atccctgtaa	gctattcctc	atcttga	477

<210> 10855

<211> 267

<212> DNA

<213> A.fumigatus

<400> 10855

tacgcagcgg	cttttcgggt	caagaagagc	aatattacta	actcacctac	atctgctcct	60
tactttacag	caggaaactt	tatattctcg	atgtccatcg	gcggttcact	tcgattcatg	120
tatatcatta	gattggctac	caccggccgt	cacttgggtt	ccttcctggt	acttttctcc	180
ttctgtttcg	attattctta	tctctgtccc	ttgataaaga	ggtttatgac	cctagcgaga	240
ctctatcgct	tgaatgataa	tgtataa				267

<210> 10856

<211> 213

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (94), (203)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10856

tggttcagcga gatctaccaa ggtgcgtaca cggcttcgcg cgattgacgg cgccgaaact	60
gactgtgagc tagtgactgg acctgtctcg cggntcgcca gacagattgc gggccagggg	120
tacatctgtg ctgcgccgtc cagctatcac gaattcaccg gtcctgagcc actgcaatac	180
aatgctgaag atactgacaa gngaaccaa tga	213

<210> 10857

<211> 840

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (78)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10857

ctcaacgttg ttcttcatat agatttcagc atgttattct caaggtctgg tcgatcgata	60
tttctctctt tgccaccnta cgcagcccac gccccgaatc cgaaccaggg gcatataatc	120
gctttacctc cggatgggtc cacccttac tttggcctca gggctcgctt atcgcaagta	180
tggatcaatc gatggacgat cctgctgctt cttgtgctcg tcagagttct gctggctgct	240
tcaggtctgc aggcagacat gagcacagcg aaacgggaag ccttatccgc ttgcacgagc	300
gtcgaatcca tgggtagctc gatggcttct atgccccatt atctatccca aggtgtcaac	360
gagctaacgg caaccggagt cgaaaaggct gtgagcggcc tcaaatacat gctgatgctt	420
accatcactg gcgtcgaaga actggtcctc ttcacatca aagtgtgtga ccagacttat	480
ctgtgtcttt tcacactggc ggtagaggc agcgtgcatg ttgcggtggg cgtgattaaa	540
gaggccgcgg actttttgaa ttccactgtt aaggaggtcg gagacgacat tggcaaagcc	600
gtcagcacgt ttgaaagtgc attcaacaag tttcttgatg gtgtgaacac cgtcgccagt	660
gcttttggag ccagtgtacc aacggttgac ctcaacagct cgatcagcac tctggagaac	720
cttcagctgc cttcttcaat tgatcaaggc cttgacaagc tcaatagtct ccttccgacc	780
ttogatgaag tcagtcttca ccacggggct ggaaggatcc gacggaggac gaaagtctat	840

<210> 10858

<211> 486

<212> DNA

<213> *A.fumigatus*

<400> 10858

gaccttctgt atcgacaacg aggtatggat gctgtgattg tccagaaaac aacgcggata	60
ctgactgggt cacaggctct gtacgacatt tgcattgcga cccttaagct ctctaaccac	120
tcttacgggt acctgaacca cctggtctcc gccgtcatgt ccggcgctac cacttgctt	180
cgtttccctg gtcagctcaa ctctgatctg cgcaagttgg ccgtcaacat ggttcccttc	240
cctcgtctgc acttcttcat ggtcggcttc gtcctctga ccagccgcgg tgctcactct	300
ttcctgtctg tctccttcc tgagttgacc cagcagatgt tcgaccccaa gaacatgatg	360
gctgcttccg acttccgcaa tggacgttac ctcacctgct ctgccatttt gtatgttact	420
acacctgcgg ccattatgca cgtctctgt actgaccata atttagccgt ggtaagggtt	480
caatga	486

<210> 10859

<211> 276
 <212> DNA
 <213> A.fumigatus

<400> 10859
 aggaggtcga ggaccagatg cgcaacatcc agtccaagaa ccagagctac ttcgttgagt 60
 ggattcccaa caacatccag accgctctgt gctccattcc ccccggtggc ctcaagatgt 120
 cctcgacctt cattggtaac tccacctcca ttcaggagtt gttcaagcgt gtcggtgatc 180
 agttcactgc tatgttccgt cgcaaggctt tcttgcatgt gtacactggc gagggtatgg 240
 acgagatgga gttcactgag gccgagagca acatga 276

<210> 10860
 <211> 471
 <212> DNA
 <213> A.fumigatus

<400> 10860
 gccaacggtg acaaatatgt tctcgtgcc gttctggctg atctcgagcc tggtagcatg 60
 gacgtgtgcc gtgcgggtcc ctccggcgag ctattccgtc ccgacaactt cgtcttcggc 120
 cagtcgggtg ctggtaacaa ctggggccaag ggtcactaca ccgagggcgc cgagttggtc 180
 gaccaggtta tcgatgtcgt ccgtcgtgag gctgaaggct gtgactgcct ccagggcttc 240
 caggtcaccc actctctcgg tgggtggtacc ggtgccggta tgggtactct tctgatctcc 300
 aagatccgtg aggagtcccc cgaccgtatg atggcgacct tctccgttgt tccctcccc 360
 aagggttccg aactgtcgt tgagccttac aacgctacct tctccgttca ccagctcgtt 420
 gagcactccg atgagacctt ctgtatcgac aacgaggtat ggatgctgtg a 471

<210> 10861
 <211> 366
 <212> DNA
 <213> A.fumigatus

<400> 10861
 tttagccgtg gtaaggtttc aatgaaggag gtcgaggacc agatgcgcaa catccagtcc 60
 aagaaccaga gctacttcgt tgagtggatt cccaacaaca tccagaccgc tctgtgctcc 120
 attccccccc gtggcctcaa gatgtcctcg accttcattg gtaactccac ctccattcag 180
 gaggttgttc agcgtgtcgg tgatcagttc actgctatgt tccgtcgcaa ggctttcttg 240
 cattggtaca ctggcgaggg tatggacgag atggagttca ctgaggccga gagcaacatg 300
 aacgatctgg tctccgaata ccagcagtag caggacgctt ccatctctga gggtagaggag 360
 gtagtag 366

<210> 10862
 <211> 603
 <212> DNA
 <213> A.fumigatus

<400> 10862
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 ttctcgaacc ctgagacatc cctcaagcgc tacaccgata ccagcgttct gattcaggag 120
 ttcattggaa atgccccctc ctccagagcgc gctgcattg ccctcgcgcg caccgccttc 180
 ctgcacactg gctaccgtgc cgcgggcaaa atccaagaag acgacatgct gtacacgctc 240
 ggctctcttc ccattcagcc cgtgcgtttc atcgaaaagt tcgaatggcg cacgttgagt 300
 gacatggaga aatgcgcctt gggtagcttt tgggaagagca tcggtgacgg gctggacatc 360
 agctacgaga acctcccgtc aagcaagacg ggattccgcg acggtctcca ctggttgagg 420
 gagatcatgg cctggagcga cgagtacgaa gttcgaagca tgcttccgga cgtgaagaac 480
 cgcgagacag ccgaccagac cactgccgtg ctggtgtaca tgatccccgg cccgttgcag 540
 cctatcgggc tgaagttcgt ttcgttcatg atggacgac gtctacggaa ggccatgctg 600

taa

603

<210> 10863

<211> 1884

<212> DNA

<213> A.fumigatus

<400> 10863

cgggggggga	ggccattaga	gagatccgaa	taccatattt	ccaaccagca	gcatggggcg	60
gatgccgaaa	tccaagaaac	aaaaccccc	aaccatgaac	ctactccatc	tcagattctt	120
cgggatgcgt	tgatgggaac	tacagaactg	tgcgcacaag	aaccgtcaaa	gcaggacctg	180
gacgaccatt	tgaacgaagt	gttcttaggc	gaatggcgcc	tgtctgctcc	acctttgtgg	240
agctctttcc	gcccaaaagc	cgccggactt	gatagggatg	tgttttccaa	aggtctcgag	300
gatgatgtgc	agaatcttca	tcagctacat	atcttcatag	aaagacacct	taatggacaa	360
gggtttctgt	gattatggct	ggtagaacat	tgtggtcttc	tggcacaggc	gctggaacgt	420
tgtcaacgac	accactcggc	ggcagagatc	cttgtcgcta	tcaatgcact	cgtttcaaga	480
ctacggagat	tgcagacgat	tgtaccttgg	gagttacacc	tactgggcat	gtactacgca	540
tgtctttctt	actctgcagc	tgcctcgaa	cgacatctga	gagatttacg	tgctgtcaag	600
ctgaatccgt	ttggtttggc	cacgagtcct	cccctggtag	atgcgcttta	catgtccatc	660
cgatccttcg	agcttcaggc	agattatcca	gataccgggt	cgatgctcaa	acaagtgact	720
ggcgagcctt	gtgtcaatga	tgcctcagaa	gtcactttac	actccttctt	gtcctgggct	780
agtcggggaa	aagcgaagt	tggacgttat	tttagattgc	tcgtcaagct	aaagagcctt	840
gaattgcttc	agagcgtatg	gggggatctt	gtgcgccttt	tggagcccaa	agcacccgag	900
cgccgtttcc	acgatgctta	ttcctgtata	atggctctgg	ttgtcgaagg	agatgtcacc	960
agggccacca	ggtatctgga	agaaatctcg	aagcgcgctg	gtaacgtcct	tccttatata	1020
tcagggttca	aagacctgaa	cgtacttctc	gccaatcaag	aagtttgca	gttgctatct	1080
cgtctctgtg	gcggggatga	atacctcaag	atactcgaag	tctacctoga	acacatggag	1140
aggaggctag	ggatcaaagt	gctgcccga	agatctcttc	acactagtat	atctaattct	1200
agttacaatg	cgaccggaca	gcctcttctt	acaatggatg	gagacagtag	tggatacgaa	1260
agcagcgaac	gcttgattgc	cgaaatgcac	gctttaggtt	gttctggatc	gctttcagat	1320
ctcatcagac	ttgccaatg	cttagatgag	catggagggtg	aacatattcc	ggttggttcaa	1380
tcateggctg	aaaatacacc	tctagagctg	gcctgggtac	ctcaacgctg	ccccgtcgat	1440
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ggtttgattc	ggctcgacct	tgaatatgcc	gggttgacac	cggcagatac	tcgctcgctg	1560
cacttgatgc	agttgggata	tctgattata	aagcccaag	catccaatgc	ggagcacgaa	1620
tggagagaat	cgggccatat	agtagcctg	gaccgctctt	caggccaact	cttcgcagtt	1680
tttgtgggga	aaggtcaggc	cccaataagc	gcgggcatcc	agtcgcatat	cccacgaatg	1740
ccattcgatc	tcaaatcgat	aatgaaaatc	gaactgcgaa	gcgacttagg	cgggaactcat	1800
cagggggaca	atcattcgtc	accgatattt	gatatcaccg	aatgctatct	tgatgtggat	1860
ccttgtaaag	atctggtgat	ttga				1884

<210> 10864

<211> 276

<212> DNA

<213> A.fumigatus

<400> 10864

accgtcggcc	cggtgaggta	tgagatctgg	gatgtcagcg	gcaagcagaa	acccactgtt	60
ctggcttcga	gggaattcga	tgacatcgat	gccgcgatca	tcattgttcga	tctgactgat	120
cgggtttcgt	acaacaatgt	gcccaattgg	tatagtatgt	acatcaccaa	ccatgttgag	180
gtagcgctga	cgggaattgtg	cagagagcct	cgtaaacaag	gacggcatgc	gccttgggaa	240
gtatattccc	atttgcattc	gtgggaacaa	aatga			276

<210> 10865

<211> 1218

<212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (1197)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10865

tgggcataca	atggatgttt	ggtatctgac	tggttcgcta	ctaaatcctg	tgcaccatca	60
atcaatgctg	ggctcgacct	gaaaatgccg	ggtccaacaa	tcctgcgtgg	tcaaaagctt	120
gtagcagccg	tcagggatgg	tgttggtgac	gaaaaagccg	tcgatgagtg	tgtttctcga	180
gttcttgctc	tggtcgagaa	gacacgagag	tcgcactcac	tggaaaccga	aaggtctgag	240
atcatcccgg	agacgaacgc	actagccctg	aaaatcgcat	cagaggggcat	tgtccttctc	300
aaaaatgagc	aggggtgtctt	gccgctggac	atgctgcgtg	ctccgaagat	tgcagtcctc	360
ggtgtccccg	ccagtgaagc	cgctcgtgagc	ggcggaggga	gtgccagtgc	gccgccgcag	420
tacctacaaa	agccactgga	ctatttgaga	gacgctcacc	ccttccttct	tttggtgaaa	480
tatatccgag	gggtcaatac	aaacagaatc	atcccgatag	taccgctaga	ttgcactacg	540
tccaggaatg	gcagccccgg	ttttgacgtc	gcttattata	acgaggattc	tgatatacct	600
gtgtacacgg	aacaccagaa	gactccgggtg	gtcgccatgg	ttcgaaactt	gaagcccggg	660
ctgacggagc	cgggcttcag	ctgcgagatc	tcaactacca	ttacccccaa	gacaaccggc	720
ccacacacat	tagccgcccg	cgttacgggg	agttttctct	tatttggtga	gagcaaagct	780
gttcttttcg	tccccaaaaca	acatgaagtg	acaatggaag	attttctttt	cgagcccgtc	840
cgcctggaac	accgcacttc	cgttttcatg	gaggctggaa	agccttactt	ggtgcggctt	900
ctgagtcggg	ctcgtatccc	gagagaaaat	gactatgaac	ccactcctca	cgggtgcaacg	960
ctgtgctatg	aggaattcag	tgatgagcgc	gctgcgatag	ccgaagccgt	ccaggctgct	1020
ttttcagcag	atgtgagcat	catatttgct	ggtcgaaatc	aacaatacga	atctgagggc	1080
ttcgaccttg	agtcctatgag	tatatccgaa	ccccaggtaa	ggctcatcag	agctgtcaca	1140
gcagtttcca	agaagaccgt	tttagtcctt	aactccggca	atccggtttt	taacacnagg	1200
ccagaaggaa	ccgatctc					1218

<210> 10866

<211> 558

<212> DNA

<213> *A. fumigatus*

<400> 10866

ctcgtcgact	cggtgaacgg	ggtcaagggg	tctgaacttc	accacgggtg	cccaacggcc	60
atttttccaa	gctcgacctt	gtacggtgcc	acttggaaca	atacactcat	ggaggagcta	120
ggaagggcat	tggcgtacca	agcgaatttg	aagtctgctc	aagtcattct	tggaccaaca	180
atcaacattc	accgcgatcc	tcggggagga	aggaattttg	aatgtttcag	cgaagaccct	240
cttctgtccg	gtcagcttgc	ggccggcgct	gtgcgcggaa	tacagtcaca	aggcgtcgct	300
gcttgtccga	aacattttgc	ttgcaacgag	agtgaattca	agaggcggga	gtacagtgtg	360
gcacagtctc	ataacagccg	tgctgttcgg	gagatatact	tggctgcttt	ccaggagatg	420
ttgaggagaa	gcgagcctca	tggcttgatg	gtaaggtagc	tatcaaggcc	gtcttcctcg	480
gtgtacatat	tgctactaca	cgtcttcgat	gtttattgga	tgatttttct	gatgcctgcc	540
atagctacaa	taaactga					558

<210> 10867

<211> 402

<212> DNA

<213> *A. fumigatus*

<400> 10867

tctatcagct	gggggttgat	aacaactggg	tacagctgtc	caaatatgca	ggtcaaatca	60
gaatcctcag	tccccgtaat	gggtaacctc	aagactgtga	acgccacggg	cgatgaagta	120
ttcgacctct	ctcgagctgg	gacgccaaagc	tccaagatg	agagtgtctg	agaggacgct	180

gcaccctcag	tgcaaccgaa	ctttacctct	ctgctaccgc	aattgaccct	ggaggagaag	240
gttggcttgt	tgtcgggaac	ggatttcgtt	cactctagcg	gagtctcgcg	attgaacatt	300
cctcctttaa	aggtatatga	atcctcagcc	atggccagcg	ctgtgcgttc	gattgtacag	360
ctaacatggc	ttccacgata	gtctagctcg	tcgactcggt	ga		402

<210> 10868

<211> 2064

<212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (1837), (1903), (1944), (2041)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10868

tgcaacgggg	aagtggatat	ttcgtctctg	gagcttatct	tctggttttg	gagcgcaggg	60
ttcatgcttg	acgaaatcgt	tggcttcaac	gaacagggct	ttagtctata	tctcatgagc	120
ttctggaacc	tgtttgacct	cgggattcta	ttcctgctct	tctgctatta	ttgcatgcgg	180
ctgtatggtg	ctctgatgcc	cagcccatac	aatcacgcga	ttgccgacag	agcatatgac	240
atcctcgccg	ccaatgcggt	tctgctcttt	ccccgactct	tttcggctct	ggatcactac	300
cgatatttct	cacagttgct	tattgcgttc	cgcataatgg	cttcggattt	ggttgacgtg	360
tttcttctgg	tcgccattac	gtgtagtggt	ttctttgtcg	ccttcactct	atcatttggc	420
aacattgaag	agcatacccc	tgcgtctggt	gcttatgccc	tcttcagat	gttgatggga	480
ttcactccgg	ctgcgtggac	gctctgggac	gattacaaca	tcctaggcaa	gatcattttg	540
acactcttcc	tgtttatctg	tcactttggt	gtcgtgacga	tccttattac	tggtctgacc	600
aattctttca	tggcaattgt	gcaaaatgcc	aatcaagagc	atcaattctt	gtttgcagtc	660
aatactatct	cgatggtcaa	atcggacgcg	cttttctcct	acgtcgcacc	cactaatatc	720
attgcgtggc	tggtgacgcc	gtcccggtat	ttcatgcctt	taagacaatt	catccgactc	780
aatcgcaact	tgatcaaaat	cacacatttt	ccggtcctct	tcaccatttg	cctttacgag	840
aaggcgatcc	ttagtcccag	agttaatgag	ccgattgatc	tcatagatca	ttcgaatcgt	900
cccagcgctt	tgtctcgcag	tcggggccgt	cacggctcgt	tcaaatacatt	caatcctcaa	960
gctcctcgcc	ttgtacgaga	accatcagtg	gcaacgtatc	agaaagaccg	cgctcttgaa	1020
gaagttttcc	ggaatccatt	ggaggagaca	attcggcgct	cgccgaggct	gatgcaacag	1080
agaaagagca	acaatattgt	tagcaactgg	atgcaagcta	tgggatctgg	ccctgtacac	1140
cctcccgacg	agcaggactc	ggatgaactc	gatcgattgg	agagaccccc	tcggaggtct	1200
cgattttccct	ttcgagggaag	gaccacagga	agtctccgcg	attttaaccga	ttccaaccgt	1260
tctgccacat	cagatcctga	agggcatttg	ggtcatattg	tctcatcacc	tgccacgcca	1320
cgtcgtgaga	gagccaacgt	gtctccggcc	aggatacgac	agctttctca	gcacacggac	1380
attgaaggcg	acgatgagtt	aaccagcgat	gatacagaag	ttcgtcgttc	gaatccttca	1440
agttctgaca	gaaacggcgg	tgtgagtcca	ggtaaagcaa	caccgaagtt	ctacagctcc	1500
cggccctcca	cggcgagagt	caaatacagc	aaaaacagtc	cttctcggcg	tcctaagttt	1560
cacacgcgga	attactccgc	cgcgacaatg	ctttacaacc	ctgtccctct	ggtcagcaac	1620
gacgaaggaa	ccgacgtgtc	tcctgttccc	atcagaccga	gagcggagac	gccttcagca	1680
ggggatgatg	cagccactgc	aacttccgta	gaccaatgga	tgacacagaag	gcatagtttg	1740
gatgttgagg	tttctcaaaa	cgtggctttg	gccaggtcaa	atcccatgtc	tgtacctgac	1800
ttgggcagct	tcttacaac	caaataccaa	caccgngtc	gccgtcaggg	atccattttg	1860
tatggactgg	gctctgacct	tggcgacaat	cgggcaattg	canatggatt	cttgggctgc	1920
tttgcttgca	gcttcacgac	gcanatggaa	tatgctgcgg	gtggcatccc	cagacctgac	1980
agctctggta	gcaatcaaga	catgctcagc	aagcttgtct	tggctcgcac	gaacaatatc	2040
ngagagggat	ccgtgagatg	ttga				2064

<210> 10869

<211> 333

<212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (84)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10869

ccttcacatcat	tcgtcatcca	gccttggcgt	tcccatctct	ctgccgcgcc	atggaaaagt	60
tcccggcaaa	gcggctttat	gcantcgggtg	gaaaccatcg	gcacgcatga	taccaacttg	120
accttgaaat	ggacgcgaat	gctttacgac	tgggtgcctgg	agcaccgccg	cctgccgggt	180
aaccccttg	tgctggatgc	gcaagatatc	atccacatc	cgcacgtgaa	gggccgggtac	240
tgcgaaaaga	cggttctaac	ccccaatcct	ttgaattttg	attgcgaaaa	caaaccgcaa	300
ccgaaggggt	tgaaactgaa	actgtccaaa	taa			333

<210> 10870

<211> 246

<212> DNA

<213> *A.fumigatus*

<400> 10870

ctgggattgc	tcgacatatg	gatacccctc	agcggcacca	agccgctcat	caagtactac	60
agcatctggc	cggtagatca	ccagtgtggc	ctcacctcga	ctgtgggagg	cacacagccc	120
ctgatcgcc	gggagagtct	gcccacagtc	gcccagaccg	caactggagga	caccgacttt	180
gggtgatgcc	atgtgccttt	caagaatgcc	aactttgcct	ccaacctggc	caaggcgact	240
ttttga						246

<210> 10871

<211> 618

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (592)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10871

tcctttttct	ggtgctattc	tactagtttg	cccatcatgg	ccgacggcaa	catatcgcca	60
tctcggcccc	gtttgtcctc	catcagtgtc	ccccgcacgg	catcaaactc	catgctcaag	120
ctcctcaatg	tcccttgcca	gaagttggtc	acatccgagc	gcggcgggta	tttcttcttc	180
aacgcctttc	tcaaggtctc	cggggatggc	caccgatgtg	tacccatcgg	agagcgggac	240
gaagccgaga	agcgggagat	ccgcgatgcc	ttccaggaag	ccgttgatgc	tctcgaggac	300
tggttcggagc	gagcagagcg	agaggggaag	attgcattcg	caaagagca	tgcgttctgg	360
ttcacgaatc	ccgccgtggt	ggggaatgtg	accgaagacg	ccgccagctt	ccgaccgcgc	420
attcctgaca	agtacgggcc	ctcgcacacg	ttctcctctc	ttaatcacac	ggtgctcccg	480
gacgaatacc	tgcgcacctg	gcgattgacc	ttcatcattc	gtcatccagc	cttggcggtc	540
ccatctctct	gccgcgccat	ggaaaagttc	ccggcaaaagc	ggcttttatgc	antcgggtgga	600
aaccatcggc	acgcatga					618

<210> 10872

<211> 363

<212> DNA

<213> *A.fumigatus*

<400> 10872

gaagagattg	cggctatgaa	gagacgggta	gccgagatgg	aatccgaagc	agcaaagttg	60
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cgggaaatgc aagccaccct tgatcaacag tccgagagtc tacgcgagga caaagaggag 120
attgatgctc ggagtatttt cgttggggaat gtggattacg gcgcttcgcc cgaggaaatc 180
caggcgcaact tccagagctg cggctccatc aatcgcggtta ctatccttct ggataaattc 240
acaggccaac ccaaggggtg cgttatgcgc atctcttcga agaaagatgg cggctgtctg 300
cgtcgctgtc ttctctcctg gatatcgact cctaaaatat gtatcatggc tgctgactgc 360
tga 363

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<210> 10873

<211> 291

<212> DNA

<213> A.fumigatus

<400> 10873

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ggtgtaacta agggttcgac agccgtcttg acattggggg tttcttgtgg cagagtacgg 60
agcataacat tcattgcac tggcgggatt ctgaagcaca tatctgctca tgatactcaa 120
gggtgctttc gaatacgaat gatggtagc tgtctagaaa agaagaccaa aaataacatg 180
aagttacatg agccatcact gatgaagatt gactccatca acgggtctact ccgtatctac 240
cgatcgcttc aggcggcagc ccgggtccac tatttttggg tgggtgccttg a 291

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<210> 10874

<211> 1446

<212> DNA

<213> A.fumigatus

<400> 10874

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cgcatagggt tgcccacgat aggcctcgcca cctgaacaag aaagaccacc cccgccccct 60
ccaacaaaaa tcgactttcc cgtctatgac ctattagatg tcccggtgga cgcacggaa 120
tcgtccctga gggagatagc cgaccttcta gcgctcgatcc gccggccaca ggacctctcg 180
acagagaagt tgaaggcctt caatctccga atggaaacaa acattactgc ggatcgcat 240
gtcccccagg gtcaaaaact ctttccctcg ctcccttggg aggcccggtg ctgtaatgaa 300
accgaagatg gcgagcccat cttgatggac aatggtaacc cataccccgc ggcggaccga 360
ttcgagattc tcaagaagga actgctcttg gataatgatg atgctttccg ggaagttaca 420
cgactaccgc ccaaggaggg ccgtcagcgg gttcgagtgg ccaatgcacg caaattttgg 480
atgggacctg agcgaatgtc gcagtgggtg gattccagcc tggacaatta tttcgagcgc 540
cttgccattc tacagaagc gtccaacgaa gacaagatgc agacagatgg cgaaccacag 600
ccgtcaggga tacaggaatc aacaactacg ccgatggagg tgcacagccc acccacgaca 660
cagaccgttg acggaacgtc ttccgatccg gaagaggggc agcaaccgac tgttcaaaga 720
tataccggcc gccggatagg taacggacag gaaatgccag aagatgttcg ggaggagacg 780
gtgcgagcgc tggctgagat ggccgccttg ccatttgggt gccaaagtcac tgtcccaatg 840
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gcccgatcgc ccaaagaccg ccaattggcc cgtaacgggg tcatggaagg tcctgttttc 960
gttgcccaat gcaggccgga gacctcttc cgaggacctg gagacgcacc agggaccggc 1020
gtgggggagg tatgcgacct gtttcaggag ctcggtgcca tgcttctggc cgcacaggaa 1080
cgcgcgaggc aagggacgac ggaagtgaag gccggtgagg gcaagtgggtg ggcgaccaa 1140
ccccgatggg gcggagcgac ccaggacacg caggacaaca gcaattgcga ggaccagtct 1200
gtgaggggat gcaatgatcg caagcgctct aagtacgagc atccatttgt tgcatcccg 1260
cgcccgggct cggggcgga gcttagcaat gccgagaagt ggaagattgt gcagccaggc 1320
cccagtcttt gggacaaacg gatgaggtac attcagattg ggaaggacaa ggacagtcct 1380
ttcgacgatg tatgcttgat caccgatggc aggtgcgaac ctatgctaata cctgaatctg 1440
atctag 1446

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<210> 10875

<211> 198

<212> DNA

<213> A.fumigatus

<400> 10875

tctacggtac	catttacc	aaacggacct	cttacacgac	gccgcgtcgc	cgggagggac	60
tccccccagc	ccttaggata	tggtaatcct	ttaggtat	ctggtaatta	tgatagatta	120
cctttcgtc	cttactttgt	attagcgtcg	gtagtggccg	gttcgttact	ccaatcagga	180
ttcggagatg	gcaaata					198

<210> 10876

<211> 606

<212> DNA

<213> A.fumigatus

<400> 10876

ttatccagcg	cttggaccag	attgaatcac	tccctgcgacc	aacacaacga	ccacgaccac	60
agaaaccaag	cgaggactca	tgggccggccc	ttcgaaacag	caatgcactg	gacacaatta	120
ggcacccccc	agctgcggga	gaacaacggg	tggactaccg	gcaacagcag	ccctgtgtac	180
cagacgcacg	gttctgactt	gagtcgactg	actatcgaga	cgatcctctc	ctggagcgtg	240
tttgaaggga	aatacgacgc	tggtcccaagt	ctcacagacc	tgctgtcctc	gccaacaacc	300
ctgtcgcagg	agcctttcct	cgccagcatt	gacccccggg	acgaacgcct	cgacctggac	360
ctgaggacct	gcacccggtt	gtccacacac	tttctcgagg	aggtgcata	tgccaacccc	420
atcctggacg	gtcccttagt	taccggttac	ctgtaccagg	catgtatcca	tggaatcggc	480
tgggatgcac	cctcgtgcct	cgtggtagga	ctgtccttcc	catccgaagc	agcacactca	540
ctgacccgaa	ccgccctccc	agctgctcat	atgtgccttg	ggcgcaatct	ccgaaagctt	600
tcatga						606

<210> 10877

<211> 426

<212> DNA

<213> A.fumigatus

<400> 10877

cgaggtgact	ctttggcgtg	tctgaaagcc	aaatggatta	cgggggttgta	tatgggggtca	60
ttcgccacta	acccacacag	ctggactctg	attgatttaa	gacctcccc	ccctttgtgt	120
cagacgcgga	gtgtcggttt	ctcttcccc	ctttactcgt	ggactctgct	gccgtttctg	180
ctcgtctgtg	acaccggcat	ggcaaccaag	cagccggagc	gaggacctgc	ggcatacccc	240
cgtcgcaggg	ccgtgagagc	atgccaggc	tgtcgggctc	gtcggacgaa	atgcgacaac	300
aagacgccgg	cgtgctcgtt	ttgcgagaaa	ataggcgcca	agtgcgtggt	caacgacccc	360
accgacatgt	cagtgcacgc	tacccgagtt	gaggatctct	gtgggtgctt	ttctttccaa	420
cgctaa						426

<210> 10878

<211> 741

<212> DNA

<213> A.fumigatus

<400> 10878

gcgacaacgt	gttcgagcat	caacagacgg	tccggccagg	tgattttcgg	cccacccagt	60
gtggatctgg	tggtcgttct	tcttcaacgt	cagtgccatc	ggatggtagc	tccaagaaac	120
ccaacagtcg	ttcggcgatt	cctgtcta	gccgtgactt	ctaggggatt	tgacccccag	180
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tcactaacca	ggtcacaaca	ggtttcgccc	gttgtgtcgc	gcggcatcac	gactgccggt	600
gtgaatctcg	ggatagtcac	aggccagctg	ctctccaacg	cggccattcg	gggcttcggg	660

gagcggggcg ataaatgggc ataccggggc ccatttgcca ttcaattctt cttcgtcggt 720
atgttcagcg gogtttatta a 741

<210> 10879
<211> 474
<212> DNA
<213> A.fumigatus

<400> 10879
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caaccgcctg ggcgcgcgca tcatcttcaa ctccggcatg gccatcctca gcacgatcaa 120
tctgctcatc ggcacccctc acgtcgctcc caccgcggcg gcgagctgga cacaggccgc 180
gctgaccgtc gtctgggcct tcttctacca ggtcagcatc ggcgccgtgg cctttgtgct 240
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gcaggccgtc ttcggcatcg tcatgaacat tgtgcttccg tacatggtga accggacga 360
gggcaatatg cagggcaagg tcggatttgt ctttggcggg ctcggggtga tcgccaccgt 420
gctgtgctac ttgtacattc cagacttgaa gggtcgcact ttcgaggaga ttga 474

<210> 10880
<211> 822
<212> DNA
<213> A.fumigatus

<400> 10880
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gacgccgtcc gcggcaccac ccgcgtgcgg acgctgatct ccggcgggcg gttcgtgtgc 180
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ggcaccatca tctcctggac catcgtcaac cgcctggggc gccgcacatc cttcaactcc 360
ggcatggcca tctcagcac gatcaatctg ctcatcgcca tctcgcagct cgtccccacc 420
cgcgggcgca gctggacaca ggccgcgctg accgtcgtct gggccttctt ctaccaggtc 480
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aagacaaccg ccgtggcaac cgcaacgcag gccgtcttcg gcacgtcat gaacattgtg 600
cttccgtaca tggatgaacc ggacgagggc aatatgcagg gcaaggtcgg atttgtctt 660
ggcgggctcg gggatgatcg caccgtgctg tgctacttgt acattccaga cttgaagggt 720
cgcactttcg aggagattga tctcatgttt gacatccggg tgccgcgcgc caagatgggc 780
gggtatgtgt cttcaccagg ggctggaagg agccgcgcca at 822

<210> 10881
<211> 252
<212> DNA
<213> A.fumigatus

<400> 10881
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gctgatgttg cagcagatcc cggggccaaa tcggctctgg tgagcgacaa cgtgttcgag 120
catcaacaga cggctccggc aggtgatttt cgccccacc agtgtggatc tgggtggtcgt 180
tcttcttcaa cgtcagtgcc atcggtatgt acgtccaaga aaccacaacag tcgttcggcg 240
attcctgtct aa 252

<210> 10882
<211> 585
<212> DNA
<213> A.fumigatus

<400> 10882

tccctcgctt	tacttgcaaa	tatgagtacc	tcccataatg	agccagcggg	gccaattccg	60
gatggcatca	tgcacaccgc	gaagcagtc	tttggcgatc	ttttccgatg	gaaacagcgt	120
gtcgtcgtga	ccaacgagtc	tggcgagact	cacgcgagtc	ggcaagcacc	tgaacccatc	180
cagaacccta	tcagcctgct	tatgcagctc	ggcgcacggg	actggcgctt	ttttctcgct	240
ggcttttttg	catggacggc	cgatgccttt	gattttcatg	ccctatctat	ccagactgtc	300
aagctgtcaa	agtactatca	ccgctcaaaa	accgatatca	gcactgctat	tactctgact	360
ctgctcctac	gaagtgtcgg	tgcgcgtttc	ttcgggtctag	ctggcgatcg	gttcgggctg	420
aaatggccca	tggtaatcaa	catgattgtg	cttgggtattc	tacagatagc	caccatctac	480
agccgtacgt	tccagcagtt	cctggcggtt	cggctcattgt	tcggactttt	tatggcggtg	540
gtctatggta	atgccatcgc	gatggcatta	gaacattgcc	cgtaa		585

<210> 10883

<211> 195

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (150)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10883

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atatgcttcc	caaaatccaa	gcaattcctg	gaagccaaga	atgccggcaa	gaaagccact	120
gaccccgccg	cattttggcg	tgagacgaan	cagatgcttg	ggaaggagtg	gaagatgtgc	180
atttactgcg	tcttc					195

<210> 10884

<211> 765

<212> DNA

<213> A.fumigatus

<400> 10884

caactgccac	aagtgagtat	cttttggtcc	tgcttgcatg	tcccacggga	tgaccattcg	60
aatgcaacgc	ataggtggct	ttttgttcca	cgcagctggt	gcgtccctcta	tgttccctgaa	120
cggcaccagc	atctaattcg	cacaacaatt	cccacgtcat	gggggttacat	cccttcccct	180
gacgccccgg	agactactcc	ctctatcatg	aaaagtgtatg	acccgtccaa	aaccccggtc	240
gagagcctgt	ttgagtttgt	tgctaccaat	gatgacgcac	cctatttctg	tgccctgcg	300
gccttgaagt	tccgcaacga	gatctgtggt	ggcgaagagc	gcatttacac	gtacctggaa	360
accttagcaa	acgaagccgc	agatcttctg	gcagctgtcc	tggaacacaga	ggtcttacag	420
gaacccaacc	ggaagtcagg	agtacctagc	caactacgac	gctgcggcat	gtcaactgtc	480
cagctacctta	ttgctattca	ggggagacca	gggcctatta	aaccatccta	cctcgtctta	540
caggcagaca	aggttgccctc	gacgatcaat	tggttccaaa	ccaccctggc	gcacaagtac	600
ggaacgtttg	tgcccgtttt	cgcccatggg	aatcgccctt	ggacgcgact	cagtgcgcag	660
gtgtacttgg	aaataagcga	cttcgcagtg	ttggctggag	ttctgaagga	gatgtgtggc	720
gagctgagga	gcaagcaagg	aggtgttgat	cagcggttgc	gatga		765

<210> 10885

<211> 1326

<212> DNA

<213> A.fumigatus

<400> 10885

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acgctgctgg	tcaacttctt	ggataaacac	cctcaggtcg	agttcatacg	ataccagtgg	120

attgattatg	cgggcatcat	acggggcccg	gttgtgcccc	tctccaatgc	actgaagctg	180
gcttccacag	aatcgccctc	ctgtggcgga	cgaatatgtc	tcaccgcgac	aaatgtcatt	240
cgcatgatgg	aaaatcggtc	ccatgtcggc	gtcgactcca	tctacccgga	cttctcctcc	300
ctacgcgagt	gccactatgc	gccggggccac	gccagtgtca	tgtgcttcat	ctccgaaggg	360
gacatgggat	tcgaacgaga	tccgagaacc	ctcctaggct	ccatcgtggc	cagtgcaccg	420
caggtccagt	tccgaatcgg	atttgaagtg	gaattccgtt	gcttgacgcc	cgaggggaaa	480
gatctcgatg	acaccttgta	ttcctggtgg	accacaacgg	ggctacggaa	ccgttgcgcg	540
cccatcatcg	atgaagtagt	tcgccttctg	cagcgtgaaa	agattgaggt	tttactactac	600
tgttccgagt	cggggctggg	gatgtttgag	atcgccacgg	gtccgctctc	gccgttgga	660
tcgatcgacg	cctgggtgta	tacgcgagaa	gctgtcaagt	ctctcttttg	ggagcatggc	720
atgattgcga	cactgtaccc	ttcgccgggtg	gaggtccaca	ccggtatttg	ggcgcacttt	780
catctttcca	tgacgtcgga	cttggaggtg	gatgaaagtg	cgttcctggc	ggggatgcta	840
gggcaactag	gcggtattatg	tgccttggcg	atgccgttcg	aggacagcta	caaacgcgtc	900
acggatcgga	agtcagaggc	cgggttgttg	atcggtcggg	gcacggagaa	tcgagacttt	960
ccaatccgaa	aagtgaagaa	gagacactgg	gaagttcgat	gctgtgatgc	taccgcgaat	1020
ctctatctcg	ttgtggcagg	gttcatcaac	gccgggctgg	gaggattgca	gacaggaaag	1080
cagctggtgt	ggcaggattg	caatagtaac	ccagtggcgc	tgatgagga	aactaggaga	1140
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aaatgggacg	gtggtgcgat	gggcaagtgt	ctcaggactt	tctgtgagat	gaaaaagcag	1260
gagattcggg	acttaggaga	ggtatcagac	gaaaggaggt	taaggacat	gattaggcac	1320
ttttag						1326

<210> 10886

<211> 615

<212> DNA

<213> A.fumigatus

<400> 10886

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aaggctctcg	atgcatctcg	agaagcaata	gccaagatgc	tcaacgttcc	ccgacatgag	180
tgtgtctttg	tgaaaaacgc	caccactggg	gtaaacacga	tcttgcaaaa	cattcccttc	240
cagtcgggtg	atgtgattat	ttactttgaa	acgatatacg	gagctcttga	gaaggggatt	300
atcgctctta	tggagtcaac	ccccctccag	gcacggaaaag	tccaatacca	gtgtccaatc	360
agtcatggtg	acttagtgga	gcaattcctg	gaggttgtgc	gaaacacaag	agccgagga	420
ttgaacgtga	agattgcgct	tttcgacgta	gtatccagcc	tgcggcgat	gcggtttcct	480
ttcgagcgat	taacagacgt	gtgccgggaa	gaagggatcc	tgagtctgat	cgacggcgca	540
catggcatcg	gccagattcc	gctagatctg	gggagactac	agccggactt	ttttactagc	600
aactgccaca	agtga					615

<210> 10887

<211> 249

<212> DNA

<213> A.fumigatus

<400> 10887

agacaggact	tgggctgcga	attcgtcgag	gcgtccgcca	agaactgcat	caacgttgag	60
aaggcctttt	acgatgtcgt	tcgcatgctc	cgacagcaac	ggcaacagca	gcagggagga	120
cgagcccaag	atcgtcgacc	gactggcttg	ggccctatgc	gcgatcggga	cgccggtcct	180
gaatatccaa	aaaccttcgg	acccgaccgt	gccagacacc	gaggtggcat	caagtgcgtc	240
atcctgtga						249

<210> 10888

<211> 645

<212> DNA

<213> A.fumigatus

<400> 10888

gttcggctag	tttcgttctg	cttcctttcc	tccgtgatcc	tttttctgca	gttctgctat	60
ccaactactc	ctcgggtttg	gttaggcttt	agaatactgc	ggcgtgcatt	tatactttgg	120
attcgtcaca	tcgtagaagt	catcccatcc	catacgcact	tttccccctc	tcgctgcact	180
gtttcttctg	tatcggatcg	cgaattatca	ttcccacgtt	taaacaaaaa	gaaagggaga	240
atgtctaccc	aacaaacagt	ccacgctcag	tccctgcact	cccccgaaag	tttttggtcg	300
tatcacgcga	ccaagctgca	ctggcacaag	aagccatcac	aaacgcttgt	ccgacgcccc	360
aagaccctac	caagcggggg	cacgcacgag	cactggctct	ggttccccga	cggcgagatc	420
tccacgacgt	acaactgtgt	ggatcggcat	gtggcggccg	gccgcggaga	gaatgtagcg	480
attatctggg	actcgccagt	gacgggcgtc	aaggagaagt	atacgtacag	ccaattgctc	540
gatgaagtgg	aggtgctagc	tgggggtgtg	agagaggaag	gtgtgaggaa	gggagatgtg	600
gtgatcatct	acagtatgta	tctcagctcg	ggacccggca	catag		645

<210> 10889

<211> 297

<212> DNA

<213> A.fumigatus

<400> 10889

ttcatctgcg	gtgtctttac	gccgtacatg	ctgaaccccg	gagcttggga	ctggggcaac	60
tataccggct	tcttctgggg	aggaatctgc	ttcctctgca	tcatctacac	ttacttccgt	120
gttcgcggagc	ccagaggccg	atcgctcgcc	gagctggacc	ttctgttcga	gcgtaaggtc	180
agcgcaagaa	agttctccag	tacgcacgtc	gatgtcttcg	acgagactgt	cgaagccag	240
gtggtgagcg	actaccatgc	ccaacagatg	gccgcggccg	gtgtgaccca	aaagtag	297

<210> 10890

<211> 399

<212> DNA

<213> A.fumigatus

<400> 10890

ctctcatgc	ccaccctcga	cagccttggc	cgcaacaccc	cactgctcgg	cctccttgcc	60
gctgaagttc	ttccccgtca	ggatcagctc	catcgcttg	ctcttgccga	cggcgtgggt	120
gagacgctgc	gaaccgcccc	cgccggggat	cactcccagc	ttgatctcgg	gctgcccga	180
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gagggcgtag	ccggagacgg	cggcgatgac	gggcttgccg	acggagttgg	cgaagtgcga	300
ccacggggcg	atgaagttgt	tgggtgaagc	gttgagagaag	gtcagtgagg	ccatttcctt	360
gatgtcggcg	ccggctggac	ggtatcagca	ggttttag			399

<210> 10891

<211> 231

<212> DNA

<213> A.fumigatus

<400> 10891

ctccgatcat	atcaatacca	aacgtccctc	gatgctctga	caccctacac	aacctaccgg	60
tggatcggct	ccgtcgtcct	cctgcttata	ttcttcttga	gaatcatact	cgtcaggga	120
tggtagattg	gtatgcgact	gtccctctcg	tctgttcagc	ttcccaactg	caaatttact	180
aacatctacc	catgttcgca	gtcgcataca	ccctcggcat	ctacctctg	a	231

<210> 10892

<211> 363

<212> DNA

<213> A.fumigatus

<400> 10892

tccttgcttc	caaacaatcc	atggaacagc	cgcctctcat	actccacgcc	ctcccggagc	60
gaaagctcct	ggctttttatt	caccacctcc	ttggcagcca	gaacactcac	ccgactatat	120
cccgaatttg	tctctgcagt	cttaagcgcc	tcagccagta	gctcctcatg	cccaccctcg	180
acagccttgg	ccgcaacacc	ccactgctcc	gcctccttgc	cgctgaagtt	cttccccgtc	240
aggatcagct	ccatcgccct	gctcttgccg	acggcgtggg	tgagacgctg	cgaaccgccc	300
gcgccgggga	tcactcccag	cttgatctcg	ggctgcccga	aggtggcgct	agcgggtgcag	360
tag						363

<210> 10893

<211> 291

<212> DNA

<213> A.fumigatus

<400> 10893

catctaccca	tgttcgcagt	cgcatacacc	ctcggcatct	acctcctgaa	cctcttcctg	60
ctcttccttc	aacccaaatt	cgaccctcc	ctcacccaag	acgaaggcct	tgaggacggt	120
gacgcctccg	ccagccttcc	caccaagcag	gacgacgagt	tccgcccctt	catccgtcgc	180
ctccccgagt	tcaagttctg	gcactccgct	acccgggcca	tcgccatcgg	cttcgtctcg	240
tcgtggttcc	ccgttttcca	tatcccggtc	ttttggcccc	tcctgggtgt	c	291

<210> 10894

<211> 579

<212> DNA

<213> A.fumigatus

<400> 10894

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accaacaact	tcacgcccc	gtggtcgcac	ttcgccaact	ccgtccgcaa	gcccgtcatc	120
gccgcgctct	ccggctacgc	cctcggcggc	ggctgcgagc	tcgccctcat	gtgcgacatc	180
atctactgca	ccgctagcgc	caccttcggg	cagcccagaga	tcaagctggg	agtgatcccc	240
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gctgtcgagg	gtgggcatga	ggagctactg	gctgaggcgc	ttaagactgc	agagacaatt	420
gcgggatata	gtcgggtgag	tggtctggct	gccaaggagg	tggtgaataa	aagccaggag	480
ctttcgctcc	gggagggcgt	ggagtatgag	aggcggctgt	tccatggatt	gtttggaagc	540
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<210> 10895

<211> 327

<212> DNA

<213> A.fumigatus

<400> 10895

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gatagatacg	gaaggaaatg	gccgttcata	atcacattgt	cggtttttat	agtcctggag	120
cttgtgtctg	gattctgccca	gaatctgccca	cagttttctgg	gtgtccgtgc	gttgtagcga	180
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tgtgtcaggt	ctctttggcc	cggccgctgc	caccgctcta	gaggaccttc	cctacgatgc	300
tcgcgagtg	ttatcgggtt	gttttga				327

<210> 10896

<211> 279

<212> DNA

<213> A.fumigatus

<400> 10896

tattcgctga	gatattccaa	gaacaaaatc	cgcaatccca	tttctgtcct	gcgagaactg	60
accacccacc	aatggctcat	gtttctgggt	ggcttcttgg	gatggacctg	ggattcattc	120
gactttttca	cgtatcgat	gacggtgact	gagattgcaa	aagactttga	tacctctgtc	180
accagtgtta	cctgggtaag	ctcgtcctct	ttgggtctacc	ctgaacgaca	gcacgctgac	240
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<210> 10897

<211> 396

<212> DNA

<213> A.fumigatus

<400> 10897

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cgggccgctg	ccaccgctct	agaggacctt	ccctacgatg	ctcgcggagt	ggtatcgggt	120
tgttttgaaa	tgggatacgc	cgtcggatac	ctccttgcag	ctgcattcta	ccgcgccctg	180
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ctcattatct	tcttccgctg	gatgctcccc	gagaccaatc	acttccaggt	catggtagcc	300
gagcgcgagg	agcgcacccg	gctggcgcac	gcaggggacg	accacgtccg	cgcgaatggc	360
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<210> 10898

<211> 231

<212> DNA

<213> A.fumigatus

<400> 10898

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ccgaacgaga	cacagacccg	catcgctatt	ctttacacat	ctgctgcttc	tggtgggtgcc	120
ttttcaggcc	tgctggcatt	cgcgatcgcc	aaaatggatg	gcacggcagg	gtacgaaggc	180
tggcggtggg	ttagttcttc	ctgggttatca	ttcgtaacct	cttccaacta	a	231

<210> 10899

<211> 885

<212> DNA

<213> A.fumigatus

<400> 10899

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tatttgctcc	ttctagactc	accatactta	tctccagggt	ggcttactcc	tgatgagatc	120
cgcttccttg	aagtgcgtca	actagcctcc	agcagtcaca	gtgcccata	tggagccttc	180
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tccatgggct	acaaatcagc	aaaggcccag	ctcctgacta	tccctccgta	cgccattggg	360
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atcgctcgcc	cacagatgtc	actcattgtc	gcgttttcaa	tattattctc	caaagccgcc	480
gatatcgaga	acaacatagc	actctgctat	tttggcatct	gcctcgcatg	cttcgggatg	540
tatcccattc	ttcccgggtg	caactcttgg	aatatttgca	acataccgaa	tctcaaaaag	600
cgcgcgctgg	ccattggcta	tctcatttgt	actggtaatg	ccggtgggat	cattggcgagc	660
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ttcgtgctcg	ctggaatcat	ggcctgtctg	gttctggaa	tcagtctctg	gaaccggaac	780
aaaaagaaag	gtcggatgtc	tagagctgaa	gtcagggaga	tatataatga	agatcagctc	840
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<210> 10900

<211> 333

<212> DNA

<213> A.fumigatus

<400> 10900

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gggaattcta	ccagctgggc	gctgtacttt	ctttgctatg	ggaagacgaa	agatctgatg	180
cggaggctcc	gcggctcccg	agtgtctggag	ctcacctcgg	ctgactactt	tggtgcatca	240
ggactggcag	gtatgatcct	gcgccatct	gtgtttcatt	ggacttcaat	gctcacgaaa	300
tcacatttgc	taattgcact	atattcgctt	tag			333

<210> 10901

<211> 675

<212> DNA

<213> A.fumigatus

<400> 10901

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ttcaatgctc	acgaaatcac	atttgctaata	tgcactatat	tcgctttagg	acttgccaca	120
tcggttttga	cgaatcctat	atgggtgatc	aaaaccgcga	tggtatccac	cggttccaac	180
gccccggag	cctatgcgtc	tttcaccact	ggtgtaacac	agatctatcg	ctcagagggt	240
atttctggct	tctacagggg	ccttttgccc	gctttattcg	gagtcagtca	tggtgctctt	300
caattcatgg	cgtatgagaa	gttgaaagcg	tatcgtacaa	ggatgagttc	ggcttcgcgt	360
accagtggcg	atagcatagg	tttggggcg	acaccggcac	gacaattggg	gaatatcgat	420
ttctttctca	cctcaagcct	ttcaaagatc	ttcgcaggct	gtgtcaccta	tccataccaa	480
gtgctgagat	ctcgtctgca	gacatacgat	gctcacctcg	tgtatcgtgg	tggtcgtgat	540
gcaatggcgc	agatctgggc	tcaagaagg	tttgggtggt	tctacaagg	cttgggtcca	600
aacctctcc	gcgtgctacc	aagcacatgg	gtaacttttc	tggtatatga	aaataccaag	660
tcttgccata	cttaa					675

<210> 10902

<211> 366

<212> DNA

<213> A.fumigatus

<400> 10902

tggactggaa	agtcgcacca	gaacaagttc	cacgccacta	cgctaagaac	gttgactctg	60
aagttttctc	aaatgtccga	aacgcaactc	atgaaccctc	aggatcgcca	gctttgggag	120
tactttgcca	acctctataa	aaacagcaac	aaaggcatca	agggtcgtgg	caaggatcgg	180
aggatctccc	ccacatccaa	gtccagtgc	agttctgcct	cgtgcacacg	aatgcagtct	240
ttagaaagt	atgaggacct	caaggcgtca	tgccggcagtc	gcgaagcctc	gtccgcctat	300
actagcagct	ccagcggaga	agaagaggac	cccgaatct	actacactga	tagaaaagg	360
cattga						366

<210> 10903

<211> 273

<212> DNA

<213> A.fumigatus

<400> 10903

acacatcaac	gacgccatac	aggcgaaaag	cccttctcct	gtgatatctg	ccagaagcga	60
ttcgcccaaa	gaggcaatgt	tcgtgcccac	aagatcactc	accaacatgc	taagcccttc	120
acttgtctac	tagatgactg	tgggaaacag	ttcactcagc	tgggtaacct	gaaggatat	180
tgtctcatga	aacagggtgg	tctgatcccg	gaaactcttt	gggctaattg	actggaaaagt	240
cgcaccagaa	caagttccac	gccactacgc	taa			273

<210> 10904
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 10904
 tcgctgactt gttctgggaa tccgcaggtc gtcattgacg gcaagggaca ctttcttggt 60
 cgcttgcca gcaactgttg taagcagctg cttaacggcc agaagatcgt cgttgtgaga 120
 tgtgaagccc tcaacatctc cggcgagttc ttccgtgcga agcgtacgtc atccgattcg 180
 ttttttcata ccctatga 198

<210> 10905
 <211> 486
 <212> DNA
 <213> A.fumigatus

<400> 10905
 aggcgcaaga ggaggggtgga gcagagacat accgagacgt ggagacattt ggagatgttg 60
 cgactgtttg acactgggtc ggagcaaaga gctgacatcg caacttctga tgatatagtg 120
 aagtaccacg cctaccttcg caagatgact cgttacaacc ccaactcgtg tgggtcccttc 180
 cacttccgtg cccctcccg catcttctac aaggcgcgtc gcggaatgat cccccacaag 240
 acccctcgtg gtgctgctgc tctggagaga ctcaagggtc tcgaggggtg tcctccccc 300
 tacgacaaga agaagcgcgt cgtcgttccc caggctctgc gtgttctcag actccgcccc 360
 ggccgcaagt actgcaccgt tggtagactc agccacgagg ttggctggaa gtaccaggac 420
 gttgttgcca ggtgtgtaat catcgctttg gattattggt ctttctggtg ttatggacat 480
 ggctaa 486

<210> 10906
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 10906
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 ttttggttgg ctaccgctac cgaggccttt acccaggtca tctggtcagg gtttcgctgt 120
 ccggtcttaa tgggccccat ttgcattccc ccgaagtcaa gggaccttgc tccgaaccat 180
 cggaattaa 189

<210> 10907
 <211> 270
 <212> DNA
 <213> A.fumigatus

<400> 10907
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 ccagaagaca aattgttcct tgataggcca gtctcagact gttccgcaaa aaaggagcat 120
 ttagttgttc tttcattgat tgtggtttat ctactccgta ctctgtggat tgtcgccggt 180
 gatgtcagta tcttactcgc gcaggccgac tccggcgtga aattcatcct gatcaaattt 240
 agtcaaggaa tgacattgac agccttataa 270

<210> 10908
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 10908

caacaaagca	gacttattta	cagccttaga	cgactgatga	ggcttcaaaa	gacacgcttt	60
gtttgcgtgt	ctgacacgca	cggctacgcg	ccatcagaag	cagggttcaa	gctaccagca	120
ggcgaagtgc	taattcatgc	gggagatctt	acaaaccaag	gcagtctaag	tgagttgcgc	180
aaaacgatcg	aatggatttc	caaggccgac	tatgaggtca	agataattgt	ctgcgggttag	240

<210> 10909

<211> 843

<212> DNA

<213> A.fumigatus

<400> 10909

gacctgtgtt	ctggacacga	atttgtccac	gaccagtaca	tgcgcgacac	tatcgccaac	60
gacgaggaat	tgagtcacag	gaaaagagcc	cgctacgagg	atgactcaac	ccagtcaaca	120
cagcaattca	tcagcgtgga	cgctagcacc	gacggcagcc	ctactgtcat	gcctaattgcc	180
ggcgagcctg	aagtccaggc	acgcgcgtcg	ccaacgacta	ccctctcctc	ccgtgaaact	240
gtccctgacg	ccaccataga	cctcaaagtg	aagaaagcct	cccccaacc	cctcccaatc	300
cccacatcca	ccccggaagc	ggccaaagca	aaacgcaacg	agatccgtcg	cgccctggcac	360
ttccttcgtg	cagagggatc	ccaccaccgc	gagatagaac	tggggcgccct	cccatcctcc	420
tggcccacac	cggaagaaga	tggattccac	ctaccgaaca	ggggcagctc	tgaaacaggg	480
gatgaaacac	gcacacggac	gcaagacaat	atgcagttcg	ctcacgacca	cgatgatgat	540
aacgaagatg	atatgcccaa	cagccaagta	acagccaccc	tctccatctc	ctcgtccgca	600
ttcgccctgc	aggaacaaac	gctcggcccc	ctccagcagg	atggccccct	cgacgtcggc	660
gtcgatatac	cgctctcctc	ggagggagca	ccgggacgac	cccgacggtt	gggcagatcc	720
agctcgtctc	gtgcgcgacg	cgcggcatac	ctcgctgcgc	gggcggatag	ctacgacgcg	780
tgggcttgta	tggggcttgt	ttcggcgggg	gataatcaca	gcattggagga	gactgaactg	840
tag						843

<210> 10910

<211> 441

<212> DNA

<213> A.fumigatus

<400> 10910

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aagaggtcta	caagacacag	gtgtgggggg	tggggagggt	accatctgcg	aggcgacgat	120
catgccgctt	ttcaggacct	gggcgggctt	ggtgccaaag	gtgctagggt	gccagatgac	180
caggctggcg	agcttgctga	cctcgacgct	tccgatcagg	tgcgacatgc	cctgcgcgat	240
ggcggggttg	atggtatact	tgatgatgta	gcgtttgacg	cggaagttgt	ccgcgccggt	300
gccctcgtcc	tccttgaggg	gcccacgctg	tgcattgttc	ttgtgcgcgg	tggtccaggt	360
gcgacggatc	acctcgccgc	agcggcccat	ggcctgcgaa	tccgtcttaa	ccgacggcga	420
tgggaagctca	tgagtcggga	a				441

<210> 10911

<211> 387

<212> DNA

<213> A.fumigatus

<400> 10911

ttcccgaactc	atgagcttcc	atcgccgtcg	gttaagacgg	attcgacaggc	catggggccgc	60
tgcgggcagg	tgatcctgcg	cacctggaac	accgcgcaca	agaacaatgc	acagcgtggg	120
ccctcaagg	aggacgagg	caccggcgcg	gacaacttcc	gcgtcaaacg	ctacatcatc	180
aagtatacca	tcaaccggc	catcgcgag	ggcatgtcgc	acctgatcgg	aagcgtcgag	240
gtcagcaagc	tcgcccacct	ggtcatctgg	caccctagca	cctttggcac	caagcccggc	300
caggtcctga	aaagcggcat	gacgtcgcgc	tcgcagatgg	tacctcccc	acccccaca	360
cctgtgtctt	gtagacctct	ttactaa				387

<210> 10912
 <211> 270
 <212> DNA
 <213> A.fumigatus

<400> 10912
 caagttcagg ccttcgtccc aagtacctcc attatgtggg tctcccaggc ctccatcgac 60
 gacggcatcg tccagtccta cggcctcaag aaacgcacgc aggctgtcag gaactgccgc 120
 aatatcggca agaaggacat gaagtttaat gatgtcatgc ccaagatgcg tgttgatccg 180
 gagagctacg tcgtcgaggc ggacgggggtg ctctgcgacg cggagccggc ggaggcgttg 240
 cccttgacgc aggattactt cgtttactag 270

<210> 10913
 <211> 549
 <212> DNA
 <213> A.fumigatus

<400> 10913
 ggaaatcact ttggcattag ttctcttggt ttgcggaaat ttaagatgcg tctgacttct 60
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 tccccaaacc gctcgaaggc caaaggagca caacttgagt catattgcc tgggcaagac 180
 gctgatgaag acttgcaacg cgaaatatcc aaccaattta tccaaacgct ctacgagaac 240
 aagaatgtgc cggagggttt cgagacatat gtcgaccccg atctgacgga gcatgggtccc 300
 tatgaacaaa gccgtgatga agtcgtggaa agtctgtctc aaatcatccc cagctctacg 360
 ttcacgggtg tgcactcatc ttatgggtgga gacattgggt tcgtccacgt cagaatagga 420
 gacgaaggcg cgccgccagc tgctgctctt gcggacatat atcgtatgga cgggacctgc 480
 attgtcgagc attgggacgt tctccaaaat ctcccgaaa attccacgaa cccgaatgcc 540
 ctgttctga 549

<210> 10914
 <211> 1155
 <212> DNA
 <213> A.fumigatus

<400> 10914
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 aggagtttgt taaatatgat gtcaagaagt cagtcaagtt tgggttacat ggatacaggc 120
 agggatgaac cctccacgtc tggggcctct ccaggatata aacaaccgcc atctacagcc 180
 ggtccgatca atctgtcggg cctagtctgc aatgtacgcc ggacgacagg cagagaacca 240
 caccgcgtgg tgggagccac caccactatc ctccggcgaca agctctacgt gttcggaggc 300
 cgcgttctat cgaagactcg cccgcagctg acgtcggatc tgtatgagct ggacttgatc 360
 cggcggcact ggacgaagat cgaagccacc ggcgatatcc cccgcccgcg atatttccac 420
 agcgtatgtg ctcttggtga taataagctg gtctgttatg gaggcatgtc acctgccccg 480
 aatgcgtcca aggagtcagc gagcaatggc gcatcagggc aggaagggca gccggaagtt 540
 gtggtcatgt cggatataca catcttcgac gtaccgtctc gaacgtggac gagagtcccc 600
 gctacagact cgcctcaggg tcgatatgct cattgcgcga ctatcctccc gtcaagcgcc 660
 ttcttcacct ccgctagtgc tccactctcc gctatccacc ataacccgcg atcgtccaac 720
 ccccatcagg ggactattgg tgtcgacata catggatttg gtggtgccga aatggtactg 780
 gtaggagggc aggatacttc gaatcactat atcgagcaga tcagtgtatt caacctccgc 840
 accctgaagt ggacgaacac aagctcgccc ggaagaaact gtggcgcccta tcgtagtgtt 900
 gttgtctcgt tgaatgaaat gaaagtggca gacatcgggt ctgctgccgc cgaccgggaa 960
 acgcacgagc cattggagga atccgacgtt gaaagctgtt ccatgccgat attttcccag 1020
 ctaccactcc ctggatgtca agcttggagc tccacgtgcg tttgcccgga tgggtccctt 1080
 gaattgaaaa agcctatggc acagtgccaa cgttcccctc cggggccttg aaattcccc 1140
 aaccggcagg ggtga 1155

<210> 10915

<211> 249

<212> DNA

<213> A.fumigatus

<400> 10915

tctactaagt	gtctatat	ttc gatact	ttcgt caaaac	actt acaacac	cccc acctgg	ccaa 60
cgcgcccc	gct tgggcc	gcat catcacc	aca atcatgg	acg tcgttg	ctgc agtatcc	ggg 120
tacatctcca	agatgg	tcac cacggg	agat acagcat	cgg ctacagg	atc ttcatcg	tca 180
gccaagatga	agatct	tgct cctcgac	agt gagacag	tgg gatctg	cggt ctactg	ccga 240
gtgcagtga						249

<210> 10916

<211> 294

<212> DNA

<213> A.fumigatus

<400> 10916

aagctcaatt	tggagg	ctga ctcttata	aat gcacagat	gc ccattgtat	c gaccgctat	c 60
acacagtcag	cccttt	tgag tcatgaag	ta tacctgat	c atcgcttg	ga aaatgccg	cc 120
cgcgaaaaga	tgcgacat	ct gcgctgt	ctg tgcttcg	tgc gcccg	tccc gacttcc	atc 180
caatttctca	tcgacgag	ct tcggggag	cc caagtac	ggg gagtat	cata tttacct	gag 240
caacattatt	cgcaagt	ctt ccttggag	cgc actggc	ggaa gcagat	gggc atga	294

<210> 10917

<211> 315

<212> DNA

<213> A.fumigatus

<400> 10917

ggtcgacccc	ggattttt	gctg gtgtgg	gagat tccatca	acc tccgtcat	cc ctactac	ccc 60
ccacctacag	ccatgg	catg gacacac	tcc cctgact	ccc atatccc	gga acaaca	atat 120
tactcctcga	tggatatt	cca tccttcac	ca cccaagc	cga taaatgc	cct gtcgcct	tcc 180
gcatccgcgc	cccgaga	acc aaaactc	cag ctcccc	tcta caaccg	atcc accagg	acct 240
cagaacccgc	ccaagcag	ct cgtatgg	tgtg gtacgt	tctac cactact	ctt gttcga	attg 300
cactgtgccc	actga					315

<210> 10918

<211> 990

<212> DNA

<213> A.fumigatus

<400> 10918

tcgatcgctt	ggaaaat	gcc gcccgc	gaaa agatgc	gaca tctgcg	ctgt ctgtg	cttcg 60
tgcgcccgtc	cccgaact	tcc atccaat	ttc tcatcg	acga gcttcg	gggga gccca	agtac 120
ggggagtatc	atatttac	cct gagcaac	att attcg	caagt cttcct	tggga ggcact	ggcg 180
gaagcagatg	ggcatga	agt ggtacg	cgtg gtgcag	gagc actttg	ccga cttcct	tgtc 240
gtcaaccctg	acctgtg	ctc cgtga	acct gggttt	cccta accagc	gatt gtggag	ccac 300
tcgcgggacc	tgtggaat	gc ggacgc	tttt caacg	agcga cggagg	agt gattgc	cctg 360
ttgctggcgc	tcaagaaaa	ccctc ctctg	atc cgctac	gaga agaac	agctt gttgg	ctaag 420
aaattagcta	cagaggtc	cg ctacc	aggtg acccag	gagg agcaat	tgtt taattt	cagg 480
aagaccgaca	cgctcctat	cctg cttatt	ctg gaccg	ga gagacg	accc catcac	acct 540
ttattgacgc	agtgga	cgt ccagg	cgat gttcac	gaat tactgg	gaat cacca	acgga 600
agagtggatc	tgcgtg	gtgt gcctg	acatt cggccc	gagc ttcggg	aaat cgtcct	tttcg 660
caggatcagg	atccgtt	cct taaga	agaac atgtat	caga attttg	gcga cctggg	tcag 720
aacatcaagg	agtatgtt	ga gcag	tatcag acgaag	actc agaac	accat gaacat	cag 780

tccattgcag	acatgaagcg	cttcgtggaa	gattaccctg	agttccgtaa	gctctccggt	840
aatgtgagca	agcacgtcac	actggtcggc	gagctgagcc	gacgggtggg	ggaggataac	900
ctactcgacg	tcagtgaagt	ggagcagagt	ttggcctgca	atgacaatca	cgccaatgac	960
ctcaaggtat	gtcgtgacct	gaacctctaa				990

<210> 10919

<211> 639

<212> DNA

<213> A.fumigatus

<400> 10919

acactgcaga	gaatcattca	gttaccacag	gtaccggcgg	ataataagat	ccgcttggtg	60
gccctatacg	ccctccgata	cgaaaagcag	ccttccaatg	cccttccggt	cctgcttgac	120
ctcttggtca	cagcagggga	tgttccctcc	tacaagggtca	atatcatacc	gaagcttctt	180
gcctatcatc	actctctcca	agcgccccct	gttgcgggcg	gcttctcgga	tctttttgaa	240
tcagcctcgt	tgttctcggg	ggctcgggac	cgcttcaagg	ggctcaaagg	tgtcgagaat	300
gtatacacac	aacattcacc	acgacttgag	gtgacactac	aaaatctcat	caaaggccga	360
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gacatcatca	tctttatggt	tggcggtgca	acctacgaag	aggccaagat	ggtggcccaa	480
gtcaacgcca	gctcacctgg	agtgcgtgtg	gtattaggag	gcacgaccat	ccacaacagt	540
acttccttct	tggaagaagt	tgacgatgcc	gtgagcgggt	ggcctgagcc	cggcccttcc	600
acagccgctg	gacggcttcg	aagagaaatt	ggacgatag			639

<210> 10920

<211> 969

<212> DNA

<213> A.fumigatus

<400> 10920

atcttcggct	ccacaggcca	tatggggcgt	tcactogtca	agaccgcctt	ttgtcgcaat	60
gacctcgtcg	cagctgtcgg	acgcacattc	gagaacagcc	ccgaatcaat	gaagaagctc	120
gaggaggaac	acgagaactg	cctagggcgt	ctatgcgacg	ttcgcgcgcg	cgaaacagtc	180
aagaaagtca	tcgaccggac	gatcgagcgg	tttggtcgca	tcgacattgt	cgccaactgc	240
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tttgagacga	attttacggg	gacctgaac	atgatccagc	tgtaactgcc	gcacttccgc	360
gagcgccggt	cgggcccgtg	tctcatcttc	agctcgacgt	cgggcgcgct	gggctgtccg	420
gggttggggc	cgtaactgtg	gtcgaagtac	gcggtggagg	gcctgatgga	gagcatgctg	480
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gacgacgtgg	gagatttgg	ctcgaacact	gctaccatgc	ccagtaacga	acataacctt	600
gcgtcgccgc	tgccgctcta	cggccacttc	tttgtcaagc	agcccagcga	gccgtataat	660
acccccacgg	cgctgcggc	gcatgcaagg	cgcatgctga	tgtggctcgg	cgataagcag	720
cctgccagtg	cggtcaaggc	ggcccatctg	gtttggcagc	tgggccattg	ctcctatcct	780
ccactgcgac	tggtcctggg	gacttacgcg	gtcgagagca	tcgcgcgacg	actcaagtgc	840
atcatcgagg	agatcgagga	ctggaagtat	ctcagcttcc	ctgtggggcg	tcagccgggc	900
tcctctactg	ggaaagacaa	gccatcaacg	gagggcgggg	acaaacagga	tcgagaaacg	960
gccacctga						969

<210> 10921

<211> 186

<212> DNA

<213> A.fumigatus

<400> 10921

tggaatctcc	acacgcaaaa	atccgggggtc	gacctcaacg	atcacccctgt	atacaggcat	60
agaatggcca	gcttatttcc	gcaagtaaac	aaaatcgaca	tttacttatt	tatgcgctct	120
ctcattctat	tcatagaactg	tgagattaat	ggcatcacca	gggatataa	taagtattta	180

cttttag

186

<210> 10922

<211> 339

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (32), (39), (146), (173), (200), (204), (212)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10922

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ctcgtcctgg	tgagtcggcc	acttttcccc	gatactggtt	taaaggcgtg	cgtgttgact	120
tgtggattac	ttcgtgtgat	agactngctt	cttattggta	tggggggctt	gngtttcct	180
ttatctcccg	aaacaagacn	gctnatcaaa	tncctgggta	atccggttga	ggtgctggat	240
actcggaatg	cggctgcgca	gtttaatctg	cttgcgaccg	agagaggcgt	ttcggaaatt	300
gctgcagcta	tgattcctat	tgggtggaat	gggaagtag			339

<210> 10923

<211> 732

<212> DNA

<213> A.fumigatus

<400> 10923

aatatcctgc	ctagtatggc	gcgagacgag	cctcttttgg	ctccgcgccc	atcttcggag	60
aacaactcca	ttcggaatgc	ggaagaggag	gacgcactgt	tgaccgggga	gcggaactggg	120
cgtggccagg	agcgacgggg	ttggactttc	tggcgagaag	tcgggtctctt	cagctgggcg	180
ctcctagcta	caattgctgt	tatcgtgctc	gcagtcgtct	accagcatga	aacgagcaac	240
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ctaattcttca	tggtgtcgga	cggaatgggc	cctaccagtc	ttaccatgac	cagaagctat	360
agacagttcg	tggagggatt	gccgattgac	gacattttgg	tgctggatgg	ccacatcatt	420
ggaacttcca	ggacgaggtc	gagttccagt	ctggtaacgg	attcggcggc	cggtgcaacg	480
gcttttctctt	gcggtttcaa	gagttacaat	ggtgccatct	ctgtgcttcc	ggatcattcg	540
ccctgtggaa	ccgtcctcga	ggctgcgtcg	ttggccggtt	acaagaccgg	acttgttgta	600
acgactcgga	taccgatgac	caccctgctt	tgttttgcgt	cgcacgtgaa	cttgcggaac	660
tacgaagatc	ggattgcccc	gcaagaaatt	ggcgagcacc	cactcggggc	cgtggtcgat	720
cttatctttg	gg					732

<210> 10924

<211> 333

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (6), (113), (120)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10924

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cggggaaaag	tggccgactc	accaggacga	ggccacacaa	gccccaggag	cnccacgcn	120
tgctcgtcca	cctcaaaactg	gcccttttta	ttcaacatgt	cggatttcat	gcccgcattg	180
actttccagg	gcctccaggc	gaatgctttc	cccgccaacg	agcagcacc	catctccacc	240
ggtcaccttg	acccactat	tcagggtggaa	tccggtatca	aggcaggcat	caatgcgtgg	300

333

<213> A.fumigatus

actcgcgtcc	cctggtggcc	cttcggctac	ggcaagagct	actccacttt	cgagtatggg	60
cctgtcacccg	tcgacaaggc	gaacgtcact	gcttcagata	ctgtcacccgt	tagtgtggat	120
gtcacaaaca	cccacaagag	catggatggg	acggaagttg	tgcacgtgta	catccaggat	180
gagatttcgt	cggtcgttgt	gccgaatcgc	cagctcaagg	ggttcgagaa	ggtggtcatc	240
cccgcgaaga	ataccaagac	tgtcaagatc	aagatcaagg	tgcaggatct	ggggctgtgg	300
aactcggcga	tgaaatatgt	cgttgagcct	ggggcgttca	ctgcgctggg	ggggagcagc	360
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<213> A.fumigatus

gacggtattc	ctcgtgcaga	ggccaagttg	ctggcaatgg	aggagggttc	tctagccggt	60
aaccgagtgt	tgccaaccaa	cctaggcggc	ggcggctgct	gctggtgctg	cgcttgctct	120
ggcaaggtcg	gggatatgct	ggtcgtttct	gattctccag	ctcccgctcg	cgcagtggca	180
gcggaattag	tactgactgg	gttctcatgt	tga			213

<213> A.fumigatus

gccttgcgaa	ctctccaact	gcttgagcag	catcataaga	agctcgctca	aatccttcgc	60
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gaatcagaaa	cgaccaagct	atccccgacc	ttgccagagc	aagcgcagca	ccagcagcag	180
ccgccgccgc	ctagggttgg	tggcaacact	cggttaccgg	ctagagaaac	ctcctccatt	240
gccagcaact	tggcctctgc	acgaggaata	ccgtctcaac	ccctccgtcc	ttctcccgtc	300
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tctgcaagac	gcaaatacat	cgtgcgcgac	accaaagtcg	atcgccatca	agcaacttca	720
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caatcgctct	ccatggctct	gcagcagtc	ctgaaagcaa	tgcaccacca	caccggcccc	1200
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cgatgggaga	aattgaagga	aggagcgaa	actagacggg	cgagggtag	ggctgctg	1440
ggcccttctt	ctacagcggg	tacagtcgag	agcagtgaca	agcccgagc	tactccta	1500
ccggattcca	atccgcagga	gcaggctgag	agcgccaagt	caaatcgga	tggcgacatg	1560
gagaatgaaa	gtacagggcc	ggaggcgaaa	ggggatgcct	ctgatagcta	g	1611

<210> 10928

<211> 192

<212> DNA

<213> A.fumigatus

<400> 10928

tgccttaggc	tcataccgaa	ttcattcact	ttgtggcggt	ctgcgtatgg	cgctcacttcc	60
tctgagcatg	ttatctcttc	cagctcttcc	agtcattctg	ctgagctgct	gttgacaact	120
gcttacagga	ccattattac	atacagctctg	tatccatgca	gccatggaga	ctgcaccgct	180
caccttggtt	ag					192

<210> 10929

<211> 1176

<212> DNA

<213> A.fumigatus

<400> 10929

tatgggattc	gggcggggag	tgggtggagat	ggtggcgggg	gggggggggg	ggggggaggc	60
ggtgtggtgt	cgccacctt	ccctcggaac	atggaggctt	tggctcgtaa	gtcgttgacc	120
aagccgatcg	agattgttgt	cggtgggaaa	agcgtcgctg	cgcctgagat	caccagata	180
gtggagggtc	gcaacgaaga	cacaaagtgt	ggcgggctag	tggagatttt	gggcaacttg	240
tactcgatg	acgccaacga	agaggggctg	ggggggatgt	tgggtggaccg	tcaggaagcg	300
gcgggggctc	tccttcgaga	gttgatgctg	aagggttata	cttgcatgtc	catccacgga	360
ggcaaagacc	aaattgaccg	agattctacg	attgaagatt	ttaaggccgg	aatcttcccc	420
gttttgattg	ccacctctgt	cgctgctcga	ggtctagacg	tgaagcagct	gaagctcgtt	480
gtcaactacg	atgcgcgcaa	ccatctggaa	gattacgttc	accggggccg	acgaactgcc	540
cgtgctggca	atacggaac	tgcagtcacg	ttcctgaccg	aagaacagga	gcggtattcg	600
gtggacatcg	ccaaagcttt	gaggcagagt	ggacagaagg	tgcctgagcc	cgtccaaaag	660
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ttcggaggaa	agggctctga	gcgccttgac	caggagcgag	atgcagctcg	gatgcgggaa	780
cggcggacat	acaagacagg	cgaagagggt	gaagatgaag	aagataaaga	agataaggcc	840
gagaaggcgg	acgagcgggt	cagcaaaatt	gtatcctcgg	tgcaatctgc	cgccgcccgc	900
gcaacaactc	ccttgcccgg	tgttcccaag	ggtatcgatc	ttgatggcaa	gattacggtt	960
cacaggaccg	agaaagaccc	agcgggcgcg	tcgaagaacc	cattggataa	ggtgggctcg	1020
gcggctcgctg	acatccatgc	ccgtctcagc	cgtgctggag	tcatgcggtc	tgggtgtccg	1080
atcgataatc	gcggccctga	tcggggagct	ttccatgcaa	ccctggagat	caacgatttt	1140
cctcgtaagt	tattccctgt	tatggctcgt	tattag			1176

<210> 10930

<211> 1023

<212> DNA

<213> A.fumigatus

<400> 10930

agaccagaat	ccgagaaaat	ggaggttgat	gcagcggagg	aggaagttga	cccactggat	60
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accaaagcga	aggatcagca	gcccagggcg	atgttcggcg	acgaacacga	tgtggatttg	180
accgtctgtg	gcgaggggtga	cgctgatgat	tttcttgcca	ttgctaacaa	agcgaagaag	240
aagaaggaca	tcccagaccgt	tgaccatgaa	aagatggaat	acgagccctt	ccgcaaaaag	300
ttctacaccg	agccttccaa	cttggttgaa	atgaccgacg	aagaagctgc	cagcctacgg	360
ctggaacttg	acggaatcaa	agtgcgcggg	gttgacgtgc	ccaaaccagt	catgaaatgg	420


```

tcgcagtgcg ggttgggcgt gcagaccttg gatgttatac agaagctcgg ctacgagaat 480
cccacctcga ttcaatcgca ggccattcct gcgatcatgt ctggccgcga tgtgatcggt 540
gtggccaaga ctggatcagg taaaacgatt gcttttctga ttccatgtt ccgacatata 600
agagaccaac ggccgctgga gaacatggaa ggacctattg ggcttatcat gacaccgaca 660
cgcgagcttg cgactcagat ccacaaggat tgcaagccct ttttgaaggc gttgaatctt 720
cgggcccgtt gtgcttatgg cggcgctcct atcaaggacc agattgctga actgaagcgt 780
ggtgccgaga ttgttgtatg tacaccggga cggatgattg acctgctggc ggcgaatgcg 840
ggcagggtta ctaatctgcg aagagtcact tatgttgtct tggacgaagc ggatcgcatg 900
tttgatatgg gattcgggcg gggagtgggt gagatgggtg cggggggggg gggggggggg 960
gaggcggtgt ggtgtcggcc accttcctc ggaacatgga ggctttggct cgtaagtcgt 1020
tga 1023

```

<210> 10931

<211> 399

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (254), (261), (270), (284), (305), (312), (333)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10931

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gcttttttgcg ccgccagttt cgaccctaata ttaccttttt gggccttcgc cgccgactcg 60
gctcgttttct ggcaactctcc agtttagccag cgaccacata caagagcagc tccgcttcgc 120
tccacagtgt cacttacctg cgccgcaatc gcagcattcg tccgcgcata ggccctctcc 180
gcacctggaa cctccggcgc agcctcgcct agtgatctcc ccggtgattt gaacggcgct 240
tttgatttcg cggngagcgg ngcgcgcggn gggcggttcg gcgngggatt ggcggtgag 300
ccgangacgc gngccggcgc ggagaagggt tcncttcgt ttttgagggt ggagcaaaag 360
attaccatt tgtttgggtt ggggggttato gcgttgtaa 399

```

<210> 10932

<211> 756

<212> DNA

<213> A.fumigatus

<400> 10932

```

tgttttaagc acgcggaaac tattgatatt gtcacatga cctggggata cttttcgatg 60
caccttagct tcgtgtccct cttcttctcg atgcggcgct tcggctctaa cttctgggtg 120
gctgccacag tcctcttctc gggcgttttt gcatttttgt ttgggtcttct ggtcacaacg 180
gagcttggcg tcccgatcaa tgtccttttg ctgtccgagg gccttccatt ccttgttgtc 240
actatcgggt tcgagaagcc aatcattctt accagggtcg ttctcactgc ggcagcggac 300
aacaggggca gagctggtca agcttctgca agcaccacaa agtccattca ggactctatt 360
cagaccgcga tcaaggaaca aggttttgag attatccgcg attactgcat cgagatcgcc 420
attcttattg ccggggccgc ttctggagtc cagggtgggt tgcgacaatt ctgttttctc 480
gcggcggtgga tcttgttttt cgactgcgtt ctacttttca ctttctacac caccatcctc 540
tgcacaaaac tcgaaattaa ccggatcaag cgccacatca ctcttcgcaa agctctggaa 600
gaagatggta tcacccatcg ggtggccgag aatgtcgctt ccagtaatga ttggcctctg 660
accgaatctg agagcagcaa caagactagc atctttggga gaaagctccg ctccagcagt 720
gttcgcagat tcaagatttt gatggttaga ggtttt 756

```

<210> 10933

<211> 480

<212> DNA

<213> A.fumigatus

<400> 10933

aactcttgta	cgctgacttt	ttattggccg	cagggcggtca	accatcttgc	cttaacaacc	60
ttcatcttct	cggattccct	gtccaagtca	tcttcaatcg	ctcctgccgc	aacagaatta	120
cggattccct	ccaatgcctc	tgtctaacca	gtgccattta	cacctaaact	gttctcgccc	180
ttctcccatg	actcttctct	tgcattcacc	ttgccgtttg	atcaggtccc	acaatttctg	240
aaagcgggtg	aggagatccc	ggacacctcc	tccgatgagg	acgacgggga	acaaaagaaa	300
tggatcatgc	gggcgcgtcg	tggcccggtc	tatggctctg	gtggtgctat	caagctctgg	360
ttggcagatg	cgtgggggtt	attcgtggat	ttgatcaagg	taaatgtttt	tgccttacgt	420
tatgctacca	tatttgctga	tgttttaagc	acgcggaaac	tattgatatt	gtcatcatga	480

<210> 10934

<211> 228

<212> DNA

<213> A.fumigatus

<400> 10934

actgtcctcc	acctgccatt	tccaagatgt	actctcacc	aaccgaagat	tccggctgcc	60
ctgaagcaga	gtatcgacgt	ccacttgacc	agcaatattc	ctggagttcc	tgacgctgtc	120
gaacaaactc	ccttcaagga	gaccgacgta	cgtcgtactg	gcgagcaatg	caataaccac	180
aatggtgtgt	ataggggtgt	gacaagcgtg	actcgagatg	gactgtaa		228

<210> 10935

<211> 348

<212> DNA

<213> A.fumigatus

<400> 10935

cgaagcttga	ccagctctgc	ccctgtttgtc	cgctgccgca	gtgagaacag	ccctggtaag	60
aatgattggc	ttctcgaaac	cgatagtgtc	aacaagggaat	ggaaggccct	cggacagcaa	120
aaggacattg	atcgggacgc	caagctccgt	tgtgaccaga	agaccaaaaca	aaaatgcaaa	180
aacgcccag	aagaggactg	tggcagccaa	ccagaagtta	gagccgagac	gccgcatcga	240
gaagaagagg	gacacgaagc	taaggtgcat	cgaaagggtat	cccagggtca	tgatgacaat	300
atcaatagtt	tccgcgtgct	taaaacatca	gcaaatatgg	tagcataa		348

<210> 10936

<211> 489

<212> DNA

<213> A.fumigatus

<400> 10936

gcctgcttgg	gagcaatcgg	gcttacatgt	atgtgctgtc	aaagagccct	gaatgtttac	60
actactgaca	catcgctaga	atcgctggca	tccagatggg	acgtctgctg	gaatgacatc	120
gtcgaagtac	ttcccttatt	caatatgaac	attcttacag	tgccggccta	tggcaagatc	180
gccaacaacg	aagtgggtcaa	gatcgaatgt	ctcgattgga	ccggtggcca	gatcaagaac	240
aatgactctg	ccgacgatat	taagaacgtc	gatctaacgc	aaatccacta	tctctccggt	300
ccatttgaaa	ttgagacggc	cgaacccgga	gatgtcctgc	ttgttgaaat	ccaagacgtc	360
cagccgtttg	aggaccagcc	ctggggcttc	acgggaatct	tcagccgcca	taatggtgga	420
gggtttctgg	acgagatcta	tcctgagccg	tgcgcttgtc	ttctccctac	actgcaccac	480
tgcacatag						489

<210> 10937

<211> 333

<212> DNA

<213> A.fumigatus

<400> 10937

```

ctgacttctc taccctatag cgccaaagca atctgggact tcgagggaat cttctgttct 60
tcacgacaca tccccacgt gcggttcgct ggcctcatcc acccggtat cctgggctgc 120
gctccttcag cggaggtcct cgccgagtgg aatcgtcgtg aaggcgaact gatcgccag 180
aacaccaggg gccgcatgt cgcaaagccc cccgaaccga agaattgtcca tgccggcagt 240
gcggaagagg acctaaaagc caagatcggc agagaaggcg caaggacaat ccccgttcgt 300
atacacctta ccccagcat cccatggaca tga 333

```

<210> 10938

<211> 192

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (129)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10938

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ggccgccccg aacacggagg aaactgcgac atcaagaacc tctcccgcgg ttccaaagtc 60
tacctccccg tgcacgtccc agggggccaaa ttctccgttg gagacctcca cttctcgcaa 120
ggtgacggng aaatctcatt ctgcggcgcc atcgagatgg cgggcgtcat aacactcaaa 180
ttcacagtca tt 192

```

<210> 10939

<211> 369

<212> DNA

<213> A.fumigatus

<400> 10939

```

cttgagccct acttttgccg gatccacttc acaccggaac agaaacgccg ctggtttatg 60
gaccgtcaag gtgttctgtt cggtttcgcc ttgccttca ccgtggctct gaaggcacc 120
tacatcggag tgctgatgta cggcggtgca caagcatcga ctgcatactt gatcaciaag 180
tgcacagatc ccccgcccag tcccgccgag agtgaagggt tcgccgagag ccaagtcacc 240
tggaagaaca agcagactt cctgcggctg tcattggata acctggacaa actgaatctc 300
cctttacaga gtgaggggga agtgcaggag acaaaagtac cccaaagtcc gggacggaag 360
ttctcttga 369

```

<210> 10940

<211> 186

<212> DNA

<213> A.fumigatus

<400> 10940

```

agtcaatcat tctatatctt gataaaatca atcatgttgc aaaaccaagc gctcaatttc 60
tgccataacc gcgtcgacta ccccttgagt attcgcggtc cctccaagat ctggagtcag 120
gacgccagca gcacacaccc tttcaacgca tcccatcaat tgttttgcag cgtecttctc 180
gcctag 186

```

<210> 10941

<211> 420

<212> DNA

<213> A.fumigatus

<400> 10941

```

gtattcgcgg tccctccaag atctggagtc aggacgccag cagcacacac cttttcaacg 60
catcccatca attgttttgc agcgtccttc tcgcctagcc aagaaagcat ctctgcccgc 120

```

gaccagaacg	tcgctacagg	attggccact	cccttgccag	tgatgtcgaa	agcgcttcca	180
tgcacgggct	caaacaagga	cggattcttc	cttgttgggt	ctagattgct	agagggagca	240
actccaattg	atccggccag	cgcggcggcc	aagtctgaca	gaatatccat	gtgcaagttg	300
gtgccgacga	tagtgtccag	ggagtcgggc	ttgcccacca	tgcgaaatcg	catggcatcc	360
acaagcatct	tgtcccaagt	gacatcagga	aattccctgg	caacctctgc	agccacttga	420

<210> 10942

<211> 303

<212> DNA

<213> A.fumigatus

<400> 10942

aagcaaattg	catctacagt	tccaattacc	taccgtgttg	cgtccattcc	aggagatggg	60
attggggccag	aagtcgttga	agcgacgac	caggtcgtta	ggaagctctg	ccaaaagtcc	120
caaacattcg	acatcgactt	cactcacatc	ccatggggca	cggaatacta	caaggcacat	180
ggtcgggtatg	catcggaaga	ctgtctggat	acactgcgac	agtttgatgc	agtgtctattc	240
ggcgctgtag	gcgctccagg	taagattgtc	ctgagcgatc	gactcggggc	aaccagcaac	300
tga						303

<210> 10943

<211> 891

<212> DNA

<213> A.fumigatus

<400> 10943

gattgtcctg	agcgatcgac	tcggggccaac	cagcaactga	cctgggttaga	tgttcctgac	60
cacatctctc	tctgggggtct	tttgttggcc	atccgaagac	ctttgcagtt	gtacgccaat	120
gtccgcccgg	tacgcacctt	ccctggcaca	aaatgtccgc	ttaatacagc	gacaaagggc	180
atcgactggg	ttctcgtgcg	cgaaaactca	gagggcgaat	attctggcca	gggcggccgc	240
agtcacgtcg	gccagccgtg	ggaagctgcg	acggaggttg	ccatattcac	acgggttggg	300
atcgagagga	tcatgagatt	tgcattcgaa	acagcacgct	ccagacctcg	tcgtcacctg	360
acagtcgtca	cgaaaagcaa	ctcgatgcgc	aatggcatgg	tcctgtggga	tcaagtggct	420
gcagagggtg	ccaggggaatt	tcctgatgtc	acttgggaca	agatgcttgt	ggatgccatg	480
acgattcgca	tggtgggcaa	gcccgactcc	ctggacacta	tcgtcggcac	caacttgcac	540
atggatattc	tgtcagactt	ggccgcgcgc	ctggccggat	caattggagt	tgtccctctc	600
agcaatctag	acccaacaag	gaagaatccg	tccttgtttg	agcccgtgca	tgggaagcgt	660
ttcgacatca	ctggcaaggg	agtgggcaat	cctgtagcga	cgttctggtc	ggcggcagag	720
atgctttctt	ggctaggcga	gaaggacgct	gcaaaaacaat	tgatgggatg	cgttgaaagg	780
gtgtgtgctg	ctggcgctct	gactccagat	cttggaggga	ccgcgaatac	tcaaggggta	840
gtcgacgcgg	tatgcgcaga	aattgagcgc	ttggttttgc	aacatgattg	a	891

<210> 10944

<211> 750

<212> DNA

<213> A.fumigatus

<400> 10944

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cgtccttctg	ggcttacgct	tataccccct	agcaaagatc	atgctaggac	tgcacgcgct	120
ttgattcagt	tgtttgagat	acccggcgct	tttgggtgaac	ccatgtccaa	ggcgatatac	180
gacctgactg	aactcatctg	gtatgcggag	tgatcaaaag	gcgatccaaa	gtcatcgcag	240
agcttttagc	acgaaacgga	ggattacttc	aatacagaag	tgctctacgt	cgagtatgcc	300
ctacacactg	accgatacac	gccgaccggt	gaaacaaaagg	gggacgcaac	gatcgagggt	360
tgcgtccggc	tggcgtgctt	gctgttccac	aactccacca	tatgggaatt	ctaccgggcg	420
atgggtccgg	tgttttcgaa	gccgattgtc	ggactccgag	tcgcacttga	aacgacgac	480
cgggcggggg	acttcaacct	gtgtcgggaa	ttattgatct	gggttctgtt	tgtgggggct	540

tgcagctcgc	ggctcttggc	ccgcgagcac	acgttcttca	tgactgaatt	gactatggcc	600
gtgaggaacc	agggattcca	ctcctggcag	gacctgcgag	agcttctgct	gggatacttt	660
tacgtggatc	gctgttactt	gacttcactg	cgcgagtgtg	gggacgagat	tcacattgat	720
gccgatgcc	gtcggttgaa	cctgtgttaa				750

<210> 10945

<211> 453

<212> DNA

<213> A.fumigatus

<400> 10945

gctgcatcaa	catgggtgct	cgcgacatca	ctgctcccaa	cattgttggt	gctcttgctt	60
tcggttatgg	tggctcttgg	cagttgcttg	ctggcatgtg	gtaggtgctt	tctgtcttcg	120
ttggagctcg	aactccatga	tcgtatactg	ttgtcgcggc	cgctcacaca	gttcagggaa	180
atggccatcg	gtaacacttt	tggtgccact	gctctgtcct	cttatgggtg	tttctggatc	240
tccttcgcta	ttgttttgac	ccccgggtgg	ttcaacatcg	agtcagctct	cgtaaggcc	300
gacaatggca	gcacctccat	gtttgacaac	tctttcggcc	tgttcctgat	ggtgagatct	360
tctgctcggg	ttttgtcctc	ttgtcagcga	ccacagctaa	caaccacag	ggctggttca	420
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<210> 10946

<211> 228

<212> DNA

<213> A.fumigatus

<400> 10946

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cacaccctat	atgtaatcta	ccttgaggca	tttttttttt	ttgttttttc	ttcttcgctg	180
gcagcagggg	tagtgacccg	gtgtgggtca	gcagcagtag	ttcgggtga		228

<210> 10947

<211> 417

<212> DNA

<213> A.fumigatus

<400> 10947

agcaccatgt	ctaccgagca	gaatgcagcc	cttgaaaagg	atgtcgggtc	ggataacagc	60
atcaacggca	ctcctgaaaa	taccaatgct	ccgcagctta	cctcgcagat	gaccacagag	120
gagcacgaag	tggccaaggc	cgctgctcgc	tttggtatag	gtcctctggc	caagccaat	180
cccaacgagt	acaacctccc	tccttcgga	ggagagttcc	agcctggtct	gtacaagtcc	240
gttgagaagc	gcaagtttgc	caaccctgct	cctctgggtt	tgtgtgcttt	cgcccttacc	300
acattcgctt	tgagctgcat	caacatgggt	gctcgcgaca	tactgctcc	caacattggt	360
gttgctcttg	ctttcggtta	tgggtgtctt	gttcagttgc	ttgctggcat	gtggttag	417

<210> 10948

<211> 408

<212> DNA

<213> A.fumigatus

<400> 10948

caactctttc	ggcctgttcc	tgatgggtgag	atcttctgct	cggtttttgt	cctcttgtca	60
gcgaccacag	ctaacaaccc	acagggtctg	ttcatcttca	ccaccatcct	gctgttctgc	120
accctgagat	ctaccgtggc	tttcttcttc	ctgttcttct	tctcagatct	cgttttcttc	180
ctgctcggta	tcggctacat	ccagcgcgac	agcgcgggca	agcccaaccc	tcccgctcct	240
aaggccgggtg	gcttcttttg	tctcctggct	gccttctactg	cctggtacaa	cgccctggcc	300

ggtattgccg acagcagcaa cagcttcttt gtcattcccg tcgcccactt cccctggtct 360
cctaccggac aggacaggag aaccaagacc gagcgcgaga ccgtctaa 408

<210> 10949
<211> 357
<212> DNA
<213> A.fumigatus

<400> 10949
tttgtcgatt cgttgattct gatgcgagtg ttgcgtaacg aagcccaccg tcgcatttca 60
tggttcattg cagagaaatc cttcaagcgc aaatttatcg gattgttagc taggggaata 120
ggaactgtcc cgggtggctcg agcgatggat aatgtgaaac ctggtgttgg aactatatac 180
ctgectgata ctgttaacca gccgactctt ttgcgagggg tggggaccaa ctttgaaggg 240
cctgagtttg aaaaggaagg cacaatctct ctccctacca tcaatggtac ttgcacagtg 300
gctgccattg ctgaaagtct tcaccacggg gctggaagga gccgcgccag tcgaaca 357

<210> 10950
<211> 201
<212> DNA
<213> A.fumigatus

<400> 10950
aggctgctgc gagaactttc ttgttgatcc caccaggggg aataccgatg caagccgttt 60
gaggacaca ttatcaacac caacttatca ttgcattctg aagcttctca tctgagtcg 120
atcaacacct attcatcagc tttgcatagt atcaagctaa tgcgctgttt tctcccaagt 180
ctgtcttcta agtctgctta a 201

<210> 10951
<211> 336
<212> DNA
<213> A.fumigatus

<400> 10951
gccatcgccg cagctaggcg caaagaggga cgattggctc aagggcattt cgaactactc 60
tacgacatca tggggaagaa acaaccatat atccccctc taattgggtg gctatatgat 120
ttggtcttat ggtcattctc ggtgctaatt gacctgttct tccgggaagt tcatcctcgc 180
ggttcttggg agatcccccg gaggggtccg ttgatcctcg ttgcagcacc tcatgcgaat 240
caggttggtt tctgttcata tttccataca tatatatattg acttcgggtg tagtgcttgc 300
tttatgctcc tacttggtat atcttccggt cgctga 336

<210> 10952
<211> 819
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (174)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10952
agttcgtcgc tgatatgctt gtcacagatc cacttcggag aggggaagtc gaatacccat 60
aaccgcgtaa ttgcaacgaa cccgccgcc aacctggcac agcagttggc caagcctaca 120
aggtcgggac agaggctgcc tcaaaactcg attcgccaac tgcaagaaca caantacgcc 180
gtgactgtga tggttgtcaa catcctgtat gagaatccca atctcctccc cgtcaaggga 240
ttcggctact tgatcccaca gtctgttccg ttogaacaca atcccagat ggctctaggg 300

gtgatcttcg	gttccgagtc	tagtgtaggt	caggacactg	tgccctgcac	caagctcacc	360
gtcatgctgg	gcgggcacta	ttgggatggc	tggaagacat	cagactaccc	agacccggat	420
accgccattg	ggatgtgcc	aacctgctc	catagacatc	ttggcatcac	cgagaagcct	480
cttcaggctg	ctgtcaaact	gcaacgtcaa	gctattcccc	agtacacggg	cggccatctc	540
tcgcgcgatg	gggacctttc	acaaacagtg	cgccaggatt	tcaataaccg	gctgactctg	600
gctggaaatt	ggtacaatgg	cgctcggggtg	acggattgcg	ttcggcaggc	gtacatggct	660
gcctcgtacg	gcgttggtgc	acttaagctc	gatgcaccga	gcgttaatgt	tccttgatt	720
aggtacaact	ggcagggatg	ggaattagag	gggggtatac	caacctctcc	tgtgcgaata	780
acagagactt	acaggtcgg	acgcaattat	ttcttctaa			819

<210> 10953

<211> 744

<212> DNA

<213> A.fumigatus

<400> 10953

ccccctgttg	attttatctt	acagctgggtc	gagctcgaat	tactcgagga	tgtgttgatc	60
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cgcattgcctg	tcgcgcgatcc	cgcccgtagc	ctgttctcag	agctttactc	gaactttcgg	180
acattgctta	cggaaccctg	ctttgacaaa	ctcgtgcgaa	gtgttgtagc	ggagccagcg	240
aggttgcccc	cggggcccaa	gtcagttgac	tccgacgagt	ctgtgaggga	ctttatttct	300
cggcgacttg	cccccgagat	cgcagataac	atagtctcgg	ccgtgtatca	tggatatctac	360
gccggcgaca	ttgaccgcct	gagtgcgcag	accctgctgg	gaacctaccg	ggaccttgag	420
catgatgacc	gccgcgtaat	tgggggcctt	gtacatgcag	ccacctcaga	tatcacgtac	480
aatctgatgg	atgattggct	ggcgtgcat	tcgctggctg	cgacaaagca	gaagagctat	540
tgaggtagtc	tgaagacgct	ggtcagagac	gccagtgtta	tcaccttcaa	aaacggcgctg	600
cagcagctta	ctgatgcctt	ggctgcgaca	ttgcgcaa	ccaggaaagt	ggacttgctg	660
actggtacag	aggtgatggt	tatcagtaca	aatcctgcca	attccgatct	gaccgtaagt	720
gtaacttttc	tgagggagag	gtga				744

<210> 10954

<211> 675

<212> DNA

<213> A.fumigatus

<400> 10954

atggcgctcca	caaattccgg	catcaccact	gacgccttaa	ctggggaacg	ctacatcccc	60
tcttcagctc	gccagacgg	ttccaagcgt	cgcgagatca	aagttcgacc	tggttaccgc	120
ccaccagaag	atgtagagct	gtacaagaac	cgtgccgcag	cggcttgggc	taatcggggt	180
tctggcgggg	ttccaggcgc	tgagggattg	agcgaagcga	gtgagaacaa	agcaaacaca	240
gcagccagca	acaagaacgc	gaagcggcga	gaggcgga	aaagggccaa	ggctgcgcag	300
gagtctgagc	cgacattgac	atcgacacag	gccaatggac	agagtgtgcg	ggatttgagg	360
aactggcggt	ccggtgcctc	cgctgctgag	aagaaagttt	cgaccgctga	agcgcagccc	420
aaagtcgatc	ctgaggcgga	gaaggagaag	aaagcacgga	acctgaagaa	gaagctcaga	480
caggcgcgcg	atctgcggga	caagaagaac	cagggcgagg	cgctgctgcc	ggagcaattg	540
gagaaagtga	tcaagatcca	ggagttgatt	cggcagcttg	atgcaactgg	ttttgatgct	600
aatggcgaca	agaaggactc	ttctgaagag	aaagagaaag	agaaggagaa	ggagaaggag	660
aaggagggtg	cctga					675

<210> 10955

<211> 582

<212> DNA

<213> A.fumigatus

<400> 10955

tggaggcatg	agcaactcaa	acctggcgat	gcattgtgcag	aacatgagcc	ctctcacatt	60
------------	------------	------------	-------------	------------	------------	----

cagttaccgg	aactaaatat	cccacagatc	caagcagatc	tcattctcgat	cccgggtgtac	120
cgtcccaaga	tgcgggaaac	cacggcactt	ggtgcggcta	tagccgctgg	tctggcggta	180
ggggtgtgga	gaaattttgc	tgaactgcga	gacatcaacc	gtgccggagg	agccgtcttt	240
gagcccaaga	tcagtgcgga	agaaagcgct	aagtcattcg	caagatggga	aaaggctgtc	300
gcaatgtgca	aaggctggtc	tggagatgcg	ccgccacctc	cagtgcgaacc	tgctcaaaag	360
gaggcgaaga	aaaatgctcc	tgagggttata	acgaatcaca	acgctatcaa	tgctacgcct	420
ccaaagtcca	acggagagct	taccacaccc	aaattccctt	tgataagtat	ttctggagac	480
ttggataatg	ctgacgagga	agagctttat	ctggagctgc	gaaagattga	gatcctgcag	540
cgactcaaga	aactccggaa	actcaagctt	tctttttact	ga		582

<210> 10956

<211> 1050

<212> DNA

<213> A.fumigatus

<400> 10956

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tactcccgat	acggtatcaa	ggctatcggg	atcacaacc	aacgggagac	tactgtcggt	180
tgggaccatg	atactggcga	gccactctac	aacgccatcg	tctggacaga	tacgcgccg	240
caggctatcg	ttcacgagct	gaagcaaaag	cgcgagtcac	cgcaactgca	agcgatttgc	300
ggtcttccgc	tgacaacata	ttcttccgcc	acgaagctcc	tctggatgat	agaacatgtg	360
cccaaagtca	aagatgcgta	cgagcgaggc	acattggcgt	tcggtacggg	agatgcgtgg	420
cttgtgtatc	gtttgaatgg	cggcgcacat	gcgaacgtgt	ttgtatctga	ccctacaaac	480
gcatctcgga	cgatgtttat	gaaccttgag	accctccaat	acgacaattt	tctcctagac	540
ttctttggca	tcagaaaagt	ccacctaccc	aagattgtgc	cgtcttcaga	cgccaaagct	600
tacggagcaa	tggcatctgg	aataacttgc	ggcgttccga	ttatgggctg	tcttggtgat	660
cagtcctcgg	cgctttagg	gcaaaagggc	ttttcgccag	gaatggcgaa	gaacacttat	720
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attgcagtcg	ccgatctggt	tatcaaatcc	ctacaaaaga	acttgagctt	tttccaagag	900
tccaaggaag	tgaacgattt	ggctcagacg	gtagaagaca	gtggagggtt	tgtgtttgtc	960
actgcgttca	gtggtcttta	tgcgccttac	tggattgacg	atgcaaaggg	gacaatgtgt	1020
aaggcaacaa	ggtctaattgc	tcctttttga				1050

<210> 10957

<211> 231

<212> DNA

<213> A.fumigatus

<400> 10957

tccggcgtga	cttcccggac	agttgggatc	acacagtaca	cccaaaaggg	tcacattgct	60
cgggcgacgc	tagaagccac	ctgctttcag	accaaggcca	tcttggacgc	aatggagaaa	120
gacagtggac	atgcgctgtc	cgaattggcg	gttgatggag	gcatgagcaa	ctcaaacctg	180
gcgatgcatg	tgcagaacat	gagccctctc	acattcagtt	accggaacta	a	231

<210> 10958

<211> 249

<212> DNA

<213> A.fumigatus

<400> 10958

gatcctgcag	cgactcaaga	aactccggaa	actcaagctt	tctttttact	gagcgtctca	60
tgcgcccattg	ttctagcgtt	tttcttttgg	gatctgtacc	tgtacatgtt	catgttacag	120
tcggtggcgaa	ataacgaaat	atttgtttat	ggaagaagcg	acgcttactg	gaccattatt	180
gctatgcgcc	tcctattgtt	tgccctcaaa	tcacagctaa	acaagtgtca	agctctacctg	240

tctgactag

249

<210> 10959

<211> 201

<212> DNA

<213> A.fumigatus

<400> 10959

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gtctcgcagt	tcagcaaaat	ttctccacac	ccctaccgcc	agaccagcgg	ctatagccgc	120
accaagtgcc	gtggtttccc	gcattcttggg	acggtacacc	gggatcgaga	tgagatctgc	180
ttggatctgt	gggatattta	g				201

<210> 10960

<211> 213

<212> DNA

<213> A.fumigatus

<400> 10960

atttcaatgc	ggttgctttg	cgccccacag	atctgtggga	gtggatttcg	gggagagatc	60
gcccagctcc	ggagagcaac	tcaagactta	gcggtcttgg	tcggccgata	tcgcatcaaa	120
ttatccgatg	tcaactacgg	agtactccgt	agactaacta	cctacctaga	tttgaccagt	180
ttgctcttaa	tcgacgcaca	gtggagccat	taa			213

<210> 10961

<211> 420

<212> DNA

<213> A.fumigatus

<400> 10961

ctgcgcgctc	acggtatcgc	aggggtatac	cgcggcctct	gcgcgaccat	cctcttccga	60
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accgcgatgt	cggcgccagt	aattaatttc	tgggccgggg	gtatatcagc	tcaaattctc	180
tggctgacct	cgtaccgcgc	cgatgtggtc	aagcagcgac	tgatgacaga	cccgatgggc	240
ggatcgcttg	gtgatgggga	gagaaagtgc	taccgggtga	aagatgctgc	cagggcggtt	300
tatctggagc	gaggggtggag	aggggtactg	aggggttttg	tgccctgctt	cttacgagca	360
ttcccggcga	atgcgatggc	tttggttgca	tttgaggggtg	tgatgcggtc	gctgccgtga	420

<210> 10962

<211> 345

<212> DNA

<213> A.fumigatus

<400> 10962

tccgggtctg	atccatgggg	tagcatgctc	ggttccctga	cgctgtaccg	acgactactg	60
ctcgagaacg	tcttttcgag	acccgctatt	aggtctctca	cgctttttgc	gagttatcaa	120
cctgatccca	aaacgctccc	cagtttttga	catgggatag	ccggtatcct	ggccgggtacg	180
actgtcagct	tcgtagcggc	tccgggtggag	catatcaagg	cgcggctgca	gattcagtat	240
gcgccgggata	agtcaaaaacg	aatgtacagc	gggccgatcg	attgttttaac	aaagctggta	300
ggtcatttggg	aggtctcgag	agtgttggag	gcgattgtcg	gctga		345

<210> 10963

<211> 252

<212> DNA

<213> A.fumigatus

<400> 10963

ttcggagggt	ctcatgctga	cgggatgggt	gcctgcgtaa	aggaggatga	caagcccttc	60
acagtcagac	tctccgatga	gagcttcgag	acatacgaga	tcgaccctcc	tccatatgac	120
ctcgagggtca	ccaagaaaga	gttgaagcag	atgtactatg	atatggttgt	gaccagggtat	180
ggactgcgcg	gagaggagtt	tatgttgcta	tgccactcgt	atctaacctt	tgacggctct	240
tgctttgtct	ag					252

<210> 10964

<211> 513

<212> DNA

<213> A.fumigatus

<400> 10964

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tactacaagc	gtggtcagta	catccctggg	atcaagggtca	acggtatgga	tgtccttgcc	120
accaaggctg	ctgttcagta	cgccagagag	tacaccatcg	ccggtaacgg	tcccctggtc	180
ttcgagtacg	tcacctaccg	gtacgggtggc	cactccatgt	ccgaccccg	taccacctac	240
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gcccgtagcc	acgtcgacga	ggagggtggc	attgccgagc	agatgcccg	tcccgagaac	420
aacccccgca	ttctgttcga	ggacatctat	gttcgcggca	gtgagccccg	ctggatgaga	480
ggccgcactg	tcgacgagac	cttctactac	taa			513

<210> 10965

<211> 510

<212> DNA

<213> A.fumigatus

<400> 10965

cctttgacgg	ctcttgcttt	gtctagacgc	atggaaatgg	ccgccgaccg	tctgtacaag	60
gaaaagaaga	tcagagggtt	ctgccactta	tctgtcggtc	aggaagctgt	tgctaccggt	120
atcgaacacg	ccatcacccg	cgacgacaag	gttatcactg	cctaccgttg	ccacggttat	180
gctctgatgc	gcggtgggtac	cgctccgttcg	atcatcggag	agctgctcgg	tcgccgtgaa	240
ggtatcgctt	acggaaaggg	tggtctcgatg	cacatgttcg	cccccaactt	ctacgggtgg	300
aacgggtatcg	tcggtgctca	ggcccccggt	gggtgccggtc	tcgctttcgc	ccagcaatac	360
aacgggggaga	aggctaccag	cattgttctg	tatgggtgacg	gtgcctccaa	ccagggtcag	420
gtcttcgagg	ccttcaacat	ggccaagctg	tggaaaccttc	ctgccatctt	cggttgtgag	480
agtaagttga	tcttcattgc	cacctactga				510

<210> 10966

<211> 1731

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (35), (160), (194)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10966

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atcgacagcg	tcgctcaccg	gacttttggg	ggcagggtgn	tgctcactt	taccacaacc	180
ccccctccgc	gcgntcaggt	acatcagctt	ccgattccta	tcgaggcttc	tcagcgccac	240
atgagccaga	tggaagggaa	tgtgtacatg	gcagctttat	accccgccat	gtacgcgtct	300
gccttgagcg	tacttgtcga	ggttcgaaaag	cgactgggca	caaactggat	acgtcgactg	360

atggcacagc	aggacgggtcc	ccatgtcttg	gatgctggcg	ctggtggtgc	cggaattctg	420
gcttgagag	acgtccttcg	tgcagaatgg	gaggccatgg	tcccagatca	tcccagagacg	480
gacccatttc	cactgggtag	gtcgacgggtg	gtcacagcct	ctgaagcgct	ccgcaatcgc	540
gcgagtgtca	tgggtccacaa	cacaacattt	tttccacgct	tgcccgaacta	tattcatgtc	600
cgtgagaagc	caactctcga	cgacgagcgg	cctccgcccgc	cgcgcaaaca	atacgatgtc	660
attatagcgc	cacatagtct	actcggcctg	gaggaagagt	atatgcggaa	agaacatgtc	720
gaaaatcttt	ggacccttct	aaatccccac	ggcggagtgc	tgattcttct	tgaaaaggggt	780
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tcaagtcccg	gttatacaca	atacgatgaa	ctaaccgagt	ctcctaacga	gaacaagcat	900
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tatactgttg	ctggccacgc	caaaggacgc	agagacttct	gccatttcga	gcagagatat	1020
atcagaccgc	ctttccttca	acgaatccta	ggcgccaagg	atcgcaacca	tgaggatgtc	1080
aaattcagtt	acctagcggg	tcaacgcggc	gtggatcttc	gcaaggagat	gaacatcgtc	1140
caaggtcccg	aggccgctga	agcagccttt	gcccggctacg	agcaccttca	cgatatggag	1200
tcggaagatg	cccaagtttc	agatgatgct	gcgactagcg	agccctcggc	cgcccaagac	1260
ggccgagatt	tccatacgtt	gtctctccct	cgcgcgctct	acgccccaat	gaaacgccgt	1320
ggacacgtca	tttttgattt	ctgtacacca	gcaggaaaga	ttgaacgctg	gaccgttctt	1380
cgttcctaca	gtaagcaagc	ttacagggat	gcacgcaaag	cccgcctggg	agatctgtgg	1440
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gatggtggtc	tggaaatctgc	tccgtctgat	aactgggatg	tatttacaac	ccctgtgaga	1620
aagaagggtc	aaacaattcc	cagctggaag	aagcatcagg	acaagaagaa	gatcagacaa	1680
gcctcgaaga	agcaatccac	tgtcaaattg	acagaccatg	atcttgattg	a	1731

<210> 10967

<211> 285

<212> DNA

<213> A.fumigatus

<400> 10967

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ccgttctcaa	gctctatcaa	ctctctgaac	cttccgcaac	cagaagtcag	cttcaaattg	120
cataataagt	cgcaatgtct	ctcctcggaa	agaagttccc	tgcccctgtg	ggtatgttat	180
aagaccctta	ctacgtctgt	gcgatggcga	tccgagtatg	tcactaacca	ctcaatcaca	240
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<210> 10968

<211> 243

<212> DNA

<213> A.fumigatus

<400> 10968

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tacttcaata	tggctgcatc	acttcaagcc	tcagttgact	cacttcaatc	ctcgtgcaa	120
acactcgatt	catccatctc	taccctcgac	tctgctgtta	gcgactttcc	ccgattgtgt	180
aaggtcttac	aaacaacgcg	ggtaagagat	atgacagtac	gacaagccta	tcactttctt	240
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<210> 10969

<211> 240

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (162), (201)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10969

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aatccccctg	gaatcctcac	aaccgcatc	aaatctccca	antaccccct	cctccaatcc	180
agccacgtcc	ctttcgctct	ngacatccca	acttgccaac	gggtcggaaa	gtccggtaaa	240

<210> 10970

<211> 600

<212> DNA

<213> A.fumigatus

<400> 10970

cataccacaa	tggacacaac	caaatccctc	ctatccaccc	taatagcgat	aatgatcccc	60
ctgtccctgg	ggtcagtctc	ctccccaaat	ctccttccta	cacccccaat	gggcttcaac	120
aactgggccc	gcttcatgtg	cgacctcaac	gagacactct	tcctcgaaac	cgctccgcga	180
atgatctcaa	ctggccttct	agaagcaggc	tacaaccgcg	tcaacctaga	cgactgctgg	240
atggcctacg	accgcgcgcg	ggactcctcc	ctccaatgga	acaccacaaa	attccctcac	300
ggtatcccg	ggctcgcccc	ccacctcaag	gcccaaggct	tccacgtagg	aatctacgaa	360
gacgcaggag	acctcacctg	cgggtgggtat	cccggctcgt	tcggccacca	agccctcgac	420
gcccaaacct	tcgcaacctg	gggaatcgac	tacctaaagc	tagacggctg	caatgtcttc	480
cccagcact	ctcgcccttt	agaagaaaga	gttcaaagcc	cggtacgcac	actggcccag	540
cactctaaag	cagatgcccc	acccgtttat	ttcttgga	gcgcccctgg	cgactttgcc	600

<210> 10971

<211> 324

<212> DNA

<213> A.fumigatus

<400> 10971

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aaaccgcgat	tcaacgacga	gtacacctac	caagtctcct	cacgacatct	gatccttgcc	120
tctccattct	tccgcgcagc	actaacaaaa	gggtggaagg	agaccatac	cctaggcaca	180
cacggctccg	tctcattcac	cgtctacgac	tgggacgatc	agggcgtctt	gacttttctg	240
aatattatac	acgcgacaac	accgcgatct	gccatggaaa	gtaggggttag	agctatttgc	300
gaagatcacc	ttcatcgtga	ataa				324

<210> 10972

<211> 219

<212> DNA

<213> A.fumigatus

<400> 10972

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tcacaggaca	gccacccttc	cacaaaggca	ctccatgccg	acggccgact	caacttgggtg	120
acagacgtcg	cacctccaat	ccatctatcg	accacatttc	gataccccaa	tgatcctgac	180
caattgattc	cgtccgagga	tcctattgta	agcctctaa			219

<210> 10973

<211> 1038

<212> DNA

<213> A.fumigatus

<400> 10973

catcccaagg	ccgaattcga	tggcaagaac	tacgtctatt	cacgggagtt	cgcacccaat	60
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gcgacccgct tgcaggccat tctctccacc ttacttggta gccatgccgt cagctatgcc 120
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ggcgaaggct accacggcag ccacgaagtc atcgggtgtt tcacccgtct cacaggactc 240
aagaagctcc cgctggactg tcccgcagaa gacctgcaag aagggtgatgt gatcctcctc 300
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gagtcgttga ttgagtggcg ggccctgtcg gattccagag ttgatcggaa gttgctgagg 960
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<210> 10974

<211> 630

<212> DNA

<213> *A.fumigatus*

<400> 10974

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agcgttacca gcgagccccg cgcgaaaagc acatcctccg acaccgactt cacagacca 180
gacgccgtct cgagatggat gacctgtgac ggggcggacg catggcgcat cgcgtacgcc 240
ggcaacgtct ggtcgcacca ttctctcaca gctgcgctgc tgccgctgct tgtgaaggga 300
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cttacgaggg agtgggcgca tacttttctg ccgttggggg ttctgtgtgag ttgtattgcg 480
ccgagcgtgt tcccgaatga gattagtgtg ggcaggtttg atgaggatcg gaggtccacg 540
caggaagaag agttatggag gaagattccg gctggtgagt cttgctttat tgcagtcggg 600
ggttgtgctt tgcaactgg agtgagctga 630

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<210> 10975

<211> 495

<212> DNA

<213> *A.fumigatus*

<400> 10975

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ctcgaagcag ccaccctttt cgaggtcagg ggttatgtgg ccgtcgtcac aggagcaggc 120
aacggcgctt gccatcatgg cgctcagaca ttagcagcaa acggcgctcg agtctacatc 180
atcggtacga gggaggagat cctcgacacg attggggaga aatattcctt caaagggcag 240
atcacaccgt gcgtcctgtc ccactccatc ccactctcca ccgcccctac tgacgagggg 300
atactgactc cagactcccc ggagatactt ccactacaga cggaattcgt ggcacgcag 360
cagaactcac caaagccgaa tcaaaaggga tcaacattct catcaacagc gcaagcggtt 420
ccagcgagcc ccgcgcgaaa agcacatcct ccgacaccga cttcacagac ccagacgccg 480
tctcgagatg gatga 495

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<210> 10976

<211> 642

<212> DNA

<213> *A.fumigatus*

<400> 10976

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tgcttcaaaa	tccgttacct	ccagcgaatc	accatcctcc	gaggaaatca	cgagtcccg	180
cagatcacac	aagtgtatgg	gttttatgac	gagtgttg	gcaaatacgg	caatgccaat	240
gtctggaaat	actttaccga	tctcttcgac	taccttcctc	tcaccgctct	catcgagaac	300
cagatcttct	gcctgcacgg	cggtctgagt	ccctccatcg	atactctgga	caacattcgc	360
tctttggatc	ggatccagga	agttcctcat	gagggaccca	tgtgtgatct	gctctggagt	420
gatcccgcg	accgatgcgg	ctgggggtatc	tctccccgtg	gtgctgggta	cacctttggg	480
caagatatct	cggaagcatt	taatcacaac	aacggcttga	cccttggttc	acgagcacat	540
caattgggta	tggagggcta	caattgggtcg	caggatagaa	atgtgggtcac	catttttttcg	600
ggtatggccc	ctcttcccat	tcttatttgt	accaccact	aa		642

<210> 10977

<211> 330

<212> DNA

<213> A.fumigatus

<400> 10977

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aacatgtcct	tctcagcccc	caattattgt	taccgctgtg	gtaaccaggc	cgcaatcatg	180
gaaattgacg	agcatctgaa	atacacattg	tatgttccat	tgaagcaaa	tggtcgacct	240
tggttcatcc	gtactaactg	tttctcaaa	cttacaattc	gatccttgcc	cacgcgcggg	300
agaaccgatg	gtctcgagac	gtacacctga				330

<210> 10978

<211> 480

<212> DNA

<213> A.fumigatus

<400> 10978

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agacgtccac	aagtgtcctg	gaatgatgac	aagagagtat	tctatgttg	tctctataaa	120
tttttttgagc	gagacggcac	tgctgttgag	aaaatcttca	atgctagata	caaaggggac	180
ctagaggaca	gcggcttcgc	tgatgggaga	acttctagca	aaacattgaa	cactcaatgg	240
gtggacatga	agcgacatgg	ggatcctatc	tggggccgtg	tccataagtc	tcctctcaac	300
caagacgatt	ggttaccat	caaaaaacata	atcatcgatg	ttgtcagtc	acttggagtc	360
ccccttgctg	agaaggaaat	cgatgatata	gacacgtcaa	actaccgctc	aagggccgct	420
aaatctggca	ggaccattac	ttccgaccca	gttgttccaa	cctcaagttc	tgtaggttaa	480

<210> 10979

<211> 753

<212> DNA

<213> A.fumigatus

<400> 10979

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aaggcatcaa	tactcggaag	cggatcatcg	ccggcttatt	tgctgactct	gaggtcagca	120
aattccttcc	tgacgaaatt	tccttggaag	aattcgatgg	ttgtcctgaa	tcatgtcagt	180
atcgcaagcc	atccaagccc	cttcatctcc	acatttcagt	ctatcctagc	ccccatccac	240
cgagcactgt	ggggaaaagga	aggagctatg	gtctcgatca	tcgatacaag	gaagcttaca	300
ggcccagtgt	acttcgccaa	atcccttgta	cagcagaaca	agatccgaat	ccggggctat	360
aatggcgtag	gagaatatct	tatatgggga	gagatccaga	cacctgcgat	aatttgctct	420
ttcaagatca	ctacactcat	ccagattgcg	cacaagaatg	aagatatcgg	cagaattctg	480

caacttgaca	aaatgcctc	ctgtaaactg	gttcggggaa	agctacgaac	agttctttcc	540
aacgagaccg	acagtatgaa	tttggatcat	gcttctgggtg	tcagcttggg	taaattactc	600
cgcctgatca	atgtgcccc	ggcatattat	cagatggctg	gtgagggtat	cctcaagtca	660
tggcagctac	agaagcacgg	agattggcag	gaatttctcc	aaggacttga	agttgggttt	720
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<210> 10980

<211> 534

<212> DNA

<213> A.fumigatus

<400> 10980

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aatcatcttg	ttcagcatgg	caccgttgtg	catgaagaag	aggaagagag	attcgaagag	120
atagaggaag	acaaagatga	agacgaagac	gaagacgaag	acgaagagga	aaaggaagag	180
gaagatgatg	atagtgaacg	ctttcagtct	gtcattggca	cgccttgtcc	agttcgacta	240
gcacatactg	tctcatctat	cccaccaccg	gaccctcggc	ctgtcaatcg	aattgagctc	300
tacaatcccc	ctaccagaaa	ttggtctctg	gccgaagaat	catccactcc	tacggagatc	360
gaggctttct	ctcgagaatt	cagcgtgatt	ttcttggatg	acttcgaaga	agaaattgaa	420
gagctcgggg	atacgatcat	ggggaaggat	atttctgac	tgtctacacc	cgagcatcca	480
cccaaggatc	aattcgctc	agatcgcgag	aggattaagc	gttttctaaa	gtga	534

<210> 10981

<211> 366

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (123)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10981

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cantacgtcc	ccaagtacaa	ccgttatgag	aagagacaca	aaaaccttgc	cgctcacgtc	180
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agcaagactg	tatgtggaaa	tcctccaagg	aacggctctg	cgcgatattt	ccggcagcgg	300
ttgatgctga	aatggaaatt	atcatggagc	ggtcgtcaat	ccaccctcag	tatcaatcct	360
gtctaa						366

<210> 10982

<211> 261

<212> DNA

<213> A.fumigatus

<400> 10982

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ttctttttcc	tcttcgtctt	cgtcttcgtc	ttcgtcttca	tctttgtctt	cctctatctc	120
ttogaatctc	tcttctctct	cttcatgcac	aacggtgcca	tgctgaacaa	gatgatttct	180
tccaatttcc	ttagccagag	ctgttctctg	aggccttgca	tccaagttgt	ctgggtatca	240
ggtgaggggt	gtttgacgta	a				261

<210> 10983

<211> 1689

<212> DNA

<213> A.fumigatus

<400> 10983

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atgcatagag	acccacgcaa	taaaaacacc	tgtgtagaga	caacctccat	ggcaactccc	180
agcagcgatg	ttcctgttcc	ccatttagcg	tgcgggcaga	ctcggcgtga	ccgagaggat	240
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ttgcaaagaa	gcgagagttc	agccgtcagt	gctaacagca	gtgtcccttc	caacggtggc	360
cgatggggaa	atatcttttc	cggtttgtgg	atctcgcgcc	atgagtcgtc	cacagccgaa	420
ggcaatcca	ccgtcccagt	tgcggaacct	cgaaagcggt	cggtgtctgc	ttatgtcggc	480
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cccggaag	tctcagagac	taccacgagt	ggcactatct	cgattcctcg	atcctcaagt	600
cagcaagggc	cggaagaaaa	tactccagag	ccgtcgtccg	tgccggagca	gaacagagaa	660
tcttccttga	aactgtctgt	gcggggtgat	gatggaatcg	tggacgtgga	acttccgctt	720
cccggtttc	tttccctttc	gtcgtcaggc	gattcgacca	tagcgtcccc	gaagaagaca	780
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<210> 10984

<211> 2556

<212> DNA

<213> A.fumigatus

<400> 10984

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ggcatatggg	gttctcctaa	tggttataag	ttagaggcac	ggtcaccgaa	caatcctccg	180
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aaggacatga	cagaggggtc	gttgcgaaa	gcaaaaagctg	cgccaaactt	cccatcaacc	360
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actatctcta	gaacacaagc	acactatcga	caactagaaa	attctctcac	gaccaaattg	480
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gaacgtgttg	ataaattgag	ttcagatatt	gctcaatttg	cctctcagga	aaccatactg	780
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ccggagggtc	cagcaacagt	tcgaattgac	gcattctaaaa	ttgagttgcg	tttaagaat	1080
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ttcgcagaaa	tggaggagat	taagaaatca	accgtcgaca	aagccgacat	aaaatcattg	1260
aaagacaact	acagccgcct	tgctgacgaa	acacggagaa	taagccagtt	ggaccgtgca	1320
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aaccagatga	aagtcgtgat	gagtgaaatc	accctaaata	aaaaggattt	gcaatcgctc	2100
gatgatcggt	tccgttgctt	agaggaaatc	gtgtcgggtc	atcatcggtg	tttgtcagag	2160
cagattaata	cactcaagga	ttctttggaa	accataaat	ccatagtaca	ggcgctagat	2220
tgtctccag	ccagtgggat	gcaatcactc	aagcgagaac	agagcccttc	gggatcagat	2280
gccgccccac	acacgaactt	tggtgagatg	accgagacca	atcctgcgtt	ggcattgcgc	2340
gagaagaaaa	gaaagaagaa	acgaccacgc	cctccaactg	tatccgacaa	tgaaaatgag	2400
aggtcatctg	gttctagaaa	cgagtctccc	atgatattct	cttcaccagc	tcatacgttg	2460
gacaatgaag	ttgcatcacc	ttcggagaa	aagagaaaga	ccaagaagaa	gaaaaaacgc	2520
aggttgatca	cggagggtcc	catcaccata	gactag			2556

<210> 10985

<211> 300

<212> DNA

<213> A.fumigatus

<400> 10985

aatattgcct	ggagaacatc	ctggacccaa	ctgcgggtatc	atatcaatac	atcccctgta	60
ttatttcaat	ttgttctcgc	ctctgatttg	cctgacggac	ccgactcgga	ggctcctgagc	120
ttcttcagca	agcgcgccga	cattactttg	agaccacact	ggtacgcttt	tgattcactt	180
caagatcttg	gaagacatcc	tttctctctc	cctgagatcc	tggttgctctc	tcacattgtg	240
atttcaagga	gctcctcgac	ctggctgtcc	tataccaata	gcgaatcttg	cctgacgtga	300

<210> 10986

<211> 618

<212> DNA

<213> A.fumigatus

<400> 10986

cgaatcttgc	ctgacgtgag	aagagccctc	tctatcatgt	caatcagtg	gccttgcgtc	60
tggtgtgctg	cggtgtcgcc	tctgcaaca	tccatctctc	ctgcgatcac	gaaccattta	120
ccggcaactt	cctggaatag	cgagcaggt	ctttcgcgat	caaggggtgag	cccgcgaagg	180
ttgccctacc	cgggggagaa	gggaggccat	tccgttcaga	agctggcagt	cgacatgcaa	240
ccgagtgtctg	tgcttaaggc	tgaaaatgcc	ttatcagcat	caaccgttgt	ggcaacgtct	300
aacctgttac	ggagttctga	ggcagagatg	ccgccacca	aggaagcaga	aagcagaagt	360
acagaagaga	cgctgtcacg	aatgaggtg	gatcagctga	accacagcga	atctcatcct	420
tctgggggttt	caacgcgacg	cagccctctc	gtttcaaaag	cggcttcgct	ggaagcaaag	480
aagcggcctc	aggaagagac	acgaggggat	gagaaggacg	atgggtgaggc	aatgggcata	540
tcgtcagacg	aaggaggaga	tcagaagaac	tcctctgacg	caaagactga	caagaagaag	600
atgaagcgg	tccggtaa					618

<210> 10987
 <211> 1401
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1236)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10987

cttgatgggc	gctttggacg	tgtgccgcat	ggcggatttc	gttgtgcttg	cgttatcgtc	60
ggaggtggag	gtggaggagc	agggggagca	gctgttgaga	tccatcgagg	gccagggtat	120
ttccaatggt	gtggctgtcg	ttcaggtatg	tcgggatcct	tcagccttgg	gattgtcggg	180
ctagtaggac	taaccgtggg	tttattttct	aagggcctcg	acaagatcaa	tcctcccaag	240
aaacgcccgc	aggtggcctc	ttcccttaaa	tcattcatca	accacttctt	tccttctgtc	300
gagaaggtcc	tgtctgtcga	ctcgagacag	gaatgttcca	acgtcgtccg	gtcgtgtgtg	360
accgcaacac	cgaaggggat	ccgctggcgg	gatgagcgga	gctggatgct	ggtggaggag	420
gtgaaatggc	ccgaggccac	aacagaagtc	gtcgacgatg	ttgttttgac	aggcattggt	480
cgcggaagg	gactgaaggc	cgaccgtctc	gtccatatcc	ctggatgggg	cgacttccag	540
atcgactcga	tcacggcagc	accactcccg	aatgcccag	cgaaacgcga	cgatgccatg	600
aatgttgatg	agaatgaagc	cccacagggt	ttggatgttc	ccaccgctga	ccgcgatgac	660
ctcgccactg	tggctcccga	ggagattgag	atggaggagg	atgatatctc	tatcgccgag	720
acggagcgca	aggtgttcct	cctagacgac	caccattact	tctccgatga	cgactcccat	780
ctgcccgcgc	gcccgaagag	actgcccagg	ggaacgtcag	agtaccaatc	ggcgtgggtc	840
atcgatgatg	tctccgactc	tggctccgac	attgaggaag	aagaggagca	ggacgaggct	900
atggcgatgg	ataccgctgg	aaaccccag	gacggcgtat	tcccggatcg	tcaggatgct	960
atgacagaag	ctggaccttc	tgagtacctt	cagtccgaga	tgttccttga	cccttcgccg	1020
gaagacgaag	ctcagcaact	ggaggagtat	cgggccagtc	gccgcaagga	agcgtcggag	1080
gacctggagt	tcccagacga	aatcgaactt	cattcctaag	tgcttgcgag	agagcggctg	1140
gctcgcttta	gaggtctgaa	gaatttcaag	actagccatt	gggagactgc	agaggaccgt	1200
ccgcataaac	caaaggactg	gcgcccggct	ctgcanattg	tggattacaa	aggctccaaa	1260
aacaaaactc	tccgtgaagc	tctggttggc	ggtgttgaa	ctggcataag	ggttgatgtc	1320
cccttgctgt	gagtgccatc	gtccctccgt	aatcgccggc	agcccctgtc	tctcttctca	1380
cttctccgtc	acgagcacta	a				1401

<210> 10988
 <211> 504
 <212> DNA
 <213> A.fumigatus

<400> 10988

tcaggcaagg	tcgagcgggg	tactcgcaaa	acccctcacc	agcaactcat	gtcgaagctc	60
gatcgctcga	accaggctcg	tcaaaaacag	cagctcaagc	atcaggagaa	ggcgcaggcc	120
aacagtatct	tcaccggagc	gaacggtgcc	ccccgccatg	tcgcagtcgt	gccgctttcc	180
gtcgatgtcg	atgtcgctgc	aatcctccgg	tctttgaatg	aaagtgtgga	cgtttcggcc	240
gatgtttccg	cggacacgat	ctctcgtgtg	cgcattgatc	gcttcagaca	gagcctgcag	300
tatatctctg	cgaaatatga	cttgatgggc	gctttggacg	tgtgccgcat	ggcggatttc	360
gttgtgcttg	cgttatcgtc	ggaggtggag	gtggaggagc	agggggagca	gctgttgaga	420
tccatcgagg	gccagggtat	ttccaatggt	gtggctgtcg	ttcaggtatg	tcgggatcct	480
tcagccttgg	gattgtcggg	ctag				504

<210> 10989
 <211> 792
 <212> DNA

<213> *A.fumigatus*

<400> 10989

tggtgggtcgt	ctaggaggac	acccttgccg	tccgtctcgg	cgatagagat	atcctcctcc	60
tccatctcaa	tctcctcggg	agccacagtg	gcgaggtcat	cgcggtcagc	ggtgggaaca	120
tccaaaacct	gtggggcttc	attctcatca	acattcatgg	catcgtcggg	tttcgctcgg	180
gcattcggga	gtggtgctgc	cgtgatcgag	tcgatctgga	agtcgcccc	tccagggata	240
tggacgagac	ggtcggcctt	cagtcccttt	ccgcgaacaa	tgctgtcaa	aacaacatcg	300
tcgacgactt	ctgttgtggc	ctcggggccat	ttcacctcct	ccaccagcat	ccagctccgc	360
tcctcccgcc	agcggatacc	cttcgggtgtt	gcggtacaca	gcgaccggac	gacgttggaa	420
cattcctgtc	tcgagtcgac	agacaggacc	ttctcgacag	aaggaaagaa	gtggttgatg	480
aatgatttaa	gggaagaggc	cacctgcggg	cgtttcttgg	gaggattgat	cttgtcggag	540
cccttagaaa	ataaacccac	ggttagtcct	actagcccga	caatcccaag	gctgaaggat	600
cccgacatac	ctgaacgaca	gccacaacat	tggaaatacc	ctggccctcg	atggatctca	660
acagctgtct	cccctgtctc	tccacctcca	cctccgacga	taacgcaagc	acaacgaaat	720
ccgccatgcg	gcacacgtcc	aaagcgccca	tcaagtcata	tttcgcagga	atatactgca	780
ggctctgtct	ga					792

<210> 10990

<211> 1443

<212> DNA

<213> *A.fumigatus*

<400> 10990

gagacagcgt	ccttgggtca	ttccgataca	gcggactcct	tatcagggat	tccacagggg	60
aattcgatca	ggatgatggg	atacgggggt	catcagtatc	atcctcagcg	tcaagcgcag	120
caaaatgcc	atcccagca	gcagcagcat	ctgcaatcgc	catcgtgag	cggggccgct	180
gcgcattcgg	tccatagcag	caatggcatt	gctgccaa	gttccctgct	ccggggccag	240
cagcagtcag	acctggcgag	taattcgccc	gatctgagga	agatgactcc	ctcgtcgtcc	300
gcgtcgatgg	tgggttttac	cgcgggagga	ggctatggca	cctacggtca	ttatgcccct	360
cagggcactt	cagatctttt	gtccagacat	accgactccg	tcgggtcaatt	gaaagatccg	420
tatctctcgc	agatacagag	tttgcaaaga	aacatgaatc	ccatggcaaa	acttccgtcc	480
gcaccagccc	atgaaccctc	aagccgccat	gtcgccacat	gtcaggcgga	tgagtatttc	540
gtctccgcag	cagtcatacg	agaggttgca	acagcatccc	catctgcagc	accggcagac	600
atcccatacg	catcctctcg	tgacttcgcc	tgcggccgcg	tcgcccattg	ttgcgactac	660
tcaacccag	caaactcagc	accagtacca	gcaagcgcaa	cagcagcagc	agcaaccaca	720
gtatccgcaa	tcctcacagc	agaccgcgta	tcagcagacc	caggcgcaag	catctccgta	780
ccaacagcat	cagtcgtctc	cgttccaaca	tcaccaggcg	caggcatcgc	cataccagca	840
cacgcagcag	acttatcagc	agcaagctca	gcagacgtat	caacagcaac	agcaagctca	900
gcagtcacgg	taccaggcac	agcaaccgca	gcagcatcag	ttccaacagt	atccgtacca	960
gcggtaccag	caggctcaac	aagcccaaca	ggtgcatgca	cagcaagcac	aacagacca	1020
agtacaacca	acacagccag	cacagcatgt	gcagcagcag	actcagcagc	acaactgccc	1080
ggaagcgaca	caaaccagc	cgtctcaaca	accgcacgaa	caagcagtcg	agcaagcatt	1140
gcagcaacat	cgccaggctc	aacagcaagc	ccatcaacat	cagagacagt	cgcagcagcc	1200
gagtccttac	gctcaacagg	cacagcaaca	tacgcagcag	catacgcagc	aacatacgca	1260
gcaagcccaa	gccagcaaaa	cgcattccgca	gcaaacgcat	cagttccatc	agcagtcgca	1320
gcatcagcag	ccacagcaaaa	agcaagcgac	gccatcaatc	caaccggctg	ctttgagcgg	1380
agcaaaacct	gctactcaag	aacccagaaa	ggaggaaacg	aaaccaacga	agaagcgtgg	1440
tag						1443

<210> 10991

<211> 603

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (283), (301)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10991

gtcggagaca	gccccaggca	caacccccaa	acccaaaaca	ccgcgcaagc	catccaccac	60
gaaacccggg	ggcaactggc	ggccacgcgg	tcgtcctcgc	aaggccgacg	tggaagcacg	120
gaagcgagcc	gaagccgaag	ctcaagccaa	ggccgaggcc	gaggcgcaag	ccaagagca	180
cggacaagga	cagggacaat	ggcatggaca	ggcacaggta	catgcacatg	gacatgcaca	240
tggaacaaca	cctgttcagg	tgcaggttca	acctccggcc	canccgcaac	cacaagcgca	300
ntcgcaagcc	ccggctcaac	ctcaaattca	gattcccgtg	cagcctcagc	accaagttca	360
gccgtcacct	cagcctcagc	ctcagcatct	tcacatcag	gcgtctccgc	aactgcaagc	420
aaacgcgcat	accagcattg	gcaacattgc	gaaacgcgat	cagcatgggc	aaccaacaaa	480
aacattccac	aacaacagca	acaaccctcc	gaatcccatg	aagttgaccc	cgcccccaaa	540
aacgcggccc	ccccaatgaa	cgggaaacaa	ccccgcaaaa	agcgtcttac	ctccatgccc	600
cat						603

<210> 10992

<211> 2271

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1995), (2013)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10992

atcccatggc	aaaacttccg	tccgcaccca	gccatgaacc	ctcaagccgc	catgtcgcca	60
catgtctcagg	cgatgagtat	ttcgtctccg	cagcagtcac	acgagagggt	gcaacagcat	120
ccccatctgc	agcaccggca	gacatcccat	acgcatccct	ctgtgacttc	gacctcgggc	180
gcgtcgccca	tgcttgcgac	tactcaaccc	cagcaaactc	agcaccagta	ccagcaagcg	240
caacagcagc	agcagcaacc	acagtatccg	caatcctcac	agcagaccgc	gtatcagcag	300
acccaggcgc	aagcatctcc	gtaccaacag	catcagtcgt	ctccgttcca	acatcaccag	360
gcgaggcat	cgccatacca	gcacacgcag	cagacttata	agcagcaagc	tcagcagacg	420
tatcaacagc	aacagcaagc	tcagcagtc	cgtaccagg	cacagcaacc	gcagcagcat	480
cagttccaac	agtatccgta	ccagcgggtac	cagcaggctc	aacaagccca	acaggtgcat	540
gcacagcaag	cacaacagac	ccaagtacaa	ccaacacagc	cagcacagca	tgtgcagcag	600
cagactcagc	agcacaactg	cccgggaagcg	acacaaaccc	agccgtctca	acaaccgcac	660
gaacaagcag	tgacagcaag	attgcagcaa	catcgccagg	ctcaacagca	agcccatcaa	720
catcagagac	agtcgcagca	gccgagtccc	tacgtctaac	aggcacagca	acatacgcag	780
cagcatacgc	agcaacatac	gcagcaagcc	caagcccagc	aaacgcaccc	gcagcaaacg	840
catcagttcc	atcagcagtc	gcagcatcag	cagccacagc	aaaagcaagc	gacgccatca	900
atccaaccgg	ctgctttgag	cggagcaaaa	cctgctactc	aagaacccag	aaaggaggaa	960
acgaaaccaa	cgaagaagcg	tggtagacaa	cccaaggccg	cagccgcagc	cgcagccgct	1020
tccgcgtctc	ctgcgattgc	ttcaggcaag	atcaacggaa	cgacacaacc	aacgccagcc	1080
gcctatcgtc	ccgaggcccc	atcgccgatc	caattcgtag	ctcagcatcc	acaccttcca	1140
cagactcaag	ctcacgctca	ggcccacact	cagacgcaag	cgcaggctca	accctatccc	1200
caagcccaac	ctcagcccca	gtttcaacca	caagctcagg	tgcttaacca	gctgcagaac	1260
cccacagcta	tgcaaggcca	gaaccagggc	caaggccaga	accaaggcca	aggccagggc	1320
cagaaccagc	gtcaaggcca	accgcagacc	caaggccaga	cgacagagta	acagcagggt	1380
ccagcgaatg	cagcgggctc	tggtactcct	ggtgctccag	gtgcttcaca	gcaacctgct	1440
cctacacccc	ggaagcgcgg	ccgtccacgg	aaaaatccct	tgcccgatgg	agcacagcct	1500
ccaaagccta	aggcctaagaa	acccgcttcg	accgctgcaa	gtgcacccgc	cgcggccggc	1560
gctgggtggg	ctccgggtgg	caccgcgctt	cctgggtcaag	gaaccaatgc	tgcccctggc	1620
acagctaccg	ctccagggtgc	tgccccgggt	cctgggtcctg	atggttctgt	ccctgccgtt	1680

cctgtaaagc	gaggccgcgg	acggccccgt	aagtcggaga	cagccccagg	cacaaccccc	1740
aaacccaaaa	caccgcgcaa	gccatccacc	acgaaacccg	gtggcactgg	tcggccacgc	1800
ggtcgctctc	gcaaggccga	cgtggaagca	cggaagcgag	ccgaagccga	agctcaagcc	1860
aaggccgagg	ccgaggcgca	agcccaagag	cacggacaag	gacagggaca	atggcatgga	1920
caggcacagg	tacatgcaca	tggacatgca	catggacaaa	cacctgttca	ggtgcaggtt	1980
caacctccgg	ccanccgca	accacaagcg	cantcgcaag	ccccggctca	acctcaaatt	2040
cagattcccc	tgcagcctca	gcaccaagtt	cagccgtcac	ctcagcctca	gcctcagcat	2100
cttcattcatc	aggcgtctcc	gcaactgcaa	gcaaacgcgc	ataccagcat	tggcaacatt	2160
gcgaaaccgc	atcagcatgg	gcaaccaaca	aaaacattcc	acaacaacag	caacaaccct	2220
ccgaatccca	tgaagttgac	cccgccccca	aaaacgcggc	ccccccaatg	a	2271

<210> 10993

<211> 753

<212> DNA

<213> A.fumigatus

<400> 10993

cttcgcctgc	ggccgcgtcg	cccattgctt	cgactactca	accccagcaa	actcagcacc	60
agtaccagca	agcgcaacag	cagcagcagc	aaccacagta	tccgcaatcc	tcacagcaga	120
ccgcgtatca	gcagacccag	gcgcaagcat	ctccgtacca	acagcatcag	tcgtctccgt	180
tccaacatca	ccaggcgag	gcatcgccat	accagcacac	gcagcagact	tatcagcagc	240
aagctcagca	gacgtatcaa	cagcaacagc	aagctcagca	gtcacggtag	caggcacagc	300
aaccgcagca	gcatcagttc	caacagtatc	cgtaccagcg	gtaccagcag	gctcaacaag	360
cccaacaggt	gcatgcacag	caagcacaac	agacccaagt	acaaccaaca	cagccagcac	420
agcatgtgca	gcagcagact	cagcagcaca	actgcccggg	agcgacacaa	acccagccgt	480
ctcaacaacc	gcacgaacaa	gcagtgcagc	aagcattgca	gcaacatcgc	caggctcaac	540
agcaagccca	tcaacatcag	agacagtgcg	agcagccgag	tccctacgct	caacaggcac	600
agcaacatac	gcagcagcat	acgcagcaac	atacgcagca	agcccaagcc	cagcaaacgc	660
atccgcagca	aacgcatcag	ttccatcagc	agtcgcagca	tcagcagcca	cagcaaaagc	720
aagcgacgcc	atcaatccaa	ccggctgctt	tga			753

<210> 10994

<211> 768

<212> DNA

<213> A.fumigatus

<400> 10994

gcggagcaaa	acctgctact	caagaaccca	gaaaggagga	aacgaaacca	acgaagaagc	60
gtggtagaca	acccaaggcc	gcagccgcag	ccgcagccgc	ttccgcgtct	cctgcgattg	120
cttcaggcaa	gatcaacgga	acgacacaa	caacgccagc	cgcttatcgt	cccaggcccc	180
catcgccgat	ccaattcgta	cctcagcatc	cacaccttcc	acagactcaa	gctcacgctc	240
aggcccacac	tcagacgcaa	gcgcaggctc	aacctatcc	ccaagcccaa	cctcagcccc	300
agttttcaacc	acaagctcag	gtgcctaacc	agctgcagaa	ccccacagct	atgcaaggcc	360
agaaccaggg	ccaaggccag	aaccaaggcc	aaggccaggg	ccagaaccag	ggtcaaggcc	420
aaccgcagac	ccaaggccag	acgcagagtc	aacagcaggg	tccagcgaat	gcagcgggct	480
ctggtactcc	tgggtgctcca	ggtgcttcac	agcaacctgc	tcttacaccc	cgggaagcgcg	540
gccgtccacg	gaaaaatccc	ttgcccgatg	gagcacagcc	tccaaagcct	aagcctaaga	600
aaccgcgttc	gaccgctgca	agtgcacccg	ccgcggccgc	cgctgggtgg	gctccggctg	660
gcaccgccgt	tcttggtcaa	ggaaccaatg	ctgcccctgg	cacagctacc	gctccagggtg	720
ctgccccggg	tcttggtcct	gatggttctg	tccctgcccgt	tccgtgtaa		768

<210> 10995

<211> 735

<212> DNA

<213> A.fumigatus

<400> 10995

cagggttttgc	tccgctcaaa	gcagccgggtt	ggattgatgg	cgtcgcttgc	ttttgctgtg	60
gctgctgatg	ctgcgactgc	tgatggaact	gatgcgtttg	ctgcggatgc	gtttgctggg	120
cttgggcttg	ctgcgtatgt	tgtgcgtat	gctgctgctg	atgttgctgt	gcctgttgag	180
cgtagggact	cggtgctgc	gactgtctct	gatgttgatg	ggcttgctgt	tgagcctggc	240
gatgttgctg	caatgcttgc	tgcactgctt	gttcgtgcgg	ttgttgagac	ggctgggttt	300
gtgtcgcttc	cgggcagttg	tgtgctgag	tctgctgctg	cacatgctgt	gctggctgtg	360
ttggttgtag	ttgggtctgt	tgtgcttgct	gtgcatgcac	ctgttgggct	tgttgagcct	420
gctggtaccg	ctggtacgga	tactgttgga	actgatgctg	ctgcggttgc	tgtgcctggt	480
accgtgactg	ctgagcttgc	tgttgctgtt	gatacgtctg	ctgagcttgc	tgttgataag	540
tctgctgcgt	gtgctgggtat	ggcgatgcct	gcgcttggtg	atgttggaac	ggagacgact	600
gatgctgttg	gtacggagat	gcttgccgct	gggtctgctg	atacgcggtc	tgtgtgagg	660
attgcgagata	ctgtggttgc	tgtgctgctg	gttgccgctt	ctggtactgg	tgtgagttt	720
gctgggggtt	agtag					735

<210> 10996

<211> 651

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (64), (82)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10996

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cgantgcgct	tgtggttgcg	gntgggccc	aggttgaacc	tgcacctgaa	cagggtgttt	120
tccatgtgca	tgtccatgtg	catgtacctg	tgcctgtcca	tgccattgtc	cctgtccttg	180
tccgtgctct	tgggcttgcg	cctcggcctc	ggccttggtt	tgagcttcgg	cttcggctcg	240
cttcctgtgct	tccacgtcgg	ccttgcgagg	acgaccgcgt	ggccgaccag	tgccaccggg	300
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cgacttacgg	ggccgtccgc	ggcctcgctt	tacaggaacg	gcagggacag	aaccatcagg	420
accaggaacc	ggggcagcac	ctggagcggt	agctgtgcca	ggggcagcat	tggttccttg	480
accaggaacg	gcggtgccag	ccggagcacc	accagcgggc	gccgcggcgg	gtgcacttgc	540
agcggtcgaa	gcgggtttct	taggcttagg	ctttggaggc	tgtgctccat	cgggcaaggg	600
atttttccgt	ggacggccgc	gcttcggggg	tgtaggagca	ggttgctgtg	a	651

<210> 10997

<211> 450

<212> DNA

<213> A.fumigatus

<400> 10997

tggcgtcgct	tgtttttgct	gtggctgctg	atgctgcgac	tgtgatgga	actgatgcgt	60
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cgtatgttgc	tgtgcctggt	gagcgtaggg	actcggtgc	tgcgactgtc	tctgatgttg	180
atgggcttgc	tgttgagcct	ggcgatgttg	ctgcaatgct	tgtgcaactg	cttggtcgtg	240
cggttgttga	gacggctggg	tttgtgtcgc	ttccgggcag	ttgtgctgct	gagtctgctg	300
ctgcacatgc	tgtgctggct	gtgttggttg	tacttgggtc	tgttgctgct	gctgtgcatg	360
cacctgttgg	gcttgttgag	cctgctggta	ccgctgggtac	ggatactggt	ggaactgatg	420
ctgctgcgggt	tgtgtgcct	ggtaccgtga				450

<210> 10998

<211> 522

<212> DNA

<213> *A.fumigatus*

<400> 10998

tggcggatca	tactttctct	gcttggcggc	cgtctagtaa	aaaatggtag	gaggttcctg	60
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ggtgaaaaga	aatatctccc	ttatcctgcc	ggctatcagg	gctatccgac	ggtcgcgatg	180
attactgccg	cagtgaacga	aagtgggatc	acacccgtcc	ggctcgggga	ggagagcatc	240
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ggtccatgcc	ctgtcttcaa	gctctgcgtc	cctggaggcg	cggtgagtcc	ggagacctgc	480
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<210> 10999

<211> 210

<212> DNA

<213> *A.fumigatus*

<400> 10999

gtacatatcc	agatacgtat	gtatgcatcg	atacttaaag	gaaaatttac	ctcttgtaag	60
aactccttcc	atttogataa	tctagctctc	tacaagtcac	agatagtcag	tgtccctca	120
aaaattctgg	tactattata	ttacctcgag	ggctgcctgc	tgtgccattt	aatttctgtc	180
cgtggagccg	ggatatectc	cacagattga				210

<210> 11000

<211> 438

<212> DNA

<213> *A.fumigatus*

<400> 11000

ccttcctacg	accagcaaca	gcaccacct	caatattccg	gtcctcctcc	ttcatacggc	60
caacaggggt	atccgcctca	acatggcgct	cctcaccagc	agggcgggta	cgcaggatgat	120
caaaactacg	ggcaaggcgc	gccgatgaac	tatccgccac	acgactgcgg	tcactctccg	180
tatccccccc	agcagcaaca	atacaatccc	caaggagcaa	gcgcattcta	ctatggcgct	240
cctcaccggg	aacaacacca	gcagggggcg	catgctcctg	ttcccgtcgg	acaggagggc	300
gaaagggggc	tgggctcgac	cttgcttggg	gggtgctgctg	gtggtattat	aggcaaaaag	360
cttggtggtg	gacttctagg	cgctgcagga	ggagcactag	caggcgctgc	aggaatgaac	420
atggccacta	agatgtaa					438

<210> 11001

<211> 330

<212> DNA

<213> *A.fumigatus*

<400> 11001

gcagatgcag	aaatggcgcc	gcaaataaaa	cacaaatccg	gtgattcagt	tcattcacaa	60
gcaccacagc	tctctgacca	tcggaagggtg	cagtcctttt	gggaatggct	tcaagggtcaa	120
tttcaattga	ggcctcctga	tgatgatgag	cctcaagact	ggtggcttgc	atctaccgcg	180
gtacctttag	tcgccgctgc	cactggcccc	cttgcaaatg	tcattgtcagt	tgttgctttg	240
gtcatgccat	ggagaagtca	catatccttc	gaccagaaaag	actcgcttgg	aaaccatttg	300
caagttgggt	tctctgacct	tcgatggtaa				330

<210> 11002

<211> 1647

<212> DNA

<213> *A.fumigatus*

<400> 11002

ttgggttcg	caactgttg	gctgcatgt	tttgcaagc	cgattgcac	gaatgaactt	60
tactcgcag	cttactggg	tgccgttat	gcccgaatc	tttattttt	tctcagcgct	120
atattgatc	tcaatatgt	gggatatac	cttggccatt	atccccagta	cttcgctctt	180
accgatggt	agcgaactc	gatacctac	actttgtcat	ttgtcatctg	gctattgac	240
ggtgctgtg	tcttttccag	ggtcatagac	atatcattcg	cagatgcgct	atacttctcg	300
gatgtaact	tcttaaccgt	gggattcgg	gatattgcac	ctacaaatgc	cattggaaga	360
ggcattctat	tcccttacgc	cgtgatgggc	atcatcatgc	taggtctagt	ggtcggtagc	420
attcatcagt	tcgccaaaga	tcttcagtat	gacaatgtca	ttcgcaaaca	tattgagcgg	480
aagcggctag	caactatcag	acgtgctact	acattagaaa	aaaagtgtac	tggcccagca	540
gagaacgggg	ctcacacgag	tggctctgga	acagcacaga	ttggctatcg	gcctcattat	600
tcacgtgaac	atcccatcat	cagcagtatc	agctcctgga	ctcagggact	ggcgggtcgg	660
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aaagaaacga	tcattcttcg	tccaacatac	aatctattat	tgagcatcgc	tatttttggg	780
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cagcaactcg	catttgcaat	acgacggaca	gcaagacatg	ccctcgcacg	ccgccgaag	1320
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gaaagcgtga	tacgatatgt	ggatgggtcaa	ggtcgcagac	agccttctga	ccaggacgta	1560
aaacctttga	gtgtagccaa	cggtgacgag	gatgtcgagg	agcctacgct	gaggaaggaa	1620
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<210> 11003

<211> 441

<212> DNA

<213> A.fumigatus

<400> 11003

ctcaaaaaat	actactccct	gctcatgtgg	ctggtgacgc	gtacaactgc	acagcgaaac	60
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catgctctac	agctgctacc	gccgcccgcg	aaaactcaag	cgtctcgtca	taatgctcct	180
ccccatcctc	ctaaccgccc	ttttcctctc	ccccctgtat	ctgatctaca	aaccgccaag	240
cctcctcatc	cgctacctcc	aacaccgcta	cccagacgtc	ctcttccacg	tcccgcgccc	300
cagccacaag	aagctcgtgg	cgctgaccat	cgacgatgcc	ccctcgcaat	atacaccgca	360
gatagcagca	acgctaaagg	cgcacagcgc	atccgcgacg	ttctttgtga	ttgggtcgca	420
gatggacggg	gacgggcgtg	a				441

<210> 11004

<211> 792

<212> DNA

<213> A.fumigatus

<400> 11004

cacaacacca	tgctctacag	ctgctaccgc	cgccgcccga	aactcaagcg	tctcgtcata	60
atgctcctcc	ccatcctcct	aaccgccttt	ttcctctccc	ccctgtatct	gatctacaaa	120
ccgccaagcc	tctcatccg	ctacctccaa	caccgctacc	cagacgtcct	cttccacgtc	180
ccgcgcccga	gccacaagaa	gctcgtggcg	ctgaccatcg	acgatgcccc	ctcgcaatat	240

acaccgcaga	tagcagcaac	gctaaaggcg	cacagcgcat	ccgcgacgtt	ctttgtgatt	300
gggtcgcaga	tggacgggga	cgggcgtgag	gccgtgcttg	cggacctggt	gcgcgcggga	360
cacgagctgg	ggaaccatgc	tatgcgggat	gagccgtcgc	gtgcgctgag	cgatgaggag	420
ctctcggcgc	agattgcgga	ggtgcaggca	cggataagtc	gggtgtatgc	gcgggctggg	480
gtcgaggaac	cgcggttag	gtggtttcgg	ccgggaagtg	ggtttttcag	tgagaggatg	540
aggagggttg	tggggggaat	ggggctacgg	attgcactgg	ggagtgtgta	tccgcatgat	600
ccgcaggtcc	cgtacgcgtg	gatgaatgcg	gcgcataatc	tgagtatggt	gcggccgggg	660
agtgtgatta	tctgccatga	tccgaggagt	tggacggtgc	cgatgctcgg	caggggtttg	720
ccggagttga	ggaaaagggg	gtatcggggt	gtgacgctga	gtgagttggt	aaaggatgcg	780
gagaactcat	aa					792

<210> 11005

<211> 768

<212> DNA

<213> A.fumigatus

<400> 11005

acatgttacc	agcagataac	ccggcccccg	ccgggaagca	aaccatccac	ggaaccattc	60
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ttcaacgtct	gcgcgcgctg	tattcgcaat	ctgcgcattc	ttatgccgca	acaccgcgag	180
acgttcacaa	gaagcgccac	catgcaggaa	caggtctgtg	atttcgtggc	ggacagtccg	240
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tcaccacggc	ccgacatgac	tgcgttctctg	gcttacgctc	gtcgcaaggt	cgtactacga	360
gactgtcgcc	gggatcggcc	ggttcttggg	acgtgggtact	atatgccgca	gctgcccag	420
ttcacgggtg	gtgaggattg	ctacgacgac	gtgggtgtggc	cgctgggtcaa	ggcgaataag	480
cccacgcgcg	ggcaattctt	gaccaggatg	cggctcgcac	caggggatgc	accgactcga	540
tgccgggaag	ccagctgcca	gctgtactcg	ccccggatcc	gggccaagtt	ccgcgacgcc	600
gtgcagcgaa	acgatctggc	gtacctgaag	ctgatcgcgc	tgaagcgcta	cgacgttgag	660
cagcacattc	gagaacggcg	agaggagtta	ttggaggagg	agagcaaggg	atatgactgt	720
gacgctgagc	tgcggaagac	cttgctcgag	tggaggagggt	gggagtga		768

<210> 11006

<211> 414

<212> DNA

<213> A.fumigatus

<400> 11006

aatcatcgcg	ccatgtctgc	cgacgcgcgc	aagttggcag	agctgcgagc	tcttcgtgca	60
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gtcgatgacg	aaggttacaa	gaaaattatc	cgtgaccggc	tggatcagga	tgattttgtg	180
gtcgacgaca	acggtgaagg	atagcgcgat	gatggacggg	aagtctggaa	cgaacgagta	240
gcggactaca	acagcgaaa	cgacgatgag	gagttaccag	gacgcaacaa	agctgcaaaa	300
aggaagcggg	aagaggacaa	gcagaggaaa	gaaagaatca	acaatggtat	ctcaaaatac	360
ttcaacactg	gacctgctgc	gtctgctccg	aagccgaaag	tgagtcttat	ttga	414

<210> 11007

<211> 1644

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1531)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11007

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aatgtcgtcg cgaaccatgt ccctatacaa aatgtgatca agtcggaaac tcgacgcaaa 120
gtccgcattc tttcgccctc gttagcctcg aagccacgaa atgagaggat cagcggaaag 180
gacgagaaca gcgagccggt ctgcgaggtt aaccaagcac cggatctcga gttcgaagac 240
gacgatggac cgctccctac aatggatgac ggcgacgtgg ccatgagtga tcctatgcca 300
tcttcgcccc ttagcaaagt agttgagagg aaatcgaatg tcaacgtaaa gaaggagaag 360
tctgatgaag aggacaacga tctcatggag attgctccag caacaggaca aagtgaagcc 420
aaaatgacta gcgттаacat ggctggaagc cgtccgcctc cgaagataaa gaaggagaat 480
tatacaactc ctgcgagttc ttctcccgcg aaagcacctg tggacgttct gaacgcttct 540
tggaacgacg tccggagtaa actgaacgtc cttagtagtc cagcaacgga atcacggact 600
ttcggtaagc ttcgtgcaca ggatgtgatc gaagaagacg gaagtttgcg gatgttttgg 660
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gatgtttatg gagagggtga tgagataatg tccaggctca aagtcgggat gcataagatc 900
aagccgtgca cagcaagta tgcgtttgaa ttgcccgata ttccaagga agcagagtac 960
ttgaaattgc tctaccgta cgacaagccg gcattaccga tggaaaccaa gggcgaaacg 1020
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tcatggtgca agttcagatg tcaggttgca agacctgctt gcattacacc tgtgcctgac 1200
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atggatcctg atgtccttat gggacatcag ntacaagaag tcgacctcag catttttctc 1560
agtcgcttga aagaaaagaa gacccccggc tggcatcgca ttggacgtct agtcttcacc 1620
acggggctgg aaggaaccgc gatc 1644

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<210> 11008

<211> 195

<212> DNA

<213> A.fumigatus

<400> 11008

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cggatgatct gcgatggaa aaaagaaaaa aattacatac agtgtctaaa ttattacaaa 60
cagaggaaaa gaaaaacaca cgatttcctc ccctcttgga tttctttcat atccattcac 120
gaagctttct ctctttttac gctcttcctt tctcaccatc tcctcttttc cctctttttc 180
tataccacct tctag 195

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<210> 11009

<211> 306

<212> DNA

<213> A.fumigatus

<400> 11009

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tttcttatat ttaatattaa ttattcactt gagtacaaga tcaactagtct aattcatcag 60
ctactctata ctattaagta tatatactta ataggccttg cttctatctc tactgttatt 120
attcttgtgt tatctttagt tgtctttaac ccttggttgg gtcattatat cactgtgtta 180
tcaggctatc tggatcaatag gctcaggca agtattagat atagtctagg gactatatca 240
ccccattccc aaagtagtag actagcagag aacagcagag atggatccca ggggtgtgaca 300
aattaa 306

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<210> 11010

<211> 279

<212> DNA

<213> A.fumigatus

<400> 11010

cttgcagcca agtctgttaa gattagacta cctaaacat ttgatggtac tcagactagg	60
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aatgaagctg acaaggctct ctttgcctacc acatatctca cgggaccagc attcaattgg	180
tttgaacctat tcctcagaga ctaccaaacc aatactgtga agaagcagga cgacaatact	240
aaggaaatat tcgccagtta tgccgagttc aagaagtaa	279

<210> 11011

<211> 195

<212> DNA

<213> A.fumigatus

<400> 11011

atacaagcca caaaggagct cagtaccaca gctggcagag atggttataa caccactagc	60
atcatcacac caaagaaagt agataaaca ctcaggaagt tgtacaagga atatatgaac	120
ttaagtgaca aagaaatcaa ggaggaactt gagaaggaag accccactaa ctatgaaagc	180
acaaacaatg attag	195

<210> 11012

<211> 267

<212> DNA

<213> A.fumigatus

<400> 11012

ttcttaagct atggaatccc taacaccaca tcataccatc ctggtggcat aatattaaag	60
tttagatgtt taatatgtcc taatataacc attaggacta gtccctgattc agttatgatt	120
gagagagttc cttaaattttc tctattttaga cctataatta gtccaggtac tgcctttatt	180
tttcctagaa tccctagctt ccttataaag actgggttta taaagttacc tattactcct	240
gagttaatta ttacttcagc taattaa	267

<210> 11013

<211> 666

<212> DNA

<213> A.fumigatus

<400> 11013

agagtggata catcgtctgg tgacccaggc ccagagcaag atgaccaatt tattctggac	60
gattatgata gtgacgctga tgaaaggatg gcttcttcca agaaactgag tgatatcagt	120
ggactctcaa ctagtacact tgaactactg gagcgcttca aggagcagtt ctcggtccc	180
gtcgaggatg aaattggaca tgaagacgat gatgttaaga tcttctattg ttcgagaact	240
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ccagcggagc tcagcacgag cgatgcaaac actgacgacg tccaagaacg cgtgaaacat	360
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gccgctgcaa tcaatgagcg ctgcttggaa ctccagcagc ctggcatagc tgccgagaaa	480
agatgtcctt acttgccatc aaaggaggat gaggggcaga ttctacaatt tcgggatcac	540
actttggcga caattaagga tattgaagac atgggaaagc ttggtaagcg gatgggaatc	600
tgcccttact acgcatccc ctcagtactc aaacacagcg aggtatgttt tggatatgcc	660
ttctga	666

<210> 11014

<211> 597

<212> DNA

<213> A.fumigatus

<400> 11014

acgtcacaga	atgtcctgct	gaaagcccag	aagattgtga	cccttcctta	tcccttacta	60
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gatgaggccc	acaatctcat	ggatgcaata	tgcaatatac	attcagtaac	aattagacta	180
tcgcagttgc	agactgcact	tctccaacta	acaacatatg	cacacaagca	caaggcgcca	240
ttgaaaggga	agaaccgaag	ctacatcgct	caaatacatca	gactcgtcag	ttcgattaga	300
gaccatcttc	gctcaatctt	aggccaaaac	ctgcctgcag	aaggcacctg	ggatccgtca	360
gatttgatgg	ctggtaaagg	cgtcgatcaa	atcaacccct	acaagctatc	tcggatatcta	420
caggaaagca	agctggccag	aaaggtcgac	ggctacgttg	aatttttgaa	aaacaagaat	480
caacaatcgg	acgacaaacc	ttcatcacct	gtccttttcc	ttgttcagag	ctttctttta	540
tcattaatga	atccctcccc	ccgaaggccg	atttttctat	ctaaagtgcc	acgatga	597

<210> 11015

<211> 222

<212> DNA

<213> A.fumigatus

<400> 11015

atgagtgatt	atcgaaatca	cctattttcc	tacattgccc	caagccggct	agacactttc	60
agttatggcc	acgtttattcc	ccccgagaac	ctcattgcac	acacgcttgt	caacggcggtt	120
ctaggttccg	aatttgactt	tacttacgac	tctcgcgatt	ctgaaaagat	ggtaagagac	180
ggctttctcg	cgcgtggcta	cttgaacttt	ggaactttct	aa		222

<210> 11016

<211> 237

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (56)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11016

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gctctctaca	cttgccctgga	agaaggaaaa	gttgccgtgt	tcgagtctcc	caccggtaag	180
ttcagcttca	cctgccgctt	ggtaccgcga	actaatcaca	tgctacaggc	acggtaa	237

<210> 11017

<211> 276

<212> DNA

<213> A.fumigatus

<400> 11017

attcttgatc	tcggacggac	tgtggctacc	ttgtgccagg	ctatcccaga	tggcgtcgtc	60
gccttctttc	ccagctacga	ttatctcagc	cgaatagtgg	ccatatggag	gaagcctctc	120
gagggcgaga	agggagagac	tattctcagt	cttattgaac	gagaaaagtc	tattctatac	180
gaaggccggg	acatgggccc	gaagacggat	gatttgctac	aagaatatac	aagaactagt	240
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<210> 11018

<211> 423

<212> DNA

<213> A.fumigatus

<400> 11018

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tgtccgcgcg	ggcccgcggc	gcccgatccg	tcgacgacga	agaaaacgac	cgactccttt	120
ctttctcccc	ccgcctcttc	cactccaaca	cgtactctcc	agcctcccc	cgctcctgaa	180
accgatacca	gccttcagcc	gtcacactcg	cggaccacgc	gcgcctcgtc	agcgggaaat	240
gcacctccgc	ctccgcctgc	gctggccccg	gcccctcctt	tctcgctttt	gtcttctgtg	300
cgggtgggtg	gtagatcact	ccgacgactg	cttcaaggct	gctggcctcc	gcctctgcct	360
ctaagcctga	attgggatgg	tggttctcgc	cagataacga	ggcgtatgcc	tcgctctggg	420
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<210> 11019

<211> 951

<212> DNA

<213> A.fumigatus

<400> 11019

aaagcagtgg	acggtcgttc	tggatatact	actctcccac	tgctccgtct	agaagcctac	60
ctttcatccg	cagcacgtca	tccaagccac	cggccactcc	ggaaagaaga	tcttccccgg	120
ttcaaggggg	tggagtcgtt	caaagggtgat	cgcctctgcc	acagctccga	ttttaccgaa	180
gcgaatcccc	cgtccaaggg	caagaaagcg	gtggtcgttg	gatccggtaa	ctcggggccac	240
gacattgcgc	aggagtttta	cgaaaagggg	tacgacgtct	cgatgggtgca	gcggagcact	300
acatgtgtga	tttcatccga	atcaattgtc	gagatcgggc	tcaagagcct	ctacggggag	360
ggtgggcccc	cgaccgaaga	ctcggacctg	tacctgtgga	gcatcccgac	cgagctgttc	420
aaggcgcagc	agatcaaggt	gactgccgct	cagaatcaac	gcgatgccgc	gatcctccaa	480
gctttggaca	aggccggttt	caagctcgat	atgggctcgg	acaacgccgg	tctcctgatg	540
aagtacctgt	cgcggggcgg	cggctactac	atcgacgtgg	gcggcagccg	gctcatcgcg	600
gacggcaaga	taaaggtcaa	gcagggccag	gagatcaccg	aggttctccc	ccacggactt	660
cagttcgcag	atggcacgca	gctggaggcg	gacgagatcg	tctttgccac	cggctaccag	720
aacatgaaga	cgcaagcgcg	agccatcttc	ggtgacgagg	tcgccgatcg	gatcgatagc	780
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ggattctggg	ttatggggcg	caacctggcg	ctctgccggg	actattcgcg	gttggtggcc	900
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<210> 11020

<211> 666

<212> DNA

<213> A.fumigatus

<400> 11020

accggcccaa	tgaccgttcc	catcactgat	catecttcca	aggatcggat	cgcaccaggc	60
tctgtcaatg	tgcccgttgg	aaagtttccc	caaactgcct	cctccacatc	tggtgatgct	120
gccaagctcg	cttcagaggc	gattgatcaa	ctgaatagtg	ctctaaagca	gaaaaactac	180
aaggccgtct	cggatctgtt	tctcgaggac	gcctactggc	gggaccattt	aggtctgtcg	240
tgggattacc	gaaccatcaa	aggtagagag	aacatcgcca	gcttcctcga	gcattccaca	300
cggctgggtc	aggttgagat	tgaccagtca	tcaccttccc	gtgcgcctca	tgtcggccca	360
attgatgcgt	tcggcgatgt	caccggtgtg	gagttcttca	ctactttcgc	aaacgatgta	420
gggaatggaa	gggggtgtgt	ccgcattggc	gagaaggacg	gcgtctggaa	aatcttcact	480
atcttcacga	ccctccagga	gctcaagggg	catgatgagg	ccgtgaacgc	cagtcgacca	540
ctgggtgttc	agcatggggc	gcaagtaggt	ataaaaaact	ggcatgatat	gatgacctcc	600
gactttgagt	tcgaggaaaa	gacccagtg	gtcctgggtc	ttggatatgc	gccatttctg	660
gactga						666

<210> 11021

<211> 372

<212> DNA

<213> A.fumigatus

<400> 11021

caagaccttg	tactgacttg	gaaaggcgct	ggtcaatctg	gacttacggt	cgccgctcgt	60
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tggcggcgga	ggtatcatca	gctcgtgcta	catgaccccc	tgtgggttcga	tcatatgccg	180
tacctgccct	tcccttcgag	ttggccggtc	ttcaccgccga	atgacaagtt	agccgagttc	240
ttcgaagcgt	atgccaagct	tcttgaactc	aacgtgtgga	ctcggacgac	gctcaaatacg	300
tcttcgtgga	accatgataa	aaagcagtgg	acggtcgttc	tggatatact	actctccac	360
tgctccgtct	ag					372

<210> 11022

<211> 201

<212> DNA

<213> A.fumigatus

<400> 11022

acgccgtctt	caggcaccta	tcctttgaag	ccttgtcagg	tgctgcaaata	gcttgacgaa	60
agtaaggtaa	tacctccgta	ttacatttcc	agcgactgg	ctgcagcaat	gacgcacatg	120
gtgatcctgc	tgaagcaaaa	tggaccgtat	caacaagaca	agagtgaata	tatcgaagga	180
tctataggca	caatgaaata	a				201

<210> 11023

<211> 549

<212> DNA

<213> A.fumigatus

<400> 11023

cctcttcctc	tcaaggccga	accccatgtc	aacgagcagg	caccgcagtc	attacatgat	60
cccaccgtct	acaccgcgta	ccagcatccc	gtccgggtcg	ctcgcggtcc	attcccacgt	120
agagatagcg	accccaatcc	tccggcgggc	ggaaaagtgg	caggtccgag	ggaagccgat	180
ccaatccagc	aacgcattga	cgagatcggt	tgcgagaaca	tgccgtcgca	cggtgctcca	240
ccagtaccac	caccatccgg	agccggagcg	cgaatcccca	acagacgaaa	ctcagtcgat	300
cgccgcggac	ccgatcggtg	ccgcgggtac	gaagatcccg	cgagacgacg	gcggtcgtcc	360
ttcgggaagga	ggtcgcagtc	cttcgaggaa	cagcctccac	cgctcccagg	acaccctcat	420
catcaacctt	tacccccacc	gccaccacct	cccgatattc	ctcagccacc	acctccaccc	480
cgcacctccc	aaacgcaca	agctgctcag	gaagacgaag	gcgggggcag	tgaagaagga	540
gagctttga						549

<210> 11024

<211> 1656

<212> DNA

<213> A.fumigatus

<400> 11024

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ccgatgcatg	atgatctttc	cgtgggagat	gtctttgcac	cccaggcgga	catgtcgcaa	120
ccttgcaacg	atgccctgct	cggcaataat	cctgatactc	gctttttgcat	gagtgggtggc	180
agtcctagtc	gcaagcaagt	tccggtcacc	aaggatgtca	atgaagttga	tcctttttcca	240
gcacacaatc	tcaacattga	ggccttgtcc	ggcagaccag	accgtcgcaa	aaagaagaag	300
aaatgtcaga	caagtgaagc	tccccgggcc	atatccaccg	ttcgcggatt	tactccactt	360
gcctctggcg	acgaagactc	ggattttctg	accacaagcg	ctaaggctcg	tccttcgtca	420
cgagcagccg	cttatgcaga	gagcgatgga	aatagtccca	tgggtccagcc	tgctggatgt	480
ggcgtgagcg	ctctgaagct	tcaactcgat	tcgctcagtc	tgtccggcag	cggtagcgct	540
caggctgcgc	agagtgcact	gtgctctgaa	actccgagca	atgcaagcgt	ttgctcggac	600
agcgatcaga	cagaggtcct	gactagttac	gaagtacccc	tggaaacatga	tttcgtcagc	660
tccgatgccg	cagcggaaga	aacgtctgcg	agtcttctcg	gtgcgcagga	tgctccgact	720

cagctatgcc	gcaagatgac	aaccacagac	tttgagccgt	tactctggct	gggcaaaggc	780
tcctttggaa	ccgtactgct	tgtacgtcat	gcgctcactg	ggaagttgta	tgctcagaag	840
cagttccgta	aggcatcgct	caccgttcac	aagaaacttg	tggagcagac	caagactgag	900
cgcgccattt	tggaaagtgt	gaaccgtcat	ccatttgtgg	tgaaactgtt	ctacgcgttt	960
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cacttggcca	tggaaacgcat	gttcgacgaa	gatgctgccg	cattctacat	ggctgaaatg	1080
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gagaactgtc	tcctggaccg	cgatggccat	ctgctcctga	ccgacttcgg	cctcagcaag	1200
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caggaaaaaa	atcgtcaagc	agaagctcaa	cgctgcccta	tttccttggg	ccggatgcc	1440
aagactttct	caccgcctg	ttgcgcaagg	aaccttccaa	gcgactcggt	taccacatgc	1500
ccaaggacgt	gcagaccatc	aagaaccatc	gcttcttccg	caagattgac	tggaaagcgc	1560
tcgagcgctg	cgaggttgct	ccccctatcc	tcctgtgggt	cacggacccg	gctctggcgg	1620
agaactttct	tgttgacttt	accacccttc	cgctga			1656

<210> 11025

<211> 597

<212> DNA

<213> A.fumigatus

<400> 11025

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acttggcgca	ctcgggtacg	atctacttac	cggctccccg	cccttcaagg	ccaaccacaa	120
cgccaagctg	caggaaaaaa	atcgtcaagc	agaagctcaa	cgctgcccta	tttccttggg	180
ccggatgcc	aagactttct	caccgcctg	ttgcgcaagg	aaccttccaa	gcgactcggt	240
taccacatgc	ccaaggacgt	gcagaccatc	aagaaccatc	gcttcttccg	caagattgac	300
tggaaagcgc	tcgagcgctg	cgaggttgct	ccccctatcc	tcctgtgggt	cacggacccg	360
gctctggcgg	agaactttct	tgttgacttt	accacccttc	cgctgagtc	ggtcgtcacc	420
agcaacggct	ttgacgatta	ttactctctt	cgccaacgcc	ccagccaacg	cgcaatgtca	480
acaggtccgg	atgggatgag	ttgcgacaat	gacccgttcg	gtggattcag	cttctgtggct	540
tccagcagct	tacttgacaa	caatggagtt	ggcatcacga	cccaatgtta	ccgataa	597

<210> 11026

<211> 903

<212> DNA

<213> A.fumigatus

<400> 11026

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tatgatccag	taccgtactg	gacaaatata	catccatata	tgctatccac	gattcagcat	120
ggtttacgag	cttccaaggc	cctccctaca	ccctccgatg	gcgaccaaac	caaaggcgaa	180
ccgtcattag	ataaatacct	gctcgcgag	atcccagcca	caacactgcg	ccgcaatgcg	240
cgcagcccaa	gagaaccctg	caacgacttc	ctagcacgcc	tgccctccatc	tacgacaaaa	300
gagagagacg	tcggggccatg	gatatacgtg	acgaaccgcg	accgtaaaat	cgatccagac	360
gagcaggcta	tcgcaaaaact	ggtccgtgag	ggaaccgaac	tacttcacag	attcgaggac	420
cagaaagcag	agctggaagc	ggagcatgat	cgctcgaggt	ctaaatccaa	ggcagcgctg	480
acgcgcaggc	tgaaccctgt	gcggcggaca	ttggagcagg	atatcttcgc	gctggcgcgg	540
agaacgggtg	tcgtgtcttg	gaaatggatg	atgtttataa	acgccgatca	agtggataaa	600
tattgggagg	ctgtcgcgac	tggcaccgtg	tctgggaaat	tgggcgatgc	ggccaaagtt	660
gcgaccgacg	atggcacagg	gaggccgcgg	ttgatcgcaa	tctacacgaa	agattatgcg	720
gataggcagg	acgtgaaacg	tgtgcttgaa	gggatggtag	atctgggact	tgtaaagact	780
gacgacaggc	ctatctacta	ccactgtgat	gcacgcacgt	acctgcgcac	cctgagcgat	840
aaccatacag	gcctcaaggc	gagcatggcc	tccactcgga	atgtgttggc	acgtaaggag	900
tga						903

<210> 11027
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 11027	
agatatatgg ggactcatcc tttgattttc acagagatcg gcattccggt cgatatggac	60
gacagacatg catacaagac aggagactat agcgggtcaag tcagtgcctat ggacgcgaac	120
cacttcgcaa tcgaaggcag caccgcacaac ggcttcacat tatgggttata tacaacatcc	180
gtaagtattt ccatgctacc gcgcacaaaa agttttcata cattcagcaa ctga	234

<210> 11028
 <211> 657
 <212> DNA
 <213> A.fumigatus

<400> 11028	
cgcatacgtc agaacaatca tgaatggggg gacaactgga atggggaaga cttgtcaata	60
tactctgtgg acgatctaga gctgccaaagt ggcaagcttc ttgcgtttga gaacgaatcc	120
caacgcgacg ctcagttctcc agcatactct gaaagccagc gcaacaccga aagctaccga	180
gtgggtccac gcgatttgaa gcaggctctt caagcaccct ctatatcatc cgaaatctct	240
caatcatccc aggacaagct aggggtttcga gctgcagagg catgggttcg tccgagtcca	300
atcataacaa acggccagat attgcagtac ggggttcgacc tcaaaagtgt tgtgttcagc	360
atgagactac ttggggaaaa gaaaggggtg ggacaagaag cagcaacgga gatttttctc	420
cctgactttc acttcccaga cactcacact gtagttgctg tcagcgtggt agagtggacg	480
attgactatc cagagataca ttctgtcaaa tttcagcgcc tacgctggtg gcatcccgag	540
ggtgatcata acataaagat ccagggcgctc aaacgcaagc ctggcgaccc aacagtctct	600
ggagaggagc tatcatatct tgagcaatgc cagggaggcg gatgcagtgat gatgtag	657

<210> 11029
 <211> 981
 <212> DNA
 <213> A.fumigatus

<400> 11029	
aatacagaaa tggaaccatt gccagatgct atttcggctg atgcttcgca gttttcttgt	60
actttatcca atggcgccat tcaatgcagt gaacttcagg ggcagaggga gcataggatt	120
gctatagatg atgtgatctg catcctacca catgctagcc aagatggaaa aaagtacaac	180
atgctctatc tacgaaatgg tcgaaatgag gcgacgtctg ttcagccggg agattgtgga	240
tcgtctctga caagtgtaca actgggtttc ccaccatoga cactactatc acgatatttc	300
tgtgcggaac ttccccaaca tctcaagcct tcagtggacc acgcgattga tatttatgtc	360
attatctcga ttccctcagg gacagggaag gctaagaatt tcttcaaaaa cattttacaa	420
ccgttcttgg cacatatcgg attgacggag tatgaggtcc atgagacaca atcagcgcca	480
tctatactcg aactctgtca atcaaggctt attcctcgtg caaaactcgg tgttgcccaa	540
acaattattc ttctttctgg ggatggtggc ctgaacgata ttgtcgattc gttccatggc	600
gctgttggtg ttccaattgt gctccaatc gtcgctctga taccgatggg aacgggtaac	660
gccatggcaa gctcattagg gctgctctct cgcccggcag aaggcttgac tgtcttgctg	720
aaagggtcac cgaaacctat acccacctta gtcgctaatt tttctcctgg cgcgcaatac	780
gtcacggatg agggccacac tctgattcct atgcttgata gctccaagac caagtccca	840
gtgaattcaa ttcacggcgt ggttgctgca agctgggggc ttcacgctgc cttagtgtgt	900
gacagtgaca cttctgaata taaaagggtt gggggccgag aggttccaga tggcagccaa	960
ggagctcctt ttcccttcta g	981

<210> 11030
 <211> 522

<212> DNA

<213> A.fumigatus

<400> 11030

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gccaaggagc	tccttttccc	ttctagcggc	gccgagacgc	acaggtataa	aggcaatatc	120
acattatttc	ggtctaacgt	agcgaccaat	gaaaactctg	tggacacact	agaattcgga	180
gaacacatgt	acgtactcgc	tacactcgtt	ccaaggcttg	agaaagactt	cctcatctcg	240
ccggagtcgg	ttgcattgga	tggcagattg	agaataattc	gttttggcgc	tgtctccgca	300
gaaaaggcga	tgcaactaat	gtctctcgcg	tatgatgggg	ggcggcatgt	acacgaaagc	360
agcgtttctt	acacggaact	tgaaggattc	agaatcgatt	ttcgtgaggc	tgagcagaag	420
tggaggcgag	tttgcataga	tgggaaaatc	gtcatcattg	aggaagacgg	ctggatggaa	480
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<210> 11031

<211> 1119

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (941), (986)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11031

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ctttattcca	aagaactaca	acttgcattg	ctcacgggtg	aacgggctgc	actattgacg	120
aagaaattgc	tcgaggctgt	cgacaaagga	tctttcgaca	agagtgattc	cacgcctgtg	180
accatcgccg	actttgctgc	ccaagcactt	atcattggcg	ctatccacaa	agcctttcct	240
gaagatgagt	ttgtgggtga	ggaagactca	aaggctcttc	gtgcagatcc	agaacttctt	300
gagcgcacat	gggaactcgc	gtctactact	catctcgatg	acaaggacag	tgaagccctt	360
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ggcgtgttag	gttgcccga	tcttaatctt	gtacggggcc	gtcttcgaga	ggatgttgtg	600
gatcgagatg	gctacgggtc	tcaagtcttt	gcagttgctg	gtcaaggcgc	ctggatacgg	660
aagatgggac	gcgggggtct	gctcgtgctg	gagagtatcc	ctcagaggcc	acagattacg	720
gacccgaagg	acctcgattt	cgtggattgt	gggtccgcta	catcatctaa	tacctctttg	780
catgctcgag	tggcatcgaa	actgggtgct	ccgtggccgt	acagcactga	tctctgggct	840
gcacagttgc	gctacatagc	cattgcggta	ggaggctgca	acgctttgat	caagatcccc	900
cacaaggcat	tatatcggtc	aaagatttgg	gaccatgcag	ncggcatggt	gattgctgaa	960
gaagtcggcg	ttaaggttac	tgatcntgct	ggaaatcctg	tcgactgcag	cttggggccga	1020
accctagctg	gatgctacgg	gatgatcgtg	gctcctcctt	ccattcatga	acggatcgtc	1080
gaagccgtaa	aggaggtcat	gcaggaacag	actaagtga			1119

<210> 11032

<211> 852

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (772)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11032

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tctggcaaca	tatacgatac	atcgtggatc	tcgatgggtg	gaaagcccac	ggaaggtgga	180
tctgtctggg	cgttcccagc	tgcttccag	gctattttac	aagagcaaag	tccttgtggc	240
agttgggggtg	gaagtacttc	ggaattggac	tgtattgtaa	gcaccttagc	ggctcttctt	300
tctctccaga	aacatgcagg	cgactgttgt	gaaatggagt	ttgaagattt	gcactcaaga	360
atcctcaaag	caaaacaatt	cctacagaca	gcgttgaaag	gcttggatcg	cttgctggca	420
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ttggaagggc	atactttcaa	ctttgatcga	acatacctga	ctgagattca	gtcgaagaaa	540
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ttggaagctg	tgataaggaa	ggttgacatt	aaggccctgg	gacaccagaa	agtgtcggc	660
agcatgttag	catctccatc	tgccaccgca	gcatactca	tgtattctcc	tgtgtgggat	720
gatgaggctg	aagaatacat	tcggcatgca	atctccaagg	gtgcaggctg	anggtcaggt	780
cttgtggccg	caggatatcc	gaccactgta	ttcgaatggg	catgggtagg	tttgaacatg	840
ttatggcaat	ga					852

<210> 11033

<211> 300

<212> DNA

<213> A.fumigatus

<400> 11033

acagttccca	atgcatgtgc	tgatgccgat	gacacagcca	aggcgttagt	acccctgatg	60
ctgcaaggaa	cacgctactc	gccccaggca	ttagtgcgac	ggtttgagcg	agaaaacat	120
ttcgcaacct	atctgtacga	gacgcataca	agcgtaagta	cgaattctaa	tgctcctggct	180
gctctgggat	tgctttcgac	cgatggccac	taccaaccgc	aaatcgaaaa	atgcattcgc	240
tacctgtgcg	aggcatggtt	taactgtaac	ggaatgctca	aggataaatg	ggtatgttga	300

<210> 11034

<211> 906

<212> DNA

<213> A.fumigatus

<400> 11034

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<210> 11035

<211> 570

<212> DNA

<213> A.fumigatus

<400> 11035

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<210> 11036

<211> 531

<212> DNA

<213> A.fumigatus

<400> 11036

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<210> 11037

<211> 456

<212> DNA

<213> A.fumigatus

<400> 11037

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<210> 11038

<211> 657

<212> DNA

<213> A.fumigatus

<400> 11038

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<210> 11039

<211> 753

<212> DNA

<213> A.fumigatus

<400> 11039

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<210> 11040

<211> 408

<212> DNA

<213> A.fumigatus

<400> 11040

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<210> 11041

<211> 1233

<212> DNA

<213> A.fumigatus

<400> 11041

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tctcaaaccg	acctgggcag	tggttggcgca	ttccgaggcg	cgaccagatg	gtaccacggg	180
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<210> 11042

<211> 354

<212> DNA

<213> A.fumigatus

<400> 11042

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<210> 11043

<211> 666

<212> DNA

<213> A.fumigatus

<400> 11043

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<210> 11044

<211> 1407

<212> DNA

<213> A.fumigatus

<400> 11044

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gtggcattcg	ttgctatcgg	gacggctaca	agctgtatgt	acctggctgc	ggtgacaacg	360
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<210> 11045

<211> 1692

<212> DNA

<213> A.fumigatus

<400> 11045

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<210> 11046

<211> 912

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (909)

<223> Identity of nucleotide sequences at the above locations are unknown.

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<210> 11047

<211> 234

<212> DNA

<213> A.fumigatus

<400> 11047

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cgatggcctt	cactcttcag	cgctgtcaaa	gatcgcacag	aaggcatagt	cggatacagt	180
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<210> 11048

<211> 669

<212> DNA

<213> A.fumigatus

<400> 11048

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ccgacaggga	tgtcggattc	gggcgaggat	gcgttcgata	tgcgcaaacc	gtgcagtcgg	600
gataagaatt	tgcagcatat	acgcgagaat	ggcgaggagt	ttctggtaaa	tccggaggat	660
gtttcatag						669

<210> 11049
 <211> 267
 <212> DNA
 <213> A.fumigatus

<400> 11049
 gcagcaataa tgaattttat ccgtcttttc actggccaat gcttttgctc tatgtttgct 60
 aatgccaaca tgctttataa atctgtgaac tgcttcccc ccaaatcaac actacgtact 120
 ccgtacttat gttcacttga agccttcctt ttgattcaag ataccattgg caatgactgt 180
 ttcaaccatg gcagatgtca gcggtgctca gaaaagccct gctgttgctt taccgagta 240
 cacgctgaag gaagttgcgc tgcataa 267

<210> 11050
 <211> 1368
 <212> DNA
 <213> A.fumigatus

<400> 11050
 gtgcgatgca cccctcagga gactgcaagc tttgaagtct tcagttgctt agacttgaca 60
 gtgtacgatg tgacaaaata ccagaaagac catcctggcg gcgcagatgt tctggcggaa 120
 gttgccggct cagatgacgac agaagcattt gaagacatcg gccattcaga agattcgcg 180
 gaaattctcg aggaattcct gatcggaacc cttcagggcg cgaaagaata tgcgctccg 240
 aagaaagtgc gcatcattgc tcagagcccc gtgcgagactc ctgcttcttc atcagcaacc 300
 cgatacgtag gagcggtcac cagtctgctg ggagcagtcg cctccttgat ctatgtctac 360
 cgtcgcgggtt ccctgtactc acttgacacc acgggggtcac tccacagata tctgtctcag 420
 cccttaagggt gggtaagggt gccgcagggg ggcttcgcca atggatttct cgcagctact 480
 ctgatttggtg cggcagcagg tgggtgtgat gcacgtaaag ccgccaact aaccaagatc 540
 gagtcgggat tcttgacgta tccaccgcat atcaaggcac gtaagggtgcc cagggtgac 600
 ccgcacttgc ttaaagggtt ccttgattca aaggagtctt agcgctgcc gctcatccag 660
 aaggatcagt tatcttcaaa cgtataccgc ttcgtgttcg ggttaccgga tagcaatgga 720
 gtgattgggtc taccatcagg tcagcacgtc gccattcgcg ctgttatcga tgggtgtcacc 780
 gtgagccggt cgtatacacc cgtttccaac aacctagacc gaggaaggct ggaattagtc 840
 gtgaaatgct atccggatgg cgtgctctct ggaaagtacc tagcgaacct gcaagtgggt 900
 gacgaggtcg aattcagagg acccaaaggc gcgatgcgct acaaaccagg gttctgcaag 960
 aagctgggaa tggtagccgg cggaacagga atcacaccta tgtaccagct gatccgtgct 1020
 atctgcgaag atgagcgtga tacgacggag atcagcctta tctacgcca cagaactgag 1080
 gcagacatct tactgcggga tgaactcgag cagtttgccc gcaaataccc caagaatttc 1140
 aagctgtggt acatgcttga cacggccccg gagaattggg cgtatggaag cggcttcgtc 1200
 aaccaggagg tcctcagcga gcgactattc gcgccttcgc ctgacactaa ggtcctcctc 1260
 tgcgggcctc cgggcatggt gagcgctacc aagaagatgc tggctgcat tggattccag 1320
 aagccagggc cagtttcgaa gatgaccgac cagattttct gcttctaa 1368

<210> 11051
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 11051
 ttcaagatac cattggcaat gactgtttca accatggcag atgtcagcgg tgctcagaaa 60
 agcctgctg ttgctttacc cgagtacacg ctgaaggaag ttgcgctgca taaccgaaa 120
 gacgacaatt ggattgtgat ccacggacat ggtaagtgc atgcaccct caggagagt 180
 caagctttga agtcttcagt tgcttag 207

<210> 11052
 <211> 198
 <212> DNA

<213> A.fumigatus

<400> 11052

catgggtatc	tgtcttcgaa	ttcgccgaag	ggtgtgcata	aaattggccg	gaaattgtac	60
aagatgtcga	ctgtctttac	cgctgtatcg	acttcactca	aaggccgtct	atttgacgcg	120
acccatgatg	tcctcgacat	ctttctgatt	gacgactaca	ccgccttcag	agcatctggc	180
tttggcgcg	aattctga					198

<210> 11053

<211> 384

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (10), (12), (20), (56)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11053

cgcccaactn	cngagcccan	ccagaacctc	aatcccacac	cgccccatgc	ctcttnccgtt	60
agcttcagtg	tttctcccc	cagtggtttg	gacggctcgg	tgaatcagtc	aactactttc	120
ggctacgaag	atagtcctta	cctggatctg	aatttcgact	tcgaccttga	ttttctgggc	180
aacgagagct	tgattgggtga	tctgcccccg	agcttgccct	cgactgaaga	ctatgagcct	240
ggtgataagc	gaaaggatat	cgatggacaa	gtaaatgaca	aagaggattc	gggcaagaag	300
cgacgggaga	gcatgagaa	agcagccaag	aagcctggta	gaaagccact	gacctcgga	360
cctacttcgg	tatgttttct	gtga				384

<210> 11054

<211> 216

<212> DNA

<213> A.fumigatus

<400> 11054

gatatgggat	gcttaatctc	atcccttacc	gctctccact	ctcttgctaa	ctacttgtgt	60
cgtagggatc	gtctgcaatc	catggagaag	ttccgtaatg	gcgagatcga	cgtggacaat	120
ctctgttcag	aattgcgcac	caaagccaga	tgctctgaag	gcggtgtagt	cgtaaatcag	180
aaagatgtcg	aggacatcat	gggtcgcgtc	aaatag			216

<210> 11055

<211> 1236

<212> DNA

<213> A.fumigatus

<400> 11055

cctgttggtg	agaagcgcaa	ggctcagaat	cgcgagctc	agcgagcctt	ccgggagcgg	60
aaagaaaagc	acctgaagga	tctggaggcc	aaggtggagg	agctacagaa	agcttctgat	120
aatgcaaacc	aagagaacgg	acttctgcgc	gctcaggtgg	agcgtttaca	actagagctc	180
aaggagtatc	gcaagcgtct	ctcctgggtg	acgagcacca	gcggcctctc	tcctgttaat	240
gctatcccag	gtgcatactc	caaaggcatg	tatgggtctga	acaataatga	gttcatgttc	300
gacttcccca	agttcgggga	tctgcccggg	tcacacttgt	tcaccaatac	gcaacaagc	360
aagtcgaatc	agaacaaaag	gaaggacaa	ccgacagcaa	ctccacgtat	cgaagctcag	420
gtccccgggt	tcctcaaccg	caacgatctg	aaaatctcga	gccccaacgg	cctttccaac	480
ggaccatcac	ccgccaagtc	cacaccaagc	ggccagacac	cgaattcgca	aacatctaca	540
cgacctggct	ctgggtacatt	gaacggagcc	gttgataaca	atggagctgc	caggggctac	600
caggtcaatt	cgtcgtacag	cgcgagcaca	aagcaggcaa	cccacgatac	ccctagctca	660
gactctccat	cgtcctcttc	agattcgcac	cagagccagc	tgctctcttc	caatgggacc	720

tcacctgagc	catcttttga	ctcgctgcc	gtaaaggcga	ctgagagtag	cactcccat	780
gcatgcacct	ataccacat	caacggtgag	gaatccttct	gcgtcagct	tagtatggca	840
tgtggcaaca	tcaataatcc	cattccagct	gtcagacaaa	atagcgaaag	cgcgtaaac	900
acccctagcc	atgccaatag	ttccgacaaa	gctcttggtc	tggatttttt	cgcccaacag	960
aattggaggtc	agttcgacct	tgtcctgttc	ggtgattggc	gtgagcctca	agatgctatt	1020
ttgtcgcaag	actttgttac	atttttcgat	gatgcgttcc	ctctccccga	cttgggaagc	1080
ccatcccaca	attttagcga	ggcgaccaag	caaccagcag	cgccaaagaa	ggatcttata	1140
gctgaaattg	acagttaaact	ggatgaagat	gaggaggttg	tgctggcgga	ggacaagtgc	1200
caaattgctca	cctgcaataa	gatatggtat	gcttaa			1236

<210> 11056

<211> 435

<212> DNA

<213> A.fumigatus

<400> 11056

acacagcgtg	ccggggaaat	tggaagggtg	caaggacata	acacagaaga	acaggcaaat	60
gaggaaatga	tatcacgctc	aggactctcc	accagaaggg	gtgggcttgt	caccggaggg	120
tgtcgatgtc	gatgtgcag	gagagtccga	ggtgcctccc	ttgccgaagc	caccacggcc	180
acctcttcca	ccacgtccac	cgcggtcggt	accacggcgg	cgctccgctc	cactgaaacc	240
accacgtcct	cggcctccct	cgctgtcaact	agcacctccg	ctctggtatc	cgcgctggga	300
tgtgttggtg	cctctgttgc	taacttgcca	ggtgcgggca	ttaccacggt	ggggaagccg	360
cggtcctcga	agaacttcag	attaggcttg	ccaagttggc	cccgggggct	gggcttcttg	420
tgttcggctg	gttga					435

<210> 11057

<211> 1389

<212> DNA

<213> A.fumigatus

<400> 11057

ccccccccc	gacatatgta	ttccagcggc	ggggctgaat	accagtctcc	accggtcgag	60
ggcgacatc	ggacagatgt	tcagacagag	accacggaga	agtcggtgga	gctaagtcag	120
gctactccaa	atgaaaatat	gacccaggag	gtagccgagg	cgggtgatgt	agtaatggag	180
gactctgaag	ccgttgcata	agctcctgcg	actgagccga	ttccgttgag	agaaactatg	240
gctgagcaag	ctcccagttc	tgcagtcaaa	cctcaaccgg	ccgatactga	gagagacagc	300
aacgagggtg	atcttcttgg	tagcttagaa	gctagtctgg	gtggcgcggt	ccgcgatgca	360
cagactggcg	gatcagcctc	gttgcaaaact	gatgcacaag	taggagccat	agctgctgag	420
agcacctcaa	caaattgccg	cagagaagtt	ggagaaacag	tcacagatgg	gcctctacac	480
cagccatcgg	aaaacgttga	agagcaacat	gcgaaagaga	gccagagca	gattgtcgaa	540
tctgctcctg	ttgctgcaga	gcaaaaaggca	atcgaacagc	ccagtgaacc	ttccctggaa	600
cccagcacga	tgtctattcc	agaacagcct	gagcaggaga	tgacagagcc	taccgcgga	660
actgtggcga	atgatactcc	agaagagctt	aatcaagaag	cacctacggc	acagcctcgc	720
gaatcaactt	acaaagcatt	gtcagctgta	gatacagagc	ctgttgctca	acccgcagag	780
aacgaggctc	ccaaatccgc	cacaccacag	gtgatcgagc	ctgcaacaga	ttccagcata	840
gtgccttcca	cagaaccttc	tgtgaagcc	ccttcagatc	aatcaactgc	gccgcctaca	900
gaccaacaac	ccccgggtcc	atcctctgag	ccgcactgcg	aaaaaccggc	gcaagcttcc	960
ccagagcaat	cgactcgacc	aactgagccg	cttcccccat	ctaccacaga	gcagacacca	1020
acgcaaccga	cacagccctc	gccagaacac	atggcaaccac	caacagagtc	tctcaccctt	1080
ccaagtccgg	aatttgaaca	aatcgaggaa	tcatctcaag	accaacccca	gaatcaggca	1140
cccgtaacgg	acattcaaaa	accacaacct	gctccgctcg	ataaatctca	aactcccagag	1200
gctccttcag	ctctgcacc	aagtgcaccc	gaaattaccg	agccaccgac	acaaccgagc	1260
gacgtgctc	cgctcgacaa	cgatgctgct	ccccagcctg	tcgccgagca	ggaaaaggca	1320
gaacctgaaa	gcaaggaggg	cggagaggag	gcacctgcac	cgccacctc	tgacctcacc	1380
gcagcatag						1389

<210> 11058
 <211> 1701
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (127)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11058
 cgtgtggcgc cacttacctc tacagccatt ggcaacctca agacgactct ttgtgaagag 60
 atgaaacgag ctgatgctga gcgaagggtt tgtggaagat ccctgggcta tagctctctg 120
 aggcttntgc caaagacaac aggcgtccgg ccgattctga accttcgacg acgaaatctc 180
 cagccaggat gggctggcaa ggctccgttc ctggggccga gcatcaattc gaccatgaca 240
 ccgatattca atgtcttgaa gtatgagacg gcacgtaacc ctgcgagtct gggttcgacc 300
 ctgtcttttg tggcgaaaat acacactcgt ctcaagagct tcaaagagcg tctgtctcag 360
 agtcaactcga gtgatcgacg gcaacgactc tattttgtca agcttgatat tcagtcttgc 420
 tttgatacta ttcttcaaaa ggagcttatt cctctgggtg agagcctggt ttccgaagaa 480
 ggctaccaga tcggaaaaca tgtcgaagtt cggccgccag acgagttcag cagcatgtgg 540
 ccagttcaag agtcccaaca gagcaaggct ctacgcaaat acggtggcag agcagcgccg 600
 gtgtcgaaag cgcaggctct gacggatgcc attaccgatg gtggcatcag ccataggaga 660
 aacacggtct tcgtcgatac gccggctcac aaggagtatt ccggcgacta tctactggac 720
 ctacttgatg agcacattcg ctacaacttg gtgaagggtg ggaggaagta tttccgccag 780
 cggaacggta tccctcaggg atcgatacta tctagcggtc tgtgcaactt gttctatgct 840
 caaatggagc ggggaatctct aagttttctg gatcccagtg aagccgttct cctgcgttta 900
 gtggatgatt ttctgcttat cagcatcaac tcgaagttgg cgatgcgttt tctgcagggtg 960
 atgcttaagg gacaacccaa gtacgggatt tccatcaatc cagccaagag ccttgtcaat 1020
 ttctcagcaa tggtagacgg ggtacaaatc cctcggcttg agggcagtc cttgttccct 1080
 tactgcggaa gtctgatcga caccgggact ttggagatat acagggacca agaccgtatc 1140
 ctcgagggga cggactcggc cgcgggcaca atctccagct cgctcaccgt agagttcaca 1200
 cgagcccccg gtcgttctct tcacaggaat gttctctcgt cattcaagct ccagatgcac 1260
 ccgatgtacc tagatacga gcaaacctcg ctcccggtgg tgctctggaa tctgtacgca 1320
 aatctggtga cctcggcgat gaagatgtac cgatacatga aggtcttgcc tcatcgggag 1380
 catccactc cagaggtggg aatccgagtc atccgggata tgatcgaact cgctcatcac 1440
 atgatgcgag cccgacggga gctcaagtcg agggattctt gttcgccata tatgtgcctc 1500
 gtacagcagc aacaggtccg gtacctcgct gcagcagcgt tccggtttgt cctaggccgg 1560
 aaacagacca agtacgcaaa ggtactcgcg tgggtggagc aggtgtggaa agcagcgagg 1620
 ccgcaatccg atggaaaagc cgctcggctg gctgaagttg ttcgaaatgg caactctgtg 1680
 tttgccagtt ggcggttctg a 1701

<210> 11059
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 11059
 gggataaatg agtctcctcc cactgcttgg gaccatttta ctcttctcag cgactacagc 60
 atacctttca ggagtacctg gaagtacggg atttgccctc cccttattga tgtgtacatt 120
 gcgccagtca tgttccatta tttgcagccc acttcagggt ttccgtggta tgtgagcttg 180
 gaacgaacca tggagtag 198

<210> 11060
 <211> 288
 <212> DNA
 <213> A.fumigatus

<400> 11060
 ttcttcctac accacgcaac gtacacttac ttataccctg acagtattgc tactcttctc 60
 ttgactttgc ctttcagggtt acttgactct tgttgcatc aatacttgat tgactgtaat 120
 atctgcgata tgtcttcgat agagaagcac aaaggccatg tcgatgatga cgcccaactt 180
 gcggccatgg gccacaaggc cgagttggat cgcaattttt ccatgctgta tgaatttttt 240
 ttcttttttag atgatgataa gaaggccttg cttttgagtg attactga 288

<210> 11061
 <211> 810
 <212> DNA
 <213> A.fumigatus

<400> 11061
 cccccacaac tcctccattc tgccagccgc ccgtgcttcg tagcgctggg ctctgtggga 60
 ttctggagtg agtttgactt cacatctccc ttgaatctga agtgctctaa aatggctctc 120
 gctcttgata cagccacaga agccgatgct cctcgcatcg ccgatattca catggcggca 180
 tttcacacca acggcatgct gctggcccag tttccacgc cggccgtgcg aaagggtcta 240
 tggacgtcgc tcgtcgacaa agtcgtcaag gagattcgag atccgcaatg ggaggtaacta 300
 gtggctagag aggtctgatga tcgagttgtc agctttgcca aatgggtgtct tcccctttct 360
 gagtgcacgg tatatgagga agagccatgg gtatggcccg agggcaccaa tatggctatt 420
 ttgaacgggtt gggcaaagaa ggtcgcagcag gcagcgaagg aaataatggg gaaaacacca 480
 tgttatcgta cgtttttgtgc gatccggtta tctgattgcg attgcttaca cctccaggc 540
 ctcagcttta ttgcgacgga cccatcttat gccctgcgcg gagcagggtc cctgttggtc 600
 aactggggaa ttgagcgtag caaggaagag aacattccta ttgccttga aagcacgctg 660
 gatgctgtac cattctacca gagattgggg tttcaaacag aggcgcgtat ttccatgccc 720
 ctggaaggca tcggaaagga tggtagggcc atcctgtacg aggaagaatg tcttgataac 780
 agacctaaag ctagaatatc atgcgaataa 810

<210> 11062
 <211> 615
 <212> DNA
 <213> A.fumigatus

<400> 11062
 ggaagttcaa tgtccgacga ctcccattgg ctctccctaa cttccacgca ttgtcgggtca 60
 cgtgcaccca gaagccgcaa ttttcccttc ccaagtata tctcaggaac tgttggtgat 120
 ccacaattgg ccattgctag gacagcatca ttcaagatgc agaaaattat ccggaggaca 180
 gccctagcga ggaatcaggc tcagcgaaag gctattcgag cggccaaggc cgctgagcgc 240
 gaagaattta aagatgcatt gagacaacgc ttcgccttta accgcataga actcgacaat 300
 gtccgcgccg agagaatacg acgcccggaa gactgggtgc gagggcctct cgctccaaag 360
 cgtgatgcag gtctcgatgc aaagaccttc gggtccctca gccacaggc gatgaatcct 420
 ccgacgatac ccaagcactt gcgcaggaag tacatcaata ttgctgcggg tgaccgggtg 480
 tgtatcatga agggcagaga caagggcaag atcggcgagg tcatcaaggt ggacccaaac 540
 aacgagactg tgatgggtta ggacctcaat atgggtgcgtt ttcacgggtg catacgatcc 600
 atgtctacct actaa 615

<210> 11063
 <211> 228
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (78), (101)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11063

gttaacatta	atatattccc	tttaacagag	aataccccgc	aacatgtccc	tctcttcgag	60
gatatcgcta	aatatacntc	cagccccctg	gccaggcaag	ntatcccacc	caccagccc	120
gtagagccg	acgaagcccc	tgccgcgaag	aaacggaagc	tccagaatgg	caatcccga	180
ggcgatacac	aggctctcac	caggggcttc	tacagcgctc	aacgttaa		228

<210> 11064

<211> 372

<212> DNA

<213> A.fumigatus

<400> 11064

aagatgagga	atgggacaca	ctccgttttg	gaagttgaga	caccgacatg	gattctttcg	60
ctgcacaacc	ccccgttccc	tccatagcgtc	ctcgatgagc	tccgcaaccc	attctccaag	120
taccggacga	ggcacgatcc	cgaatgggtt	gaatcgaaga	agatggagga	cctcagaaag	180
gagtatcttc	aaagcaggtc	tttgatgacg	cccaagggtg	aattcctcgc	catgttgagg	240
gctaagaagg	ccgaaagaat	gagcgccaga	cgggacgccg	acggaaacta	cattatggat	300
gaccagacgg	ctggcttcat	cgcgaatttc	atgcaacaga	atgcggcgaa	gaaagctggg	360
tcttctgctt	aa					372

<210> 11065

<211> 222

<212> DNA

<213> A.fumigatus

<400> 11065

tttatcgcta	tgtcttttgc	tacaatcaac	cgatctgcta	cgaagaccct	ttcaaccagt	60
atccctgcga	ttgaagatgc	cttcgctgct	gaaccttctt	tgaagaaacg	agtttatgat	120
gagattggta	cgcacattcc	cacaatcttt	ggtttctgtc	aggcttctgc	agttacgaga	180
tgctgctgtg	attataagtt	aacattaata	ttttcccttt	aa		222

<210> 11066

<211> 882

<212> DNA

<213> A.fumigatus

<400> 11066

aactctgcgt	acgccgctgt	ggtggacttt	ataagaaagg	tccatcgta	gaattccact	60
gagcgtcttg	cgaagagaga	cggctctggac	aaccagatgg	atagtatcac	ccagctggaa	120
gcccggggcca	acgaggtcgc	cgtctcgggc	agaaggctag	ccgaatactg	ccgcaatgcc	180
agagtggatg	gggcatgtct	accagcgcgc	gtcccgctcag	aggcgctcgc	ggccatccgc	240
gagatccaac	ggttgctgct	gagcaatgtc	gatcacctgc	agatacttct	tacggagccg	300
gcagacctgg	tgacgcgact	ggcggtgcag	tcgcaacttc	tctcgtgtct	tcaatggcta	360
ggggagtttc	aggtgctggc	ctgtctgctt	ctcaccgaca	ccgtcagcat	cgcagacctc	420
gcacgcctct	ccggcgctccc	cagggcgagc	ctagcccggg	tcacccgctt	cacaatcacc	480
atcgggttcc	ttcaggagcc	ccagcgaggg	catgttgccg	acagcccgc	gtcaagcttg	540
ttcgtcagcc	gaccatccct	acgagacggg	gtgatgtttc	tggcagattc	ggctgcccc	600
acggcgctgc	agatggcctc	tgcgaccggg	cgatttgggc	atacggtggc	cagcgagact	660
gacaccgcct	acaacattgc	ctttgaccat	cgagaccctt	tttactttgc	atgcgagcag	720
cggccgaagt	tgcaacggcg	ctggctggcg	tacctgcaat	atacaggagg	cgatgcccgc	780
gacctacccc	agcaggtgct	cagccgcgtg	gactgggttc	atctgaacaa	tgcttgcgctc	840
ggtgaggtga	atacagccgg	gatgtggtcg	cagtgggtat	aa		882

<210> 11067

<211> 996

<212> DNA

<213> *A.fumigatus*

<400> 11067

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tcttcccgtc	gggcaagtgc	tctccacaga	ctgtgtgaca	gctgtcgtgc	ctgcgggctg	120
tccaaggtca	gatgctccaa	agagaaaccg	acctgctccc	gatgccgccg	acggggcacg	180
gtctgtgagt	atgttgtgac	caaacgtccc	ggcgcgaaac	cagacagtcg	atccgaggtg	240
gagccagagc	ccggccactt	gtcgcacccc	ttgccctcgc	cggagtcttc	gaccgcgata	300
tgcgaaggca	atcttccgga	tccggacgcc	ttcgatcccc	tcttcgcctt	gccggagccg	360
ttcgacagca	cgcccgaact	gcattcgggc	cccttggtcca	cggttgactc	gagcttgtcc	420
tctgcactga	ccacctggtg	ccccgacttt	gacgactttt	tctcctttcc	agtctccacc	480
gaggacacct	tgtctggaga	ccgtggtgog	gtctatgacg	ggacgatcaa	acaccgcgca	540
aacctgcgtc	gccacagcga	gagccctccg	gctgttccag	acgacacgat	ctatctgttt	600
ggcaagccgg	tggatcccg	ccctccagac	cagtcgctgc	ctgcgacaac	gacaattggc	660
aggagagctt	ctcccccttc	gggtagagaa	tgggaggccg	gttcccgtcg	tttgtcctgc	720
cgggtgcctaa	tccgcgccct	tgacctcctc	aagcattttg	aggtcattcg	aagggaggcg	780
gagatcgaat	cctcgttacc	ctcgatcgac	gccgtcgtgg	aagtgaacaa	gcagaccacg	840
gaggctatta	cgggaatgtt	acaatgtcca	tgctcgcaaa	aagacggcta	cctcctcgtc	900
ctgctggcct	tgattgtctg	caagatcttg	gaccgggtacg	ccgctgccgc	gataccgttt	960
tcaccacccc	gggtcgaagg	atcaacgcta	tgcgta			996

<210> 11068

<211> 492

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (78), (119), (149), (196), (248)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11068

cttccaggac	ggggcgattt	tccgcatggt	cgggggatca	aatttcgcca	ggatcctcgt	60
atcgtgctca	atggattntt	ctccgccccg	gatgcggatg	ccagaaagtt	tacgcctgnt	120
acttccgcgc	ctgcacctgc	acttcctgnt	ggatcagagg	ccctgcagcc	caaagcggca	180
cgggccagta	ctccgnccgc	tccagcatca	gccgatgcgc	cgaccaccaa	cggggtgaag	240
gcagccgntg	agcccgcacg	caacagtacc	gccgccaaag	cgatcgctct	ggtggctacg	300
gaggccggac	tccggctgag	tgacctcaag	gacagtgcc	gtttctctag	cctagggatc	360
gacagtctga	tgagtctggt	gatttccgaa	aagttccggg	agacgctggg	ggtgacagtg	420
acgggcagcc	tggtcttgga	gtatccgact	gtaggggatt	tgaagagctg	gctactggag	480
tattacagct	ga					492

<210> 11069

<211> 243

<212> DNA

<213> *A.fumigatus*

<400> 11069

caacctctcg	aagatgattt	tccggtgtac	gtcttacctc	catcatggat	gacatggtat	60
aagatgggat	tgagcactta	caacgtaaca	gcaatgggag	cggcgatatg	aacggcaaa	120
tctgggattg	gtatctctgg	tgtaggaacg	tttcggccag	atttgatcat	gaaggtttgc	180
agttttcacc	ccgcaagttg	cggggaaatc	attccaagta	gatgttctaa	ttccttgaca	240
tag						243

<210> 11070

<211> 192
 <212> DNA
 <213> A.fumigatus

<400> 11070
 cattttcttg aggggtgttcg tgcttacatg cagcaatccc gagtctatgt cgggatgatt 60
 cttatcctga tttttggcga agttctcggc ctttatgggt ttgtcttccc gccaatcgac 120
 aacaaagaca tatctgtgct aactgctgtc agactaattg tcggtctcat cctcaactca 180
 aagagcaaag ag 192

<210> 11071
 <211> 909
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (437)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11071
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 gcgctectctt tccagcgcga tgctgcattc tcagagatat tcggcggggc accgccacct 120
 ggacgctccc agacaatgaa ctgcgcagac cccagtttt cccaagatcg cgccacaca 180
 atgtcatcgc atgtgccaca tctcaaatg caaaggccac ccccgagcc cgctcgtcag 240
 ggaccgaatg gttacacgcc ggcagctccg aacggacact atcaagcata cccggggccc 300
 gcagctatgg ctcaacaatc ttgcgcacat cctccgcgac catatcccgg acgttatgtt 360
 tatcctcaac cccaacggct agattcgaga cccgctcctg gccacagta tccagatgtc 420
 aagggatagc gtccgcntat gcctccccca gccctgaatt cggatgcata cagatcaagg 480
 tcaatggcgc gaatgggtgg ccgcgcgggg tatcaacaac cgccactaag cagtttcaat 540
 cacacttccg caagcgcttt ccgtcaacaa ccgtatagtt cgacaactcc ggtaaccgat 600
 caaggacggg ttgtgccagt gaggcattgc aatgaacgcg caatgtcgtc gacatcctac 660
 tccatggatc gcgaccattc tcacaccacg cagacaggtc gggtgattcc tacaaggagg 720
 cagccatctg gcccaagtca acccccgacg cgccacttcg aagaagagcc tgcaatcggt 780
 caccatgtga acggaagacc gcgaccgcca agtgatgggt caacaaattc ccgcgttatg 840
 tctatggcgt cgaccatcgt accagatcgg atgctcacca cgggggtgaa aggatccgcg 900
 ctatgcgta 909

<210> 11072
 <211> 1425
 <212> DNA
 <213> A.fumigatus

<400> 11072
 attacatcta cgactctaaa gaagaatcat attctgtcac atataaccat ggggtctatc 60
 actccatcct tttcttcttt gccgcgaacg tccgagtcac acttctccaa gcgtggccag 120
 agtgcctctg accagggccg caagagaata acatgggacg tcatcagcga catgtggcac 180
 cccagagga atcattcagg aatcctctcc attggaatgg ccgagaatac attgttacat 240
 gacactttgc tcgaatatat ccacgccaat attcgtctct cagccgaaca ccttaacctac 300
 aacaatggaa gcatgggctc caacgccctt cgaaaggctg tgtctcattt tctaaacaga 360
 cagttcaaac ctttcgacc catcgagcct tcccacgtgc tggtcacaaa tggatgctcc 420
 tcggcgatag aacacctgag ctggactttc ctgaaccgag gagatgctgt cctcctcgcg 480
 atgccatatt atagtacct tattgcgcac ctttcgctcc gaccagaggc agtggtcgta 540
 cctgtccatt tggcagggtt tcaggatccc ctggatccaa aaacaatcga caaatacgag 600
 gaagcggcgg tagaatttga agcccgacac ggggaagaaag cgcgggctgt catgctctgc 660
 aaccgcgaca acccgctggg tcggtgttac ccgcgtgaaa ccgtggatcg tctgatgaga 720

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<210> 11073
<211> 195
<212> DNA
<213> A.fumigatus
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<400> 11073
gcgataaccc gagcctccaa ctatttgccc cccttcataa ccactcgccg attgaccgga 60
tgcaagaccc tcataaacat agaagtctct tccaaaggca ctgttgggct tttactatgg 120
gttactacta atttgtccca tttctctcca tccaactctc aggccatctt ccggttccaa 180
atccaattcg attan                                     195
```

<400> 11074						
ggttgccgcg	aatatcacat	actgtcctta	ttactcaaaa	cttgtgctaa	ctcattgcag	60
atcgacgtct	cgggtcaatgc	gcccgagttct	gggactataa	aggagctcct	cgtgaacgaa	120
gaagacactg	tgacggttgg	ccaggacttg	gtcaaactcg	aattagggtgg	tgctcctggg	180
ccaaaagagg	agacagctac	tgagaagcca	aaggagcccg	cagatgtcgg	gaagcggcct	240
cctgttgaat	ccaacaagcc	acaaccgtca	gaggccccc	aagcttcac	gcctccgcct	300
gaacagcctc	ctactgcaa	gectcagccc	cctgtccta	agtcagactc	tccttctgac	360
gttaaacccta	gcttcgaagg	tctgtaggaa	cgcagggtgc	gtttacagtt	cccttcaacg	420
tctgcgttgt	ctctctggca	ctcgctaact	cgcggctgtt	ctgttactcc	tttgggataa	480

<400> 11075						
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gcagcctcgc	tcactacctt	caacgaagtt	gacatgtcat	ccctcatgga	atttcgga	120
ctctacaaag	atgatgtgct	gaagaaaacc	ggtgtcaagc	ttggcttcat	gagcgctttc	180
tctcgtgcct	gtgtctatgc	tatgaaggac	gtccccgcgc	ttaatgcac	aatcgaaggc	240
cccaatggtg	gtgataccat	tgtttaccgc	gactacgttg	acatcagcgt	ggcgtgtgct	300
actgagaagg	gtcttqtgac	acctgtcgtc	cgtaacdgtg	aaacaatgga	cctcgtcgga	360

attgaaaagg ccatagcaga ccttggcaag aaggtcagtg gcattatgtg a

411

<210> 11076

<211> 501

<212> DNA

<213> *A.fumigatus*

<400> 11076

tttgcgatct	ccaacataca	gtctctttat	tgcttgcacc	ggggagaagt	atccacagcc	60
tggacgttta	tttcaagagc	ctcacttatg	tgcttgggct	tggggttgca	tagcagtcac	120
gccatggtaa	tggacaaga	aaatgcaggg	cagcgaaaga	tgtgtctttt	ctgggctgtg	180
tacgccctgg	agaaagctgt	ggctttacgg	ctcggcaggc	catcgactat	tagagaccag	240
gatatcacca	tcccacgact	cactctggac	cgcaaatga	cctcgctagc	atttaatcgg	300
ctgcctgact	ggattaatat	cgctagcctc	tacggccgct	tgtacgatag	tctgtatagc	360
ccgactgcgt	tgacacaacc	aggctccgtt	cgcgtttctc	gcaccagcgc	actggcttct	420
gagctggagc	gtatgatagc	ggcgagaact	gaatattatg	taagtattaa	acagcttgct	480
ctgtgttccc	aacagagtta	a				501

<210> 11077

<211> 828

<212> DNA

<213> *A.fumigatus*

<400> 11077

aaacccgcca	tgaagtatcg	cggcgttgct	tacgatgtcg	gccttaattt	cagtggcact	60
ggattctccg	tcgagccatt	caatcctgct	ctagtcaa	acgacatgaa	aacaatcgcc	120
gacgaattgt	atgccaatgc	agtcgggatt	gaaggagagg	agttaagtcg	gctggagata	180
gccgcacggg	cagcgactc	catgggacta	aagggtgttc	tcaatccatg	gaagatgaat	240
gcgaccattg	aggagacccg	cgcatacttc	gaagaggcgg	caataattgc	agaaagatta	300
cataatgaag	gcattgattt	ggctctttatc	gccggctcg	aatacaccat	cttcaacaaa	360
ggtgttttcc	cgggagattc	tttcaacgac	cgtgtaattg	tcctcgcccg	gcactttccc	420
agcagccaca	tgatcgagga	tatttcccag	actctgcgtg	acaagtctgt	tgagttgaat	480
aaggcggtgc	ggtcttttgt	tgaggtgatt	cgttcccagt	tcggaggaaa	ggtcacatat	540
tcagctggct	cctgggaagt	cgtggactgg	gatatttttg	atgttgctcg	catagactat	600
tatcgccgag	gagagactgc	ggagaagtat	gtctcgtgcc	ttgaccggta	caggatcggc	660
aagcctctcg	ctgttttaga	agtcggatgc	tgccgctacg	agggagcagc	agagcgcgga	720
gatggcgggt	tcgcactctt	gaagggcacg	aatccagacg	gcactggcat	cttcgagaac	780
gatattgtcc	gtcttcacca	cggggctgga	aggggctgct	cattctaa		828

<210> 11078

<211> 213

<212> DNA

<213> *A.fumigatus*

<400> 11078

atagcatccg	ggccgtcctt	aaatgcgcgt	ttgcgctttt	taggtcgctc	ttctagctgg	60
acagactttg	ggtcgtctgg	gtttggcgag	gacgattcga	gcgctttcag	tcgagagtac	120
tctttgtatt	tggcagctgt	tgataacgcc	gtgtcagttt	ctcttctact	taaattaaaa	180
ggtagtcttc	accacgggcc	tcaagaacca	tca			213

<210> 11079

<211> 1518

<212> DNA

<213> *A.fumigatus*

<400> 11079

```

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tacaaagagt actctcgact gaaagcgctc gaatcgctct cgccaaaccc agacgaccca 120
aagtctgtcc agctagaaga gcgacctaaa aagcgcaaac gcgcatttaa ggacggcccg 180
gatgctattc agaattcctc tacgccacga aaaaccgcca aagggtgcttt ggaaacgcca 240
tccaagaatc gactctcgag tccccatcct tcccaggtag atccttatac ttcgcctacg 300
gcgttgctga gactcttcag tccatcaacg caccgcacac cactgaaaac agccatcggt 360
cctacccctc aacgcgacgg aaaggcccta ggtcttttcg atctcttgtc agaactctggc 420
ggaagcacag caacaccctc agcagatcgc gtggcaagcg tacgtgccgc aaatgtccgg 480
accccgctga aacgaaagac catggacaca atcatggaag aagacgaaga cggagaagag 540
gagagcccaa ggctcggacg gacccccgca tcgtccggaa aaaagtggat gctatcagcg 600
ctattcgcga ccccgactac attgcgctat tccgcaatgg ttgaggatgg caatcatatt 660
actgagagga acctgggtcc tccgaccgat cccgagggca ctgccaggga cgtggccggg 720
cccgagaccg cgtcattcct gcgacggtca aactcagcac gatacgctac ctctcactct 780
gccaatccca gcctgagtcg gatcgctgtg cgcaaacccg cgcaattcgt cggaaagggg 840
ctctctgcgc tcgtgcaagg tctgcgcgac atggaagaag aacgcctgga agacgatttg 900
gacgtccttc gcgaaattga ggccggagcag gcagcgctga atgttgaagt tgctgatagc 960
caggcgcccg ctgaaatcat cggccggcac tggaaaaaga aggggcagaa acgtacaacg 1020
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gacgatgaaa acagacacca ggctgctggg gaggaaccgg ccgagcctgc agcagtcctc 1140
gaaacacaa acgccgaggg tctcgatgct gtcttttagt aaaaaacaaa tgaggagttc 1200
gatgatgaag atgatcaagt ctcacttcac accatttcgg agccagacct tgattccgat 1260
cctgaatatg gggaggatat caaacctgtt actaagagca agagcttctc ggagaagatg 1320
aaagaagcta tcggagttag ccaaccacag ccaacagaag atccggcaaa acagtccaag 1380
ccagtgatag aagcagagga gaccaagaag gttcgtgcgc gcaaggtaga ccccgaggcg 1440
cacgcaaact accgctcttt gaagattcga aacaagaaca gtaaaggccg gggcgctgga 1500
cgctttcgca ggagatag

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<210> 11080

<211> 411

<212> DNA

<213> A.fumigatus

<400> 11080

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ttcagaggga aaatcccagt ttggcccctt aaggagccct tccaccagtc cttgtacacg 60
gactcaagca ccgcaataat gtcccctttc ctgaattgta attcaccggg ttcggaaggc 120
tggaagtcca acaaagctct gaccggggag acggtagctg cggaagtacc tggcggtacc 180
gcttgcatg tcgctgtctg ggtctggctg gccggttcgg agacagaagt gcttgggttc 240
gctttaggct cagggggccg gctgggtttt tccctgatgg aaagagccag cgccatctgc 300
agttcttctt ctctctctcg ccgatctgcc tctgtaatct ctggtttccc gggtttagac 360
ggaggctgta ggttgggatc tgagaaaaag agatcagtc ttcgcatcata g 411

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<210> 11081

<211> 708

<212> DNA

<213> A.fumigatus

<400> 11081

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ggctcacggg acaccaacgc tggctatgat gcaaggactg atctcttttt ctcagatccc 60
aacctacagc ctccgtctaa acccgggaaa cgagagatta cagaggcaga tcggcagaag 120
gaagaagaag aactgcagat ggcgctggct ctttccatca gggaaaaacc cagcgcggcc 180
cctgagccta aagcggaacc aagcatttct gtctccgaac cggccagcca gaccagaca 240
gcgacatcgc aagcggtacc gccaggtagt tccgcagcta ccgtctcccg ggtcagagct 300
ttgttcgact tccagccttc cgaaccgggt gaattacaat tcaggaaagg ggacattatt 360
gcggtgcttg agtccgtgta caaggactgg tggaaagggt ccttaagggt ccaaactggg 420
atcttccttc tgaactacgt ggagaaactg ccagatccaa cggtagaaga gctgcagaga 480
gaagcccaaa tggaggcgga agtggttggg caaatcaaga atgtggagaa gcttcttacg 540

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cttttgagca	cccgtagctc	ggagttgaat	gtgcaagaca	acgaggaaat	cacgtctttg	600
taccactcga	cgttgtcaat	tcggcccgaag	ttgattgagc	tcattgggaa	gtattctcaa	660
aagaaaggta	tgtcaaagaa	gaccccgcg	tgcaattcat	ttggctaa		708

<210> 11082

<211> 789

<212> DNA

<213> A.fumigatus

<400> 11082

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gaatctctac	tggaagcatc	catggcgac	cctgcacaac	cccagtagcg	tcggcccggc	120
caggccccgt	acggatatcc	tggaacctgc	gcgcctctag	gttatccaca	aggtectccg	180
cagtcggatc	ctcaacggta	cttcagccca	aggccgcagg	accagacgca	catgtatcct	240
ccaacgtcac	actcacctga	tccacggggc	cgtacgccac	ctgctggtec	atccttccca	300
cagcaccagc	aaccaccgcc	agactcatac	cagcctgtcc	accaccggcc	agaatctaca	360
tatgacaacc	cacaagaatt	aggtaactct	gtatatgatt	caccctgcga	acatccgtct	420
tcaagtccagc	ggttacccta	tcctccctct	ggcgcaaac	ttccacctgg	tgtccaccag	480
cagttccagc	atcagcaaca	agagtaccgc	ccttcaggct	atccccccga	ggacgcctcc	540
aagcctcctg	ctgccggcct	cgccttacia	ccgccgcaac	agacactaca	acaacctcct	600
taccctacgg	caccggggcg	tcatacaacc	actccatcgc	accagccacc	accagtcccc	660
agtagggcgt	cgaagccaac	cccctatcct	tcattgacac	ctggaacacc	cagtggaggg	720
gagtatcagg	cctacaatcc	atcacaagct	ggcgagcca	actcgaaccc	taactcctat	780
taccgataa						789

<210> 11083

<211> 315

<212> DNA

<213> A.fumigatus

<400> 11083

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ctccctctgg	cgcacaagtt	ccacctgggtg	tcaccagca	gttcagcat	cagcaacaag	120
agtagccgcc	ttcaggctat	cccccgagg	acgcctccaa	gcctcctgct	gccggcttcg	180
ccttacaacc	gccgaacag	acactacaac	aacctcctta	ccctacggca	cggggcgtc	240
atcaaccgac	tcctatcgac	cagccaccac	cagtccccag	tacggcgctg	aagccaaccc	300
cctatecttc	attga					315

<210> 11084

<211> 540

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (534)

<223> Identity of nucleotide sequences at the above locations are unknown.

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cacaagcatg	gcaatgagtt	ctggcgacta	ggttctggtc	agggattgtg	gaagtactcc	180
tcggtgtccg	aggccttcgc	cgatcatccc	gagaatttca	atatggtcaa	cccaccctac	240
cgtgatacct	ttctgacaga	gttcacagga	acgatgtggg	tggtgctacg	gtaccaggtg	300
acatctccgg	gggcgtgggt	gctgcactgt	cactttgaga	tgcatctcga	caacggcatg	360
gccatggcca	ttctagatgg	agttgataag	tggcccaaag	tgccggatga	gtatgcctg	420

ggttcccatg gatttcgtgt ggatggcaag aatggactgc agcattatct cttccagcag 480
 ggtcatggac cagctaatac acctaagtgc tgcattgctg ttggggagct gcantcataa 540

<210> 11085

<211> 336

<212> DNA

<213> A.fumigatus

<400> 11085

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 aggagcgttg agatccttgt cttcgatcta gactcggcac ctcgatcccg cagcatctgg 120
 atcacccttt tgttgccgtg cagtaagtac accctactcc ggccctccctg gcatgcatgc 180
 agccaaagag gagccgaatc ggggagcaag ggatattgtc ctttccttga tatccatata 240
 ttttagtctta aattttatct ggactgtggg cctgtggcta tcatgacggc caagtggaat 300
 gaaagaattt tctatcacat gaagataaat atttga 336

<210> 11086

<211> 402

<212> DNA

<213> A.fumigatus

<400> 11086

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 gaggagcttg cagggacaat agatgaggcg tctggaatgc cagcttatgc ccgcatcgca 180
 tgggtcagta tcaactggat tggaggctgg acgttcaaaa gcctgcagcc cagcatcgac 240
 gagcacgaga tgtggatcta tgagggttgat ggccattata tcgaaccacg ccgggcagag 300
 acgttcctca tttggggcgg ggagcgatac tcagccctag tccagctcga taagaaaccc 360
 atggactatt ccatccgcgt gcctgacggt ggctatttgt aa 402

<210> 11087

<211> 339

<212> DNA

<213> A.fumigatus

<400> 11087

atgatatcag cttttgggat cttacaatac aaaaacagca acctagacgc tcatcggcct 60
 cctgatttgt ttagcgtcac cacaatctca cagcctttt tcgactaca tgcctggccg 120
 acctgggacg ggatcgtctt tctggacaaa cttgatcttc ctccctggcc tccaaggct 180
 cccttcactg gcgacggcga cacaatgcat gtcctctacc taggcaaagc caactcgacc 240
 tgggaattta ctttgagtgg gaagaaaaaa tacccttcgg accgctcggc gtaccaccct 300
 ctattgtata acgtaaattc tcccgaggcc tcgcgatga 339

<210> 11088

<211> 363

<212> DNA

<213> A.fumigatus

<400> 11088

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 cctctcggaa ttcggagaag atcctgttcc tcctgccgca cggctcaggg tcagccacct 120
 catatgcac actgccgcgt attgcccga aagtcgccgt cattgctctc aactcgccgt 180
 tcccttaaga acgatgtcga cgtgcactgc accgctcagc agcttgctgg aagctatctg 240
 aaagagatcc gcacccgcca gccacccggg ccctaccacc tcgccggctg gtctgcgggc 300
 gggattctgg cgtaccgagc cgtcagatt cttcttgccc gtggggaaca ggttccctgc 360
 tga 363

<210> 11089
 <211> 417
 <212> DNA
 <213> A.fumigatus

<400> 11089
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 cattgcgacg caatgggcat cttcggccag gagggcaagg ctccggaatg gcttatacca 120
 catttcaaga agaccaatgc cattctcagt ggatactatg cgacgccctt tgtggctggc 180
 cagggccccc acaggacagg aatcatctgg gcaagtcaga gcgtctttga tagtaaagga 240
 tgtgctcgac cggcgccgcg ccctgaggac atggaggata tgaagttcct cactgaggca 300
 cggactgatt tctcggcggg gatctggggg tccttggtcc ctggagctga ggtgggtgtg 360
 gataaggccg acggggcaaa tcatttctcc atgatggtga gggcatcagt actttga 417

<210> 11090
 <211> 546
 <212> DNA
 <213> A.fumigatus

<400> 11090
 ttctcaccca cccggccgct gtgtgggcga ctgtgctcct ctccaatttc aaccgcatgg 60
 gatgtcgtgg tcagttttgt cgtggcgag atcttcactg cccaccata ctctctcgac 120
 gctgtggata ttggctacat gtcggccggc cctgtcatcg gcggcacact tggatcgatt 180
 gtgtgcggtc tgggtgcgga tcccgctcgt cgcgcgctcg cgcgccgcaa ccgtgggtgc 240
 tacgagccgg agttccgcct cgtcctgac attcccatgc tgatagccag cgcgcttggg 300
 tggtttttgt ttggaaatct cgtggtcgcc ggcacgtcac cgtcgtcgt tgccgttgtg 360
 tgggccatca cgacgatctc gcggcagttc ggtatgacca ccacggggc gtatatctc 420
 gatggggtat ccaagcatct cgtccgaggt gtttatcatc gggatggtga cgaagaactt 480
 tgtgttcttt gggctttcgt gtgcgtacct ttcttccttg tccattggat ttaggatgt 540
 tgctaa 546

<210> 11091
 <211> 324
 <212> DNA
 <213> A.fumigatus

<400> 11091
 gaaatatggg gtgagcctct ttctgaacag ggactcgttc caacaaacgc tacacaatcg 60
 gttccgcgca agatggcctt tggaatccta agtccctcac atggaccgca gcatgttggc 120
 ggcacaagcc tcttggacac gagcggcggtg gacgaggctc catcggttgc tgagctggag 180
 cgtggaaccg gaaaacatgc aaagacggtt ctgatcccc agccttcgaa ggaccccaac 240
 gacccacttc ggtggccgct atggcaacgc gaattgatgt ttcttatgca catatactgc 300
 acgattctgt gtgttggcgg gtga 324

<210> 11092
 <211> 291
 <212> DNA
 <213> A.fumigatus

<400> 11092
 ataatataca caagaagtgc ttacaacatg ttagaagcct tcgaagtctt gacaacatct 60
 ggggtggtgc tgtgttcgaa gtcgtatgcg ccggtcggag cgcgtgtgt caacagccta 120
 atcaacgatg tcttcattga ggagaaggtt cgagcgcaga atcaggcagc gagcagtga 180
 gctcctatct acaagaagga aaagtatact ctgaaatgga agcaagtaaa ggatttcaat 240
 ctgatatttg tggatatgtc acgccgctcg ttgattcaat ggcgccactg a 291

<210> 11093
 <211> 663
 <212> DNA
 <213> A.fumigatus

<400> 11093
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 gtcttgaaca agctcgcaact cgtgctcttc ccttggcgac acaagccttg gtctcgtcag 120
 caagcacgtc taacaacatc gtctggcggg cccaatgggc agattgcaca gcaacaatac 180
 tcatccatgt tcttcccccc tctgtgatgat ctgaactctc cagatatgta catccctgtg 240
 atggcacttg tcacgtatat tcttctttcc gcggtgctgg cgggattccg aggtcaattt 300
 catccggagc tacttggctc gataactacg acggctattg cggttatagt ttttgaaata 360
 ctgtgtctca agctggccat gtacattctc agcatcaaca atgaatccca gcttttggac 420
 cttgtggcat actctggcta caagttcgtt ggcacatcg caactctggg tatgtccgag 480
 atcttgacac caggaagggg gactggcggg tgggttggct ggggttgtgt catgtacaca 540
 ttcttagcca acgctgtctt cttggtaagt gataaatttt ttgtcacttc agctttccag 600
 tccgttgaca agcttccagc tccgctcgtt gaagtacgtt ctactcccag actcaaccag 660
 tga 663

<210> 11094
 <211> 507
 <212> DNA
 <213> A.fumigatus

<400> 11094
 aagacaagaa gacgagacag aatagtcgca agtcttttgt tcatcactag cttctcactt 60
 attgtaacaa gggaaaaaaa aatcaacatg taccgccagt ctttcgcacc accgcctgcg 120
 cagtcacctc cactccacca tctgtgctt cagcatgtat ctaccgttcc catgatgcgc 180
 togcctcttc cccagcacc ccagcagccc cgtcgtctg gatatggcaa tctttatcag 240
 cctctctctg cgcagggcgg cagcgggaaca tatgcgcctg gtttttagtgg gttcatcaat 300
 gatcccacag cacagatggg attccaagtt ggaagacgg cgatggctgc tggccaggag 360
 tatatggaac agaactgtgag ttggctaaca aagaagccta ctgcaccaca aacctatgag 420
 cttctgctga tttttcatag ttcaatcgct atgtctccat cccagctctc aagcattact 480
 tcaacgtatc aaattcttac gtcttga 507

<210> 11095
 <211> 342
 <212> DNA
 <213> A.fumigatus

<400> 11095
 ggcactttta tcaaatgttc cattctgtgt caatacttgc gcatcttccc tagccgcggg 60
 tttcgatttg cttgccacac cgtgatgggt atcgtcgcat tgtactcgac atgggctatt 120
 gtcagcgcac tctggaactg cattcctgta gcgaggttct gggaccgcga tattcccggc 180
 tcttgcctca gtttcgaagc tgtctgggtc tttaacgcgt ccatgaacat cgctaccgat 240
 ctgaccttac ttatcatgcc gatgcgctc atttctcaac tccaacttcc ccgcatgcag 300
 aaaattgcac tcatggctgt ctttgctgtg ggtttactgt ga 342

<210> 11096
 <211> 216
 <212> DNA
 <213> A.fumigatus

<400> 11096
 ctccgatcat ggtatgtctg tcagctgtac cttgccagct tcttcattat cgaactagca 60

aggatgatcc	ttgcacgaat	taaactacag	caaaagaacg	accagccatc	tgaagctcaa	120
tccagccaca	atgcactaaa	tcacgctatc	accaactctg	atagcaaggt	tactacatca	180
gtgtgttcat	cgaatggaaa	cagtcagtca	atctga			216

<210> 11097

<211> 987

<212> DNA

<213> A.fumigatus

<400> 11097

agatctgagt	ggcttcggat	cggcccgcca	ggtcgatgtc	atgatgaccc	gaccaccttc	60
tacaagcaca	atggccacca	acacactcac	atgcactcag	gatccaattc	tctctcaaca	120
gtaccagcac	agggagagtc	catcgacatg	ccaagcgccc	tccgcacott	caccctcaac	180
ttcgtcggcg	acgtcatgct	cggccgcctc	gttgatcaac	tctggcccca	gcatgtcgac	240
aacgcccacg	aacgcccgtt	cgtctcctac	ttcatcgagc	gctaccctta	cctaagcaag	300
tacacccatc	gcgacccctg	gggctccgcg	ctaccgctct	tccacaactc	cgacctcaac	360
ctcattaacc	tcgaaacctc	agcaacaacc	accaacgacc	cctggcccag	caaggccttt	420
aactaccgca	tgacccccgc	gaacgcccgc	gacctgcgcg	aagcccgcgt	cgactacgcc	480
accttcgcaa	acaaccacac	cctcgacttc	ggcaccgacg	gcctagtcca	gacgggtctgg	540
acaatgaagg	agtcgaagat	tgcgttttgcg	ggagccggcg	aaacaacaga	cgagagccgg	600
cggccggcag	tcctgcgtct	tccacgctgc	gcagaagcac	acgcacagga	tagccacgag	660
caatcttcca	aatcgtagag	cgtgcacgtc	tacgcccctt	cggaccaccc	gcgcgactgg	720
gccgtcgtgc	ccaccttcca	tctaatacgac	tactcggcgc	gaacacgaga	gcacctgcgc	780
acgttgctaa	catcacctcc	agcatccacc	gacacgcccg	agaaacccgc	gctcaagatc	840
ttctccgtcc	actgggggtcc	aaattatacg	tggcagccgg	cagagaagat	ccgctcgctg	900
gcgcatttcc	taatcgacga	gtgcggcggtg	gacattgtgc	atggccactc	ctcgcaccat	960
gtgcacgggtg	tcgaccggca	ccggcag				987

<210> 11098

<211> 366

<212> DNA

<213> A.fumigatus

<400> 11098

tctactctgg	tttgtttctta	cattctttaca	ttgtgtagac	tgcccgttcc	ttcgtctgtgg	60
ctcgatgtct	ttcagaaaaat	caaggccctg	gggtttcaatt	gcgtttcatt	ctacgtcgac	120
tgggcccctcc	tcgaaggaaa	acctggcgag	tacagggctg	aaggcaactt	tgccctcgag	180
ccttttctttg	acgtggctaa	gcaggcagga	atctatctcc	tcgctcgctc	tggaccttat	240
atcaatgctg	aggcttcggg	cggtgggtttc	cctggatggg	tgacagagag	gaacggaacc	300
ctgcggacat	ccgatcccgc	gtacctgaag	gctactgata	agtatgtcgc	gtacgattgt	360
ttgtag						366

<210> 11099

<211> 276

<212> DNA

<213> A.fumigatus

<400> 11099

atcagctaca	ttgcccattg	tgctgctact	attgccaaaag	gccaaatcac	aaacggggggc	60
cccgtcattc	tttatcaacc	ggagaatgag	tacagcgggg	cgtgttgtga	tgctactttc	120
cccgatgggg	actacatgca	atatgtcatc	gaccaggctc	gaaacgcccg	tattgttgtta	180
ccattgatca	ataacgatgc	ctggactgga	ggacacaatg	cccctggggac	gggcaagggc	240
gaggttgaca	tctatggtca	cgatagctat	ccgtga			276

<210> 11100

<211> 306

<212> DNA
 <213> A.fumigatus

<400> 11100
 ggacacccaa gcgtttggcc caagggcaac ctgccaacca ctttccggac ggatcacttg 60
 aagcagagcc cgacaacccc gtactctctt attgaggtgt gtgtgtgtct caaatgccct 120
 cggatccgga caccactaat cgctcgtgcag ttccaagcag gttcctttga tccatggggt 180
 ggacccggct ttgcagcatg cgcgcgcctc gtcaatcacg agttcgagcg agtattctac 240
 aagaatgacc taagctttgg agctgctatc ctgaacttgt acatggtatg gaaggatccc 300
 gcttaa 306

<210> 11101
 <211> 1239
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1019), (1218)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11101
 tttcgagcag ataggaactc tgtctacaat tactgggtgc cacaacttga caaggacgac 60
 tcgtcaacgg gctacagctc cgaaaagact actgcttcgt ccattattgt caaggctgggt 120
 taccttgtgc gaaccgctta tactaagggc tccggcctct atcttactgc tgacttcaac 180
 gcaacaactc ctgtcgaagt gatcggagcc ccgtcaaacy tccggaacct gtacatcaac 240
 ggcgagaaga cccagttcaa gaccgataag aatggtatct ggtcaactga ggtcaagtac 300
 agtgctccta agatcaagct tcccagcatg aaggatctgg attggaagta tcttgatact 360
 ctgcaggagg ttcagtcaac ctatgacgat tctgcgtggc cagcagccga cctggacacc 420
 acacctaaca ccttgcgacc cttgaccacg ccaaagtctc tgtactcgtc ggactatggc 480
 ttccatacgg gttacctgat ctaccgcggc cactttgttg ctgacggcag cgagactaca 540
 tttgacgtgc gcacgcaagg aggcctggcc tttggcagtt ccgtctggct gaacgaatca 600
 ttctaggct cctggactgg tctcaacgcc aatgcggact acaactcaac ctacaaattg 660
 ccgcaggctg agcaaggcaa gaactatgtc ctactatctc tcattgacac aatgggcctc 720
 aacgagaact gggttgtcgg cacggacgag atgaagaacc cccgggggtat tctctcctac 780
 aagctctccg gccgggacgc ctccgccatc acctggaat tgaccggaaa cctcggcgga 840
 gaggattacc aagacaagat ccgcggccct ctgaacgaag gtggattgta tgccgaacgg 900
 caaggcttcc accagcccca gccgcccagc cagaagtgga aatcagctag tctctcgtat 960
 gggttatcca agcctggcat tggcttctac accgctcagt ttgatctgga tatcccaanc 1020
 ggggtgggacg tgccgctcta cttcaacttt ggcaacagca cgaagtcagc ctaccgggtg 1080
 cagctgtatg tcaacggata ccagtacggc aagttcgtca gcaacatagg ccctcagaca 1140
 agcttccccg tcccgagggt tatcctgaac tatcaggga acaattgggt tgcgttgact 1200
 ctctgggcac tcgagtcnga tggtgccaag tttggatga 1239

<210> 11102
 <211> 183
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (4), (7), (13)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11102
 ggcncnatt ttnacatgca ccaccgtcgg atccttctca gccccgtggg gaagacggat 60

gagaagtcac	tgtttgtcaa	tggcgagaga	atcatgattt	tcagcggcga	agttcaccct	120
ttcaggtgcg	acacagacgc	ggtgatctac	tctggtttgt	tcttacattc	ttacatttgt	180
tag						183

<210> 11103

<211> 675

<212> DNA

<213> A.fumigatus

<400> 11103

acctttggcg	gcacgaactg	gggtaacctt	ggccatcccg	gtggatacac	atcctacgat	60
tatggatcgc	cgctgactga	atctcgcaat	gtcactcgag	agaagtacag	tgagctcaag	120
ttaatcggtg	acttcgtgaa	agcttcgcag	tcttacattc	tggttacgcc	tggaattttg	180
actacctctg	gatatgccga	caccgctgat	ttgaccgtga	ctcctttgct	gggcaatggc	240
actggatcgt	actttgttgt	cagacatacg	gattacacca	gccaggcatg	taccccgta	300
aaactcagcc	cccccaaccg	tgctggaaga	ctcacagttc	cccagctcgg	cggtactctg	360
acgctcaatg	gacgtgattc	caaaattcat	gttgtggact	acaacgtcgc	ggggaccaat	420
atcatatact	cgactgccga	agtcttcacc	tggaagaact	ttggggatag	caaagtcttc	480
atcttgtatg	gtggacctgg	cgagcaccat	gagctggcgg	ttccctcaa	gtccgacgtc	540
caggtcgctg	aaggatctaa	ttcagaattc	aagtcgaaga	aggtggggga	tggtgttgtg	600
gttgccctgg	atgtgtctcc	atcccgccgt	attgtccaga	ttggcgacct	caagatatcc	660
ctgctgggtg	agtag					675

<210> 11104

<211> 1509

<212> DNA

<213> A.fumigatus

<400> 11104

acctcaaccc	cttattcgag	gtattgtacc	cctcgctcaa	gaacagaaat	actgatcttg	60
gccaagggtc	tgctctccga	gaaactactc	tttcccaggc	ctcatttttt	tgagggaagc	120
aaactaaact	ttgcggaaaa	cctgctgtac	ccggcaagct	caccagctga	agatactact	180
gcagtgattt	attgccacaga	atctgatagg	gaatttggtt	cctggaaaga	gctgcgggag	240
cgcgcttcga	agtgtgccaa	ctccctcagg	gaggcaggct	tgcaagcagg	tgatcgtgtg	300
gcaggcttcc	tcggcaacca	tgctaacacc	gtcattgcaa	tgctggcgac	gacatcaata	360
ggtgcctact	ggaccggcgt	gtctcccgat	acgggggtcc	acgccgttct	ggagcgcctt	420
agacagatcg	agccgaagat	tttatttgcc	gataacgcct	cgttatataa	cggcaaagtg	480
catagtgtct	atgaaaagat	ccgtcagatt	gtctctgagc	tgccagagct	tcagctgctg	540
gtagtctttg	agaccatcaa	gtcgcaccaa	ttcaatgtcg	atgaagtcaa	gccaacccaa	600
gggaaagcgt	gcacatacga	tacattccctg	gcttctgttt	caaacgcata	tgctgccctt	660
gagtttgcca	gccttgatcc	tgatcacccc	gtttacatac	tttactcatc	tggcaccact	720
ggtgcgccga	aaccatttgt	ccatggagcg	ctgggaacgt	tgctgcagca	caagaaggag	780
cacgtgctcc	attgcgatat	tcatccagga	gaccgcttgt	tctattttac	gaccacaact	840
tggatgatgt	ggcactgggt	ggtgtctggt	cttgccagcg	gtgccaccat	cgtcctctac	900
gaoggttctc	ctttccgacc	cttggaccgg	gaaggaggga	acggggagat	ggccatgccg	960
cgtctgatcg	atgagctgag	tatcacacat	ttcgggacat	ctgcaaaata	cctttccatc	1020
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ctgaaggcta	ttttcagcac	cgggtctcct	cttgccgccc	ctacattcga	atatgtgtac	1140
tcttccattc	atcctgacat	tatgctgggt	tccatcaccg	gtggtaccga	catcctctca	1200
ctcttctgtg	cgtgctgtcc	aattttacct	gtttacaaag	gcgaaatcca	atgccgctgt	1260
ctcggaatgg	cgggtgtcgg	atacgactac	tctggaagtg	atatcagcgg	cacgaatgag	1320
cccgggtgac	tcgtgtgtac	attaccattt	cccgcccaac	cgggtgatgt	ctggccacca	1380
ggcccagttg	gcgctgaaaa	ataccgcaag	agctatttctg	acatcttcgg	cccatccatt	1440
tggcatcatg	gcgactttgt	ccggatcaac	ccacacacgg	gaggtgtgca	catgcctggg	1500
ccgaattga						1509

<210> 11105
 <211> 291
 <212> DNA
 <213> A.fumigatus

<400> 11105
 tcaccccggtt tacatacttt actcatctgg caccactggt gcgcggaac ccattgtcca 60
 tggagcgctg ggaacgttgc tgcagcacia gaaggagcac gtgctccatt gcgatattca 120
 tccaggagac cgcttggtct attttaacgac cacaacttgg atgatgtggc actgggttgg 180
 gtctggtctt gccagcggtg ccaccatcgt cctctacgac ggttctctct tccgaccctt 240
 ggacccggaa ggagggaacg gggagatggc catgcccgct ctgatcgatg a 291

<210> 11106
 <211> 492
 <212> DNA
 <213> A.fumigatus

<400> 11106
 gaggatgtcg gtaccaccgg tgatggaacc cagcataatg tcaggatgaa tggaagagta 60
 cacatattcg aatgtagagg gcgcaagagg agaccgggtg ctgaaaatag ccttcagtgt 120
 tcgcaaagtc actggccggt gaggatgctg cgttggtttg agggaggcct gctccaagat 180
 ggaaaggat tttgcagatg tcccgaatg tgtgatactc agctcatcga tcagacgcgg 240
 catggccatc tccccgttcc ctccctccgg gtccaagggt cggaaaggag aaccgtcgta 300
 gaggaecgat gtggcaccgc tggcaagacc agacaccaac cagtgccaca tcatccaagt 360
 tgtggtcgta aaatagaaca agcggctctc tggatgaata tcgcaatgga gcacgtgctc 420
 cttcttgtgc tgcagcaacg ttcccagcgc tccatggaca atgggtttcg ggcaccagt 480
 ggtgccagat ga 492

<210> 11107
 <211> 663
 <212> DNA
 <213> A.fumigatus

<400> 11107
 caatcaacca tgtcctcaaa cgtcggcctc tccacccccc gcggaagcgg tacatcaggc 60
 tacgtccaac gcaactacgc cttcatgaag ccgcgcaatg caggctacgg cgcgcgtac 120
 ccgcccgttt caggcgcaaa tgccaacgat tctagccgtg gggtcaagca gcggcagccc 180
 gataaagcaga ttttgagca tgatcgccgg ccgcgcggtg aggtgaagg tttggaggag 240
 agggagaggc ttgaggagga gaacgagcgg attgagcagg agggtaaagg caaaggcgag 300
 ggcgaaggga aggtgttgct ggaggaggag attgaggagc ggtgtgaggc gctcaggggc 360
 aggttggtga aggagatgga ggaggaggag aatcgcaagg gtgatgcggc agatggtgag 420
 agggatgagg ggaggaggcg cagggggtgg aagcgtgggc ctagggatag ggagcgtgat 480
 ctgccgccga gagagaggag gcagttcaag acgtatcagg tgcattgagc tgcggaggcg 540
 aagattgagg agagtgagcg gtttaagaag gcggtgggga ttcgggagga tacggagacg 600
 ggggagatct cgagcgggag gaaggattac gaaccaggga agagggatag agagcgttat 660
 tga 663

<210> 11108
 <211> 411
 <212> DNA
 <213> A.fumigatus

<400> 11108
 tacgtcttga actgcctcct ctctctcggc ggcagatcac gctccctatc cctaggccca 60
 cgcttccacc ccctgcgtc cctccctca tccctctcac catctgccgc atcacccttg 120
 cgattctcct cctcctccat ctccctcaac aacctcgccc tgagcgctc acaccgctcc 180

tcaatctcct	cctccgacaa	caccttccct	tgcgctcgc	ctttgccttt	accctcctgc	240
tcaatccgct	cggtctcctc	ctcaagcctc	tccctctcct	ccataacctt	cacctcaacc	300
gcgcgccgcc	gatcatgctc	caaaatctgc	ttatcgggct	gccgctgctt	gaaccacagg	360
ctagaatcgt	tggcatttgc	gcctgaaacg	ggcgggtacg	gcgcgccgta	g	411

<210> 11109

<211> 546

<212> DNA

<213> A.fumigatus

<400> 11109

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tcggtgctctc	ataccacgtc	cgaagaagca	tatttttctc	gtccgcatgc	ccatccccat		120
caagccctc	ttccctcat	tccctccgaa	tccgagcttt	cagagctctt	accgccctgc		180
gctctccctt	gtgactcaac	aacctcggca	gccgacgtcc	gggtacatc	gattgctctc		240
ttctctccca	ttatcatcgg	gtgcatgcc	actcaggttc	ccatcgcat	tccagttgta		300
tcaattggat	tctctgggtt	aataaagcgc	gcacaccagg	ccgtctggcc	tgtatttgaa		360
gacgacatgt	ggaaaccgtc	ggagagactg	atggaaacca	tcagacacta	tgcgagcttc		420
cccgccacag	gtgtctctct	ccggcagatg	gtccagttcg	gtgacaggcc	atcgacaggt		480
atgtgtatcc	atctagtctt	tctagaatac	cttgaagtgt	ttcaattggg	ccgcagccag		540
ggctga							546

<210> 11110

<211> 705

<212> DNA

<213> A.fumigatus

<400> 11110

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aacctgccc	gaccaactct	ttctcaagaa	gtcaaagctc	gccttttacg	gcctgggaag	180
atgagtggcg	gcttttcaa	gattctttct	gaaactacac	aaaaccccag	catcaaggag	240
gggcagtatc	ggtcgtcccc	cacgaacggg	aatgggaacg	ggaagggaca	tgtcagccga	300
agatacttct	acccatccga	tgaccagggc	cattggccac	ccgagttgaa	cgactacaac	360
caacgggtttg	cgaagacgct	gcagcatatc	aaacggcgac	acgacagcgt	cgtgaccacc	420
gtagcccagg	gcatttttga	atggaagcgg	aaacgccaac	gtttacaaat	tgattccacc	480
gtccaatcgt	tcctagatcg	cttttatatg	tcccgatttg	gtatacgaat	gttaatcggt	540
caacacatcg	ccctgacgga	acagacgcgt	gttcgccacc	cgaactacgt	cggtatcatc	600
tgcaccaaga	caaatgtccg	agaagtgcgc	ctcgaggcca	ttgacaatgc	tcgtttcgtc	660
tgtgaggtct	tcaccacggg	ggtcgcggca	tccgcgctta	ggtat		705

<210> 11111

<211> 1017

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (580)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11111

ttcgtgtgct	ctggctcatc	agacgcagca	ccatcgccaa	cgccacagtt	gccttcagag	60
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cgctcttctc	agaccaagac	tgtcgattcg	aatcaggatg	ctaccagag	tgacaaacgc	180
tttcgcgcgc	gcttgagtga	gcagccgcgc	agcaaacgcc	agcgcacctt	gtcctactcc	240

ctcttcccgg	ctccgattga	ccgtgctcgc	ttccttggag	atctgactac	tactcctaag	300
aaaatgtccc	aagccgttca	gccagaatca	cgtccagatg	aagcagagaa	gccatctgcg	360
gcacaggacc	aacctccatc	gacttctcag	gtgacggatg	tcagtgaaca	ggggccctta	420
cttcagacgg	ctgaggacac	tactcaaaag	aagcgaaagc	ggtccccgtc	gcctgatgtc	480
attcccaatc	cggctggatg	cagctatgga	ttggacctgg	attatttctg	ctatagctct	540
gacagcgaag	aggaggccga	tgtgcaaccc	cagcaggctn	tacctctac	gaaacctgat	600
gctctagtca	agtctgccgt	tcgcagtgct	atgcggtcgg	aacaagcgtc	agcgaagagg	660
gtgcggttctg	atgccagccc	cgaggatacc	ccttctaaac	ttcgcaacgg	tcctcgtgcc	720
acggacccct	atacggaag	acactttatc	ggcatgggcg	atgctgctcg	agtgcgcgac	780
catggttccc	ttgccgctgc	gcccgcaaca	ccaacgcctg	ctcctcgtgt	cgatttgtct	840
actcctcagc	ggtctccggg	tttcatctcc	aacaacaag	gcacgttcca	gctggattac	900
gatgctttct	ctgacgattc	agagtcgagc	ggcgcgctt	ctccaaaatc	acccgctgcc	960
aagtctgtca	ctgagactca	aaccaccact	accagtacag	aagtacaaga	aaggtaa	1017

<210> 11112

<211> 261

<212> DNA

<213> A.fumigatus

<400> 11112

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ttggttctgc	tcctccatcc	tcgagtgtcg	cgattttatc	tcaggcccag	agtcaacgac	120
aattgctccg	cccgcggttc	tcctcctccc	tcctctcgcg	gccccttcat	cgtcaatatg	180
gctgagcaga	tggttcttcg	tggtaaccct	gagggccaca	atggctgggt	tacttccctg	240
gctacctctc	tggagaagta	a				261

<210> 11113

<211> 234

<212> DNA

<213> A.fumigatus

<400> 11113

agaaacgttt	gttttggaag	actttgggca	ttgattgagc	acgtggacaa	attgattctg	60
acttggatgt	ttctttcgaa	tagccccaac	atgctgctct	ctggcagtcg	cgacaagacc	120
ctgatcatct	ggaaccttac	ccgcgacgag	caggcctacg	gttaccacca	gcgcagcctc	180
gagggtcact	cccacatcgt	ctctgactgt	gtatgctacc	cgaaatccca	ctga	234

<210> 11114

<211> 471

<212> DNA

<213> A.fumigatus

<400> 11114

cgagattggc	tgaccgcgtg	tgtgttttgt	tccgtgcagg	tcattctctc	cgacgggtgcc	60
tacgctctgt	ctgcctcttg	ggacaagtcc	ctccgcctgt	gggagctcgc	taccggcgag	120
accactcgta	ccttcggttg	ccacaccagc	gacgtcctct	ccgtctcctt	ctccgcgcgac	180
aaccgccaga	tcgtctccgg	ttctcgtgac	cgcaccatca	agctgtggaa	caccctcggc	240
gactgcaagt	ttaccatcac	cgacaagggc	cacaccgact	gggtttcctg	cgttcgcctc	300
agccccaacc	cccagaaccc	cgtcatcggt	tccgctggct	gggacaagct	cgtcaaggta	360
cgttttatccc	gatctttccc	tgacgcgatg	tatacccaat	tcgaaaccgt	ctgccc aaat	420
gatgttttgc	ataatacgta	tttgctactt	cagagccttc	tatggccatg	a	471

<210> 11115

<211> 540

<212> DNA

<213> A.fumigatus

<400> 11115

tggacacttc	gcaatcttgg	ttttgcacct	ttatgcatgg	gaccaactca	tctattcccc	60
tgggggattg	aagctaaccc	aaggataccc	tttaggtttg	ggagctcgct	tcctgcccgc	120
tccagaccga	ccacatcggt	cacaccggtt	acatcaaacac	cgtcaccatc	tccccgatg	180
gatccctctg	cgctccggt	ggcaaggacg	gcaccacccat	gctctgggat	ctcaacgagt	240
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accgctactg	gctctgcgcc	gccaccgccca	gctccatcac	catcttcgat	ctcgagaaga	360
agagcaaggt	tgatgagctc	aagcccgagt	tcacgagaa	gagctccaag	gcccgtaggc	420
ccgagtgtat	ctctctcgcc	tggagcgctg	atggccagac	tctgttcgct	ggttacactg	480
acaacaagat	ccgtgcctgg	ggtgtcatgt	cgagggcata	gagggttgac	gagcgtttag	540

<210> 11116

<211> 855

<212> DNA

<213> A.fumigatus

<400> 11116

ccgctgtgtg	gttttgttcc	gtgcagggtca	tctcctccga	cggtgcctac	gctctgtctg	60
cctcttggga	caagtccctc	cgctgtggg	agctcgctac	cgccgagacc	actcgtaact	120
tcgttggcca	caccagcgac	gtcctctccg	tctccttctc	cgccgacaac	cgccagatcg	180
tctccggttc	tcgtgaccgc	accatcaagc	tgtggaacac	cctcggcgac	tgcaagttta	240
ccatcaccga	caagggccac	accgactggg	tttctgtcgt	tcgcttcagc	ccccaccccc	300
agaaccccg	catcgtttcc	gctggctggg	acaagctcgt	caaggtaagt	ttatcccgat	360
ctttccctga	cgcgatgtat	acccaattcg	aaaccgtctg	cccaaagtat	gttttgcata	420
atacgtat	gtacttcag	agccttctat	ggccatgaga	caaacaatca	ccaatgcctt	480
gatggacact	tcgcaatctt	ggttttgcac	ctttatgcat	gggaccaact	catctattcc	540
cctgggggat	tgaagctaac	ccaaggatac	cctttagggt	tgggagctcg	cttcctgccg	600
cctccagacc	gaccacatcg	gtcacaccgg	ttacatcaac	accgtcacca	tctccccga	660
tggatccctc	tgcgctccg	gtggcaagga	cggcaccacc	atgctctggg	atctcaacga	720
gtccaagcac	ctctactccc	tccacgctgg	cgacgagatc	cacgcccctg	tcttctcccc	780
caaccgctac	tggtctctcg	cgcgcccgcc	cagctccatc	accatcttcg	atctcgagaa	840
gaagagcaag	gttga					855

<210> 11117

<211> 426

<212> DNA

<213> A.fumigatus

<400> 11117

gttttgggagc	tcgcttcctg	cgcctccag	accgaccaca	tcggtcacac	cggttacatc	60
aacaccgtca	ccatctcccc	cgatggatcc	ctctgcgcct	ccggtggcaa	ggacggcacc	120
accatgctct	gggatctcaa	cgagtccaag	cacctctact	ccctccacgc	tggcgacgag	180
atccacgccc	tcgtcttctc	ccccaaaccg	tactggctct	gcgccgccac	cgccagctcc	240
atcaccatct	tcgatctcga	gaagaagagc	aaggttgatg	agctcaagcc	cgagttcatc	300
gagaagagct	ccaaggcccc	tgagcccag	tgtatctctc	tcgcctggag	cgctgatggc	360
cagactctgt	tcgctgggtta	cactgacaac	aagatccgtg	cctgggggtg	catgtcgagg	420
gcatag						426

<210> 11118

<211> 957

<212> DNA

<213> A.fumigatus

<400> 11118

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tgcctaaagt	gggtggaaga	aggtagaaag	aagaaggatg	cacagaggcc	ggaagccgaa	180
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gaaggctacc	aggaagccgc	ggtggaactg	tgtctgaaag	agcttcgccg	ccgccaggag	420
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aagaagactc	cttctcgtgg	gtctactgcc	gcacctcaac	aactcatcga	ctcaggcaac	720
cagtgggcgc	aaaaggccct	agacgttgct	gctaactctgc	agcctcctat	ccgcgacgag	780
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ggcaagcgga	aggaagccga	acagtattgg	aaggaggcca	agtctctggc	tcgcgggctg	900
ggactcgaag	agaatgccgc	ccatgtggag	gaagctctgg	cgcaattgac	gaaatga	957

<210> 11119

<211> 555

<212> DNA

<213> A.fumigatus

<400> 11119

actccaaaac	gagctatact	aaccacgaa	cagcaccaat	taggcacaaa	agtcagccct	60
gcggacttca	agcccagatt	tcgtgccgag	acttatcttc	ctggcacccg	ccccgccagc	120
aattcatata	ccccgaacac	caccggggag	tcgggcggcc	aggccttgaa	ccccttggtc	180
gagcgcagcc	acggaaagga	ggctgtcaaa	accactgccg	agtcgaccct	gaggggagcc	240
acctccaagg	atgtccacag	gggtctgggc	caccccggtc	ctggccagac	caagaccgaa	300
atcaagcacg	atggccagca	ccaccggaag	cacgagggtg	ccggcctcga	gggcgttggc	360
agctaccgtg	aagacaagtt	tgagcgcaca	ttggctgacc	agcgtgggtat	tgagcgcgaa	420
gaggccaggc	ccaacgacca	cggcgacaaa	ggcggttcgg	cggccgaaga	tatccctcca	480
cagtcggcag	agatggcggc	tcacgaatgg	aagtatgagc	ctggtaccaa	gaaggataac	540
gctgccagac	actag					555

<210> 11120

<211> 426

<212> DNA

<213> A.fumigatus

<400> 11120

tatacctggt	caatagtact	ccagaaactg	atcgacggcg	gtcacaaagt	cattattatc	60
actcatgcat	ataaaggggc	gactggagtt	cgatatctta	ccaatggcct	caaagtctac	120
cacatcccc	tcttcgtcat	ttatcgcgag	tcgacaatgc	cgacagtttt	ctccttcttc	180
cccctctttc	ggaatatcgt	gatccgtgaa	caagtacaaa	tcgtgcatgg	ccacggtagt	240
atgagcagct	tatgccatga	agcaattcta	catgcccgaa	cgatgggttt	gcggacggtc	300
tttaccgacc	actctctatt	tgggtttgcg	gatgcgggct	cgattttggc	gaacaagatg	360
ctcaaattca	cattgagtga	cgttgaccat	gtcatttgcg	tcagtcatac	atggtacgtt	420
cgttga						426

<210> 11121

<211> 1032

<212> DNA

<213> A.fumigatus

<400> 11121

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gtctcgggtc	ttcccaacgc	cgtggtcgca	gaaaacttcc	gccctctctc	tcacgatgct	120

caaaaaggcg	agaggacatc	gggagaaatc	gaacggcgac	catcacctgc	accgatcggg	180
cgggacgata	ctatcacaa	tgttgatc	tcgcgtctct	tctacaacaa	aggaactgat	240
ctcctgattg	cagttatacc	aaggattctg	gcgtcccacc	cgaatgtacg	gtttatcgtc	300
gcgggctcgg	ggcctcaggc	aatcgattta	gagcagatgc	tggaaagaaa	cgtgctacag	360
gacaaagtgg	aattacttgg	gtcgattcgg	catgaggaag	tccgggatgt	gatgggccga	420
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gctagctgtg	gtctttacgt	ggctctgtact	cgcgttggtg	gcacccacga	agtgttaccg	540
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gccgacaggg	tgcggagttt	tgcctctgatc	gatcggctga	aacgatacta	cgggtgtggt	840
gtctgggccc	gcaactgtt	ttgcctctgt	gcagtaatat	atttcctgct	ttacgtgttt	900
ctcgagatgt	ggtttccgag	atcgaacatc	gatataagccc	gcagttggcc	caaaaagctc	960
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cttgcccat	ga					1032

<210> 11122

<211> 1764

<212> DNA

<213> A. fumigatus

<400> 11122

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gccggagcga	cactgccctt	tggcatggcc	aaagcagtag	cagacacgca	aggcgagaat	180
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ggaactggtg	gatcaccatc	cttgggcaat	ttccccctct	ttgctcatgc	gagctgtccg	300
ggggatgacc	tcaatcaatg	caagtggcag	cagcctgac	ggggcgttgc	gtgggtgcc	360
aactccccca	aagcccagcc	aggctacttt	agcatcgcat	tggagaatgg	cgtaaatgcc	420
gagatgacag	tgacgaaccg	gtcagccttg	tatcggttca	aattcagcgg	cgcctccgga	480
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tttgggatag	gcagctacgt	tcttactttt	tgtgctgatt	tcaaaggcgc	cgaactccgt	660
gacacgggcg	tgtggctgaa	aaaccgggcg	ggtacgaacc	aaacgacagt	ctcggtgact	720
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gagaaagcat	ggagagagaa	gttgccaggtg	attgaggttg	acgcagagag	cgtctctgct	960
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tgggactcat	atcgtggggg	gcacagttg	ctcacattgc	tcgaccctat	ctcgcagtc	1140
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cgcagtatct	cgcggacggt	ggagtacgcg	tacaatgact	tttgcatctg	ggcgctggcc	1500
aagcggctgg	gccatgacgc	cgactttgaa	aagtacattc	aacgctcgac	taactggcag	1560
aacatgttta	aagaggatca	gaggtcgtac	atcaacgggt	tggacacagg	ctttgccggg	1620
ttcctacagc	cgcgctacct	caacggaaca	tggggattcc	aggatccgat	cttttgtagt	1680
ccgctgtaca	actttacctc	gtgctatctc	aatcccgtcg	gacacgagac	ctacgagggg	1740
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<210> 11123

<211> 351

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (345)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11123

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gacgaacaag	ctttcctgcc	ggttttccaa	ttccactatt	cggccgacc	tggcctctcc	180
gctgcgcgag	cacacttcta	catcccatcc	cagttcaacg	caaccatccc	aggaatcccg	240
gggaacgacg	acggcggcgc	gatgggcgca	ttcgccgtgc	tgagcatgat	gggtcttcac	300
cacggggctg	gaaggatccg	acgggtggcg	tatgtctatc	aaacncagca	g	351

<210> 11124

<211> 951

<212> DNA

<213> *A.fumigatus*

<400> 11124

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gcggaatttc	gctacctcct	tgcccaggcc	acgggggtcta	ccgccaagtt	cttgcaatac	180
ctgacatacg	gatacatgat	tgacaacatt	gcgcttctga	tcaccggaac	cttgcacgag	240
cgggacacgc	gagagctgct	ggagcgatgc	catcccctag	gctggttcga	aaccttgccg	300
gtgctatgcg	ttgccaccaa	catcgaggaa	ctgtacaatt	cggtgctgat	agaaacacca	360
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gccgaccgct	gtgcaatcaa	catcactctg	aactcattcg	gcaccgagct	ctcgaagcag	600
gaacggagga	agctgtacct	cgagttcggg	aagctctacc	ctgaggggtc	tctgatgctg	660
tcccgcgccg	atgacctcga	aggcgtgtct	ttggccgtga	gtgtgaatgc	cgactacaag	720
gcgttcttcg	acgcagttgg	tctcagccag	gggtggtggtg	gaggcttcgg	gatgggtggc	780
ggctcagatg	ggaagagcct	ggaagatcta	ttctacaaaa	aggaaatgga	gttgtgtaag	840
attgtcttca	cgcgccagtt	caccccggcg	gtggtatacg	cgtggatgcg	tctcaaggaa	900
caggttcgtc	gctcgagctc	gatgacaata	ttcccttcac	agcgccgctg	a	951

<210> 11125

<211> 735

<212> DNA

<213> *A.fumigatus*

<400> 11125

agagcttcca	gaaattcgac	agtgtctgcta	cagctctgga	agaagtggct	tcgcttgtgg	60
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tttctctggc	cgttgccgat	cccaagctcg	gtacgtgaca	tgaacatttt	gagaagtcaa	180
attactcagt	ttctaactct	gtgtctaccg	aaaggcaacg	cgattggcaa	gcttcctggc	240
atgtctattc	aattggctcg	ggactcgacc	acgaccgata	tcttccgtgc	tattcgcgaa	300
catcttccca	cactcattcc	tggccttctc	ccccaggaca	tgtctaccat	gtcccttgggt	360
ctgtcccaact	ctctcgccag	acacaagctg	aagttctccc	ccgataagat	cgatactatg	420
attgtgcaag	ctattgggtt	gctggatgac	ctggacaagg	agctcaacac	ctacgccatg	480
cgtgtgaagg	aatggtagcg	ctggcatttc	cccagagctcg	ctaagatttt	gaacgacaac	540
attgcctatg	ccaaacttgt	actcaagatg	ggcatgagat	cgaactggga	gaccgcggat	600
ctcacagaaa	tccttcggga	ggagcttgag	gccaccgtca	aggccgctgc	tgaccgctcc	660

atgggtacag agatcagcca ggaggatttg gagaacatcc aagcattggc tgagcaggtt 720
gttggtttcg ccgaa 735

<210> 11126

<211> 405

<212> DNA

<213> *A.fumigatus*

<400> 11126

acgcataatcg cggatccttc gagccccgtg gtgaagatcc tgccacccgt ccttgccaac 60
ttccgcgtcg ccaacaagga caccgacctta cctgttggag gtgggccgga tcaaaagtcc 120
cccgtctaca tccgcaaggg cacaatagtc acctacagtg tatatgccat gcaccgccgg 180
acagacttct atgggtccgga cgcgaacgag ttccgacccg aacgctggga agaaaacggc 240
aaacgaggat gggagtatct tccctttaac ggcggtccga gaatctgcct tggccgtgag 300
tttctccttt ctctcacgag gcctcaattt ctagctaaca tctgcagaac aatacgcaact 360
cacggaggcc agcttcacga ttgtcaagtt acttcagcga tttga 405

<210> 11127

<211> 1023

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (974)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11127

caagtgcaga ttcaccaact acggactcta ctctctgggc gtctcataga gccataaatc 60
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tttgaacagc tctcgagac ggacgcgcgc agcgtcgagc aggtccagga gttccaggct 180
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aatggggggc agctgctcca gccgacgggg atgtgggagc aggactacga tgttcttctt 300
gagggaacttg agaaggagga acaggcgcaa aaggagcagc agcagagggc taaagaggag 360
gaggaacgcg ccaagattca aggggttgag ggcggtcga ggacgatcgt ggagacgttc 420
actcgacgaa atctaccagg tattcgggtg atggctcacc aggaccagcc caggatcact 480
gttgtttcgg tcaaggctgg catggcattt caactgcagg ctgtcaatgg agatggacat 540
gatatggtcg attggcggtg tcaggaactg gcggtcctcg ggaggccgaa gacaaagctg 600
gaaacggcgc ttgcagcttg tctgaatgct cgtccgcggc aatgggatct tgcataatcta 660
ctggtaagtt caaatattga cattaacaac agatacaacg ggacacgtct aacccttaat 720
tcaggacatg atagcctcct actccgacgt caaacagacg ccgtgcgtga aatgcggaac 780
aatgaccgac aacgcgcgc aactgccctc cgtccgcagg cccaaccccc tccaatcgtc 840
ccaaggccaa ccattcctct gggaagcata ccacccacc tgcacgata ccccccggt 900
ctctcgccct accttcacct aatcatgcac cccatgcaca acatcatgcc cgccggatac 960
tcccccccc ccanatccca atatcccccc cggaatttaa atgggccccct cctcctcct 1020
cct 1023

<210> 11128

<211> 183

<212> DNA

<213> *A.fumigatus*

<400> 11128

ctaacaatctg cagaacaata cgcactcacg gaggccagct tcacgattgt caagttactt 60
cagcgatttg atcgattga gaacggggat ccgatctga ttgagccaat ccagcagacg 120
aatctcactc tggcgcatga tagagggtga tatatcagac tgtactcgtc gaaggcactc 180

tga

183

<210> 11129

<211> 237

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (189)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11129

ccgacaacgc	cgcgcaactg	ccctccgtcc	gcaggcccaa	ccccctcaa	tcgtcccaag	60
gccaaccatt	cctctgggaa	gcataccacc	ccacctgcat	cgatcctccc	ccggtctctc	120
gccctacctt	cacctaata	tgcaccccat	gcacaacatc	atgcccgccg	gatactcccc	180
ccccccana	tccaatatc	ccccccggaa	attaaatggg	ccctcctccc	tcctctcc	237

<210> 11130

<211> 1590

<212> DNA

<213> A.fumigatus

<400> 11130

agactagatc	tattcgatct	cgaggagtcc	tatcagcggc	tcgccaaactg	ggtcgggaat	60
ccgactgtcg	atgaagatac	tgtcagctca	atcttctatc	ttgttctcgc	catcggagtt	120
cagggtttcgg	agggttaata	ggatctcgcc	gaacagtagt	tcgtcagcgg	ccgccagctc	180
gcattctctg	ctttcaccga	aacccccagc	atatacacga	tccaatctta	cgtcttgatc	240
tcaatgtata	tgcttggtgc	gtgtcgtcgc	aatgggtgct	tcatgaacct	gggaatcgct	300
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agcgcttctc	taggacgtcc	cccggcgacc	tcggattttg	atcatgatgt	acgcgatccg	480
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actatatcca	cactgacaac	aacggggata	cccatgtggt	gttcaccggg	aggaaccctc	1500
acgaccgctc	aaccgggaat	ggacacagat	gctggaggca	gacgcccgtc	ttttccacga	1560
ggggacgaag	gtgccgcgaa	aagcgctcta				1590

<210> 11131

<211> 216

<212> DNA

<213> A.fumigatus

<400> 11131

gcaatctatt	atcttctct	actccgtaat	ttactagaca	tcaacgacaa	cggggacaaa	60
acgcatcatc	tcagtcggtt	ctccatccta	tggtaaccg	tcctcgtcgt	aaccaagtac	120
agcgcgacca	gtcatcgtt	gtagtcctt	cctcgtggct	ctctttttgc	cgccctccgac	180
ctccaatact	cattatttct	tcccttcccg	ccttga			216

<210> 11132

<211> 279

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (258), (259), (261), (262), (263), (271), (272), (273)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11132

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agtgagtgtg	tcttctttat	cacctgcccc	acttcctctc	acctgccatc	attctcttcg	120
ctctgcttca	atgcctttgc	tgatcagtat	atgcagggtgc	tgccactact	actagtctcg	180
tttcagtagc	cccggaacat	taagatatcc	tcgtcaatcg	cggctgtctt	caccacgggg	240
tggcaaggac	gtgccagnng	nnngtctatt	nnnacaccc			279

<210> 11133

<211> 3183

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (3179)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11133

ggctacctct	cgtcggacaa	agacatggcc	atcccccgca	ctcctgtcaa	gagcggggcaa	60
gagctatata	aattgatcga	aatcctcaat	caacagttcc	atcttgaaat	ccccaatcct	120
cgaatctatt	cgccgtcagt	tggtcgcaat	gagcagacgc	ctcgatggcg	cacgtataaa	180
ggcctcaaac	ggctctactt	caatcgcgag	gttggccttg	gccggatctt	gaatgatttc	240
gaggaatggg	tccattctcg	cccaacgtcg	cacttgagaa	cgcacagtgg	cgtggggccgt	300
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gtcatctcta	cgcatgagaa	gaacgagcgc	cttgagtatc	tggtgaagct	cgtggatgac	420
gaaatatact	tgctgagcag	agggtcggtc	cgcgtctgtg	cggatgacaa	tcgtatgcaa	480
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gacgaagagt	atcacaccgc	gcccactcgc	cctgtgaaga	accccaccgt	tcaagatcac	600
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acctcgaatc tatgccgatg caccgtagag cacgagaaga atgcatacga cgagtcgatt 3120
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<210> 11134

<211> 516

<212> DNA

<213> A.fumigatus

<400> 11134

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ccgccgccca atggaccaca gctgaacaac ccaccggcga gtaaccttct attaccgct 180
atgacaaatg gacactggaa aactgaagag cttggttact tctggcctga tatgccagaa 240
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gaccgtgtga aagatgtaat tgattataaa ggtgaacccc ttgtcaaagc aaacttacia 360
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cagtcctttt gtgctcttcc gttagaccaa ggatggttac ctgagctggt aaaacgtttt 480
aggccacgtg ctgctgatgc tctgggtcaag ttataa 516

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<210> 11135

<211> 231

<212> DNA

<213> A.fumigatus

<400> 11135

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gtttggaccc	ggcttgagcc	atatctccgg	cgtgatattc	ccaaacctac	ccctactacc	180
acattgaccc	agttcctcga	gcagttggag	tcccgcctccg	gcacgtctt	c	231

<210> 11136

<211> 2088

<212> DNA

<213> A.fumigatus

<400> 11136

cttcccggtt	ctcttaaact	ttctgaggtt	gagatggaag	gaagcgtggt	tgaagggtatt	60
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gtccttgagg	gtctaccaac	tcccccatct	taccatgaca	tgcattgtgaa	tgatctgggg	180
cttacacctc	ccccctgggtc	acagctgcta	caacctacca	atgccactgg	accgaaaccc	240
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acagggtcga	accacgatca	tcagacgaga	ggctcgcgga	agggcacgtc	cgacgatccg	360
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<210> 11137

<211> 198

<212> DNA

<213> A.fumigatus

<400> 11137

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tttactatt	tgagcacatc	tgaaggacgt	attacacgtc	gtaacaagac	tgcattcacc	180

ctcaaggtaa tttattga

198

<210> 11138

<211> 1461

<212> DNA

<213> A.fumigatus

<400> 11138

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agttttctgt	cctcgtatca	ctccacagct	ggccattatg	ggcagtcaca	tatcaaggcc	180
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<210> 11139

<211> 1110

<212> DNA

<213> A.fumigatus

<400> 11139

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 <212> DNA
 <213> A.fumigatus

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gcgcacgtgt gcgactcctg tttcaagagc taccaacgac gtgtgtcttg tctcgtctct	180
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<210> 11141
 <211> 753
 <212> DNA
 <213> A.fumigatus

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<210> 11142
 <211> 198
 <212> DNA
 <213> A.fumigatus

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gtcccatcac acccaatcac ggccgattac agcaagctcg tgaacgatta cgggccaggc	180
gagatgatct cccagtga	198

<210> 11143
 <211> 888
 <212> DNA
 <213> A.fumigatus

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<210> 11144

<211> 225

<212> DNA

<213> A.fumigatus

<400> 11144

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cgcccgacaa	actcatatgc	gattgtcgcc	atcggcgctt	cagagaactt	ctacaggtgc	180
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<210> 11145

<211> 267

<212> DNA

<213> A.fumigatus

<400> 11145

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tcctcctccg	cccctgtact	acacacaccc	gcctccgcgc	ggccctacgg	gcccgcctcc	180
acagggggccc	cgaccaccct	tctaaacggc	aatgctggag	aaaaggaggg	aaggagtagc	240
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<210> 11146

<211> 321

<212> DNA

<213> A.fumigatus

<400> 11146

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tcgcggggga	atagaaagag	agaaaacagc	gggaataaac	tggcacgcga	cgctaacact	300
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<210> 11147

<211> 759

<212> DNA

<213> A.fumigatus

<400> 11147

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<210> 11148

<211> 273

<212> DNA

<213> A.fumigatus

<400> 11148

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ctccaggatg tcattcccat ctgtcatgct actattgccg gcaccgggat tgtcggccgt 240
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<210> 11149

<211> 471

<212> DNA

<213> A.fumigatus

<400> 11149

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<210> 11150

<211> 201

<212> DNA

<213> A.fumigatus

<400> 11150

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<210> 11151

<211> 210

<212> DNA

<213> A.fumigatus

<400> 11151

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tttgtgggca	ccatcaatgg	attgcaccaa	cgggaaatca	ggatctcttg	tagaatgaat	180
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<210> 11152

<211> 237

<212> DNA

<213> A.fumigatus

<400> 11152

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ccctttcagg	acattattcc	attcgccgtc	gtcggcagtg	agaaaactat	tggtgttaat	180
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<210> 11153

<211> 288

<212> DNA

<213> A.fumigatus

<400> 11153

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acatctcaga	ttgagcggaa	gctcttgaag	cgtggctttc	agttcaatgt	gatgtgtgtt	180
ggtatgtggg	ctgcaactgt	ccagttgttc	cttgaacgaa	ctcacattga	ctgtgtcctt	240
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<210> 11154

<211> 273

<212> DNA

<213> A.fumigatus

<400> 11154

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atatttgctt	cccatctgat	cgattctaag	gggcgtctga	cgcccaacga	gcccgttcga	180
tcgactacag	agatccagac	tgtctccac	agtgcgttgg	tgccggagga	taagatcttc	240
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<210> 11155

<211> 324

<212> DNA

<213> A.fumigatus

<400> 11155

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<210> 11156

<211> 288

<212> DNA

<213> A.fumigatus

<400> 11156

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gtctgggcct	gtcacgaggg	aacttggtcc	aagtacgacg	ctgcttcagg	tatcacaatc	240
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<210> 11157

<211> 240

<212> DNA

<213> A.fumigatus

<400> 11157

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<210> 11158

<211> 582

<212> DNA

<213> A.fumigatus

<400> 11158

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<210> 11159

<211> 801

<212> DNA

<213> A.fumigatus

<400> 11159

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801

<210> 11160

<211> 402

<212> DNA

<213> A.fumigatus

<400> 11160

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<210> 11161

<211> 684

<212> DNA

<213> A.fumigatus

<400> 11161

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<210> 11162

<211> 447

<212> DNA

<213> A.fumigatus

<400> 11162

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tctaattcta	tcagaacggt	gctcgtctca	aggcatgggc	tgggtccgat	gttggctatg	360
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<210> 11163

<211> 279

<212> DNA

<213> A.fumigatus

<400> 11163

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aaagacatct	cgttcgacaa	cgttttcatc	catgcctatt	cgactaatgc	atcggtaggt	180
ttccattcac	ttgtggaagc	agaggataag	ctaacggtgg	cccacaggcg	ctccccaaaa	240
acacggatgg	cttcgacacg	ctcaacgtcg	atggattga			279

<210> 11164

<211> 417

<212> DNA

<213> A.fumigatus

<400> 11164

ttctatcaga	acggtgctcg	tctcaaggca	tgggctggtc	ccgatgttgg	ctatggccgc	60
atcaacaacg	tcacttacia	gaacatccac	gtcgagaaca	cggacaatcc	tattgtcctg	120
gatcagtgt	actttaacat	aaacgctaca	cagtgtgctg	cctacccttc	gcgcgtgaac	180
ttcaogaaca	ttgtctttga	ggacatctat	ggaacctcgt	ctggaaaacg	cggttaaggtc	240
gtegetgacc	tcacctgctc	gcctaattgcc	gtgtgttcgg	ggatccgtct	taagaacatc	300
cacctcaacca	gtcctgcggg	cagccctcca	gtcattgttt	gtgatggaat	tcaaggggat	360
attggagttg	aatgccagtc	gtcaagtaat	tcgacgacta	agcgctcggc	tgatttg	417

<210> 11165

<211> 228

<212> DNA

<213> A.fumigatus

<400> 11165

atgttccacc	atcacagtat	tataagagtc	attctgagtc	atacacttgg	tagttctgtc	60
ttctgtaatt	cacatgatat	ctatatcacc	ggcagcttca	tgtgcttctt	ccctgccta	120
ccactggagc	ctgaaattgt	aatctatatg	agtcaatcct	actattgcc	ctgtggctca	180
gatgactgcg	atcacagtga	cattggagaa	gatccagctg	gagcttag		228

<210> 11166

<211> 891

<212> DNA

<213> A.fumigatus

<400> 11166

tcgcaaactt	ttttttttct	atttgctttg	atttcactat	ttacaagcgt	ttatatccaa	60
tcgtggccac	agtttattag	ggcctcgatt	ttccatgctt	tggcgataat	gtatcactac	120
gcctcaccac	cacctgggtg	gtcctcgttc	gattacatga	actctcctcc	cacgtctcct	180
cactacgcct	actacgcgac	acaattttgcg	aatccttacg	tttctcctcg	aggcacgtca	240
aagcgccaca	atcgcaaggc	cagctacgcc	gccccaggcg	aatcaggagc	atggcattcc	300
ggttatggcc	agagctttta	tgaagcgatg	ccggaatatg	gcacgcgcgc	acgcaagcac	360
gagaatgtaa	gtgctttttc	tgggtggctat	tcacctctgc	gtcgctcctg	ggccaggctc	420
gtcgcgaccg	gcctctggga	taagaccggt	tatcacttcc	atgagacacc	gtattcgtcg	480
gcacaatgtc	gcccctccat	ctttgtggat	gtggttgatg	atgtgttcga	tgaccgaccg	540
cccgttacac	ccaaacggga	cagttacgcc	cagtcgcgtc	gccagccgtc	gttgtctcaa	600
cgcaaggcaa	ggccacccac	tgattcttat	ttctcctctc	ctcagggtccc	cgcgtacgac	660
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tctaagccta	agccgtccgc	cacccccaa	gcaccacca	aggcgacgga	ggaggacgcc	780
gcccgtgccg	gaattccgcc	ggggtactcg	atcaagaact	gggacccgac	cgaggcgcc	840
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<210> 11167

<211> 432

<212> DNA

<213> A.fumigatus

<400> 11167

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ggcgccgaag	tcagctttga	caatctcact	tttaccatca	atgggtcgga	cgacgcagtg	180
aaatcagcaa	tgatggttgt	caaccaaatt	ccattttgtga	agcgaagcca	gtaccaaatg	240
cgcgtcaaga	tcgagcttgc	aaatgagcac	aaggagtgtg	tcagtggaaa	gaagaacggc	300
aagatcaata	agatcatggg	ccagagtaag	tcctatttcc	aacagactgt	ttgctgcaac	360
gtctcattga	ccttcttcag	gcaacgttca	aatcatattc	gatggcttca	acgagtacaa	420
cttctacatt	ga					432

<210> 11168

<211> 666

<212> DNA

<213> A.fumigatus

<400> 11168

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ccctcctgct	ccctctcctc	tctttccctt	cgacttgctc	aaggggtcag	agactcgatc	120
tattctgggtg	tcattgcacaa	gatctccaat	tttacggggc	aggcccgctc	tggtctgggag	180
cggatgacgc	ctaccttttg	catgtctaga	cctcacactg	acatgacctc	tcacactcct	240
cggcgccgcg	atggcgctcc	tcctatgacc	cctcctaccg	gaatcgatcc	cacggtcaac	300
ctgtccttca	atgtccatt	ctcctcgacc	ctcgctggcc	cggatatcga	tgacgtgatt	360
catgcgagtc	cggcgccct	tcagcgctgg	tcttttctctg	aaggcactcc	ggaaggaacc	420
ccagtctaca	acctaccgct	ccacgccaac	aacgtcgaat	ctcttcgcag	attatgccgt	480
cagattacgg	agtccagtaa	cggtcgcgtt	gaagcgggtg	ttacatcgctc	agaacccaaa	540
tcggttcctt	cattacagag	acgaccccaa	ggcctgggtga	ccaacgtctg	cattacgggt	600
gatggagaaa	ctgtgcgcaa	gatgcggggc	aaaattctca	acgagacacc	catcctactg	660
gtatga						666

<210> 11169

<211> 534

<212> DNA

<213> A.fumigatus

<400> 11169

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accatgcata	ctttggtctg	cggtcgggacg	cgcaagaaca	tcaagctcat	cgaagcggct	120
actggcacgg	caatttactt	ccccccaccc	ttccctcgaa	ttttcggcta	caccctcca	180
ggcgcccatc	gccgcagtga	agatgaggtg	tacattacgg	gtgataccca	ggaacagatt	240
gcccggtgcca	aacagaagtt	gcgagagttg	gtgatgggag	tcaagatcta	cgtcaaggat	300
gtcatcgtca	attccaacaa	gattgacaac	attctgcttg	accgcctcga	caaggctcgg	360
aaggtgatgg	aaatgaacgg	ctcctatggt	ctcttccgcg	agctcggcag	ccaacggggc	420
ctggtgcgta	tccagggcac	cgagggtctg	cacgttgagc	gcaactgtcg	ggaaataatg	480
gctctggtgc	gtcgagccgt	accatctctg	atcccaattg	cattcacttt	ctaa	534

<210> 11170

<211> 624

<212> DNA

<213> A.fumigatus

<400> 11170

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gacgtctgtg	gcaatcaata	tgagtccaca	aagaacggtc	ttgatcttgt	tgagcaggag	120
atgcctgctt	cgatctcttt	ccacgtgccg	gatcagtacc	acaagcggat	catcggaatc	180

ggcggacagc	acattcaacg	catcatgaag	aagtattccg	tcttcgtcaa	attctccaac	240
gctatggacc	gcggcggtat	gggcaaggaa	gatgatgaca	tcaagggtga	caatgtcatc	300
tgccggacgc	cagcccgcga	tgcccagtcg	ctcgatctgg	tcaagcagga	aatcatggac	360
atggttgaga	aagttgtaag	tggtcgatct	tgctcgagca	gcccgtcaaa	agttgggttg	420
ctaatagcca	tccaggatgc	cgaatacgtt	tctgagcgtg	ttgtcatcaa	tcgtttgtat	480
caccgtgaac	tgcttgcccg	catggccgag	atcgatgagc	ttgagaagaa	atggaattgc	540
aagatcgagt	ttcctagcac	agaactggct	tacgacgtgg	taacccattt	tggaccccca	600
gtatcaggtc	cctcaggctt	gtga				624

<210> 11171

<211> 2154

<212> DNA

<213> A.fumigatus

<400> 11171

cgctgtaacg	aaggggaaca	cccagaaggg	gtgggaaaac	ggaaaagttt	tgggggggta	60
acggaattca	cggggcaggg	ccctttgtgg	ggtagggggg	caatttatgg	gaccogattg	120
ggaatttccg	agtggatgat	tggaagcta	ctattgagtt	cacgctttat	gggagctgac	180
gatgaaatat	tctgtccttc	ctttccatca	agggatgcc	atagaagagc	ttccaatgct	240
gaaccggggg	cggcgccgtt	ggagaaaagg	accgttgagg	aaccagaccc	tggtcgtgca	300
tatggaagct	tatcaacctt	ccatcatgta	gggcctgcga	cgggcgcaag	tcgtatatca	360
gccctccggg	ctgcaagaga	atctgttaca	tcgtcaccat	caccaccttc	ttcggcttat	420
aggagccctt	tatcggtctg	cagagctgca	ccaactggac	gcgtgctgct	tctcgctgcc	480
gaagccagtc	ctagtccctt	tagggcacct	tctatctcat	tccagccatt	caaagcgccg	540
cctctttctg	cttcaccttc	tctaattgat	ccgcccctcg	ggcgctctcc	tcgctctagg	600
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acagaagagc	gacgaggatt	tggccgccgt	gtcagtgacg	gccgcaacta	tccgccacat	1980
ccgtcgcagg	tcgaagagga	cgagcctttg	ctgtttgcc	tgagtgattt	cggggcttct	2040
agaagaagtt	ttgaagaggg	cagacagggg	aatcatggtg	ctgacttttg	tgggttcgcga	2100
cgcggcagcg	gcagacgtgg	tgccggcgctc	cgggggtttc	acgtttgggc	ttga	2154

<210> 11172

<211> 192

<212> DNA

<213> A.fumigatus

<400> 11172

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ttctacaagt	ctctttcttc	tctacccttc	actatcatct	gtgaagatga	taaattctct	120
atcctccatc	atcttggttt	gatttcatgc	atacggcatt	gccgaatcgc	atactccaag	180
ttctggaatt	ag					192

<210> 11173

<211> 216

<212> DNA

<213> A.fumigatus

<400> 11173

ctcaaagcgc	gctctctcag	aatcaatgtc	atcggtcccta	cttctgcaac	gttcatccaa	60
cgctctgagc	aagcaactct	caggagtgcc	accaatggta	gctggggctt	ccgtttccac	120
ggcctcttca	cctgggaagc	ctatatcacc	tcataccccc	cataccccg	ctatcccttc	180
tcgtctaagt	tcaaacagta	ttgtcgatta	caatga			216

<210> 11174

<211> 2121

<212> DNA

<213> A.fumigatus

<400> 11174

ccaaggacac	ggatactgag	gaattctctgc	cttgtgggggt	caacacggca	gattctccgt	60
gtcgtatgct	ctaactggga	tatcaaggat	gatattctccg	tcatggacat	tgacgaagag	120
cctgccaaag	acgctgtgga	gtctgctgat	gaggaggact	ggcttgcgga	gaccacccgt	180
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ctaacatcac	gctacaacat	ttccaacgat	caggcatatg	atatgtcaa	gcagaatcat	480
cagaacaaaa	ttcgcgacac	gcttggaat	gtcactctcg	agcacagtat	gcccgcctt	540
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aagcgcaagc	atcaaaaagg	caaggacgcc	aagactctgt	acgactcgac	caaggctttg	720
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agtcccttct	ccatctttgg	tcacgttgat	cccgagagag	tcacaccgac	tatctccaac	960
tccatgtatc	gtgcacctct	tttccagcac	cagccaagat	ctacagattt	ccttggttga	1020
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gacgaaagcg	acatggatcg	cgaaatggaa	gaggatttca	gcaaacccac	acctcactcg	1860
gaagctccga	ccccagcgcc	caatcgctcg	gatgacgaaa	caaccagtca	gtttagcaag	1920

atgagcatgg	cagacccaaa	gggcaaggtc	ctgcgtatcg	ttcggcagtt	caaggatgaa	1980
aggggcgaaa	tcgtccagaa	ggagacgaca	gtgtgggata	cgcgtgtcat	tcgacactac	2040
attcagcatc	gtcataagat	ggaagctctg	accaccaagt	acgcttgccc	ccattatctt	2100
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<210> 11175

<211> 867

<212> DNA

<213> A.fumigatus

<400> 11175

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gcagtgcatt	caataaaaagc	gcattctgca	tggtgcctca	ctggcacacc	catccacaat	120
tcgcttgatg	attacgggtgc	ccttctgagc	ttcattgggg	tgccggctct	cagcgacaag	180
cccgcatttg	atcggtggat	tgcaagccca	gtgaaacaga	aacaaacggg	cagtcttcaa	240
agacttcaat	atctggtggc	tgctacagcg	ttccgccgta	ccaaggccat	ggtcaagatg	300
acggttgctg	tgccgaaaaa	ggtagagagg	atcgagtcaa	ttcagttcac	tggcgcagac	360
cgggagttat	atgaattctt	caagggtcaa	gcattccagg	tagtgggtca	actcactgga	420
ttcagacaat	ctatggctgc	aaccgcggac	aacaagaaag	agagcacgct	ttccttgatt	480
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gagtggcgaa	ctcgacagaa	tgagcagata	acaagtgatg	tgtattttgg	cagacacccc	600
gggcaatcca	gtcaacgtgc	atctgtcccg	gtggatagaa	aaaccccaga	aagtgggggtg	660
ctcaccaatg	gcgagcggat	taccaacgta	aacactcctt	acccatcctc	acaggaattc	720
ccaatgatac	cggacacggc	atccagtcca	ttggcaccct	atgaagtacg	cctttccccc	780
tcagccaagg	tcaaagctct	cctgaagaat	ctggagcggg	agcaaagtgc	tgatagaggc	840
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<210> 11176

<211> 213

<212> DNA

<213> A.fumigatus

<400> 11176

cagcagctaa	tacgtagaat	cgacagcgtc	gacctaacgc	cagcgaatta	cgtccatctc	60
ctcgagccac	attggaatcc	aatggtagag	gcccaggctg	ttgacagagt	tcatagaatt	120
ggtaaatcac	gogaggtcgt	tgtaaccagg	tacttcattg	agaactcgat	cgaagatgta	180
cgaaatctgg	tttcatgcag	cgcaccaatt	tga			213

<210> 11177

<211> 234

<212> DNA

<213> A.fumigatus

<400> 11177

aggagatcat	tcaatcctga	ccaaacatcg	ctaacacggg	atagtgttat	cttcagccaa	60
tggaccagga	tgcttgatct	ggtcgcccag	gcccttcgaa	aacatagcta	caagtacgca	120
cgcattgatg	gtcactcgag	tctagcggac	cgtcgggtccg	caattcagca	tttcaacggg	180
gataacaact	gcacagtaat	gcttgccagt	attggcagtg	ctggagaagg	gtag	234

<210> 11178

<211> 396

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (142)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11178

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tatcacggctc gtaagcgacg agtaacacag caagcactat cccgggacta tgatattgtc	240
atcaccacgt atgacacctt actgtcggat tggcgcgcag gcagtggctc gcatagtga	300
atttggtata gagtgcacct ggatgaaggt aagtacgacg ttaatggcga aagctattta	360
tcaatgatca ttgacagttg cacgttcagc acataa	396

<210> 11179

<211> 423

<212> DNA

<213> A.fumigatus

<400> 11179

tcggtttcag gtgcttcggg tggcttcaag acggataccg atatttcagg aaacttcgcg	60
atgcgtgaac gagctctgaa acgatgggag cctgcagctg acaccgaggt tgacttatct	120
ctcgaaagta cacacgatac ggctggatgg gatcaattcg agaccaacga aaggctgttt	180
ggcgccacta gcagttatga tgagaatatt tataccactc gcatagaccg ttccgatcct	240
tcatacaaac aaagagaggc agaggctgcc cgtatcgctc gggagattga gagtaccaat	300
gttgacaaca ttcatgtcag ggaggaaaga ggcttggtc cggtcgacga cagtgggttg	360
gacgaggaag acaaactctc cggcgctccg cttttaatca ggccgccgct ggcagttagt	420
ggg	423

<210> 11180

<211> 498

<212> DNA

<213> A.fumigatus

<400> 11180

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actattgtag cggacatcct gaatctgcc catccagatt cgttatttga cttcgctatc	120
tcaattgctg ttgtacatca tctgtccaca cctgaacgga gaattcgggc catccgcgaa	180
attctccgca ctttgaaacc tgcctcagat aaatcgccg gaggcagagt cctgctgtat	240
gtttggggccc tggaaacaaa gaccagccgc aggggctggg acaaaggcga caagcaggac	300
gtcatggttc cttgggtcct gaaaccgaag tctgccaatg gtagctctga cgacgagccg	360
aggactttcc atcggtaact tcacctctat gaggcaacag aactggaacg tgacattgaa	420
agagcgggtg gccgtgttct agattcgggc tatgaaaaag acaactggtg ggcaattgcg	480
acacgatccg aagagtag	498

<210> 11181

<211> 444

<212> DNA

<213> A.fumigatus

<400> 11181

cgtggatcca tcgccccgcg tggatgaagac gccggcccg tgactactac gtccgccttc	60
ccttcgagga ccctccctcc agcttccatg ggccaagcga tgctgtcgc agcctcgacg	120
cctttgtcat ctgcgcgcgc tcttacagcg aaaatcccag catccgtccc tgccaagcgt	180
ctgcagccag ccatacagc cgagtcctcc gccaagaagc aatcgaagtg gtccccgaa	240
gaagatgcac tcatcataga gctgcggggt agtggcatga agtgggagga catcagtaaa	300
cggctcccgc gccgaagcgc tatcagctgc cgtctgcact atcagaatta cttggagcgc	360
cgaagcgagt gggacgagga caagaagaac aaacttgcaa ggctatacga gaggtacgtt	420

tctgaaaaga acggccctgt ctaa

444

<210> 11182

<211> 714

<212> DNA

<213> A.fumigatus

<400> 11182

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atgagcgaag	aagtccacaa	cccgaccacc	gtggtccttc	gcatacctcat	ccaaaccatt	120
cttatcaacg	gcactctggc	attcgggttc	attctgggtca	tgctgttctg	catcggagac	180
attcactcca	tcttactctc	tcccaccggc	ttcccatca	tcgccatgtt	ctaccaggcc	240
accggctccg	tccacgcaac	aacagcaatg	caatcggcca	tcacctgat	cggctccgtc	300
tccaacatcg	ccgtcgttgc	gtccgtctcc	cgccctcat	gggcttttgc	ccgagacgga	360
ggcctgccct	attccaagt	ctttgctcac	gtggatggca	aataccacac	ccccctccgc	420
gccatctgcc	tcgtctgctt	cactgtcgtc	ctgctctccc	tcgtcaacat	cgccctccacc	480
accgccctca	gcgctgtcct	ggccctcacc	accagctcgc	ttttcatctc	atacatcatc	540
cccgctcgtca	tgatggcccc	gaagcgtata	cgggaaggagc	cgattgcgtt	cggcccat	600
gcgcttgccc	gatggggtct	ggcgaataac	atctatgcta	tcgtctttgg	cgtttttaat	660
ttgtactttc	gtgtcatatc	cgaccgaaat	tcctgtgacc	ggtaccaata	ttga	714

<210> 11183

<211> 249

<212> DNA

<213> A.fumigatus

<400> 11183

gctgccggta	atttgtcttt	gcctagcggga	tttgctcccg	gtttgatgaa	tggaggctct	60
gcggcttttg	tttgggggat	gttgctatcc	ataacaggga	cgatggcact	ggccttgtcg	120
ctgggcgaaa	tggcctccat	ctgcccactt	gcgggagcac	agtaccactg	gaccgcgctg	180
ctgggcgcgc	cacggatccg	ggcgttcagc	acttggatgc	aaggtacgag	ctacggaaaa	240
gcagtctga						249

<210> 11184

<211> 435

<212> DNA

<213> A.fumigatus

<400> 11184

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agtatcagct	tcctcgtggc	cacgcaaata	caaggcctga	tcatacctgaa	tcgcccagag	120
tatgaaccgc	aacgatggca	tggaaacctg	ctcatgtggg	cggtgatgct	cttctcgttg	180
agcatcaatg	tctttgccgt	togaatcttg	cccttccttc	agctgttggg	cggccttatg	240
cacgtcgtat	tcttcacgt	tctgatcgtt	cctctgggtg	tattgtcgcc	acgcagtacg	300
cctgaatttg	tttttacgga	gctgctgaac	cagggcggat	ggagtagcga	tgggggtgtc	360
tgggtgtctg	gaatgttgac	ggtgcactat	tgctttaccg	gtaagacatt	catgactcat	420
atgaacttcc	actga					435

<210> 11185

<211> 609

<212> DNA

<213> A.fumigatus

<400> 11185

acttccactg	acgcaggcag	gattcgacgg	ggccatccac	atgagcgaag	aagtccacaa	60
cccgaccacc	gtggtccttc	gcatacctcat	ccaaaccatt	cttatcaacg	gcactctggc	120

attcgggttc	attctggtca	tgctgttctg	catcgggagac	attcaactcca	tcttacactc	180
tcccaccggc	ttcccatca	tcgccatggt	ctaccaggcc	accgggtccg	tccacgcaac	240
aacagcaatg	caatcgcca	tcaccctgat	cggctccgtc	tccaacatcg	ccgtcgttgc	300
gtccgtctcc	cgcctcacat	gggcttttgc	ccgagacgga	ggcctgccct	attccaagtt	360
ctttgctcac	gtggatggca	aataccacac	ccccctccgc	gccatctgcc	tcgtctgctt	420
caactgtcgc	ctgctctccc	tcgtcaacat	cgcctccacc	accgccctca	gcgctgtcct	480
ggccctcacc	accagctcgc	ttttcatctc	atacatcatc	cccgctcgta	tgatggcccg	540
gaagcgtata	cggaaggagc	cgattgcgtt	cggcccattt	gcgcttggcc	gatggggctc	600
ggcgaataa						609

<210> 11186

<211> 246

<212> DNA

<213> A.fumigatus

<400> 11186

accgacatgg	caggcacatt	accaccattg	ttcccatct	ccgatgagga	ccacagcggg	60
tatgtcgtcg	tcactgtcta	tactttgcta	agtttgactg	tgaccactgt	ttttgtgcga	120
cttttcacaa	gatggtatat	cgcaagggat	gtctactcgg	atgatgtctt	gctcacaggc	180
gccacggtat	catcgtccac	gtgccatggc	ttattcctga	cgggtctaac	ttttgatctc	240
gtataa						246

<210> 11187

<211> 492

<212> DNA

<213> A.fumigatus

<400> 11187

ttgactgact	attctttcgc	tccgactaaa	atatacctgt	ctctgactct	ctcccgtccg	60
ccgctggaag	gccccctgat	cacctttgcg	cagtttattg	tgactgctgt	atttactttg	120
ccaaatttcg	tctcgtctgc	atgtggggccc	cggtcattat	tcctcagtc	acgtgtcatc	180
ccattaagat	catggtttgt	atacacggcg	ttcttcgtga	cagtcaacct	tttaaacaat	240
tgggctttcg	catatagcat	atcgggtccc	ctacacataa	tattgagatc	aggcggccct	300
gttgcttccc	ttatcgtcgg	atactcgttc	aatggaaaga	agtattctta	tggtcagatt	360
ttggcagtag	cgggtgcttac	tcttggcggt	gttacagcag	cattggcaga	tgctcaagct	420
aaaggcgaac	cattaggcat	tgggcattgt	ggatcttcac	cacaggggcc	gacggacccg	480
cgcaatgaat	ta					492

<210> 11188

<211> 276

<212> DNA

<213> A.fumigatus

<400> 11188

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attcatcata	tcattaacaa	tgaatttacc	aaacagggcc	acactgtcat	cattatggcc	120
cataaactca	gcactttgga	gaagcatatg	aaagctggaa	gggatgccgt	ggcaatgatg	180
gcagatggtc	gattagatga	agtaattaac	tacttaggac	cagagacctt	ccagtattcc	240
atgcagatgg	gacatcggct	cactggaact	tcctaa			276

<210> 11189

<211> 225

<212> DNA

<213> A.fumigatus

<400> 11189

tatatatggt	tcagctataa	gttagcgatg	acgcagagtt	ttacgggaac	tagcaataac	60
tttcagctgg	ttattgctgt	tgctattaca	atatttagag	cagacagcag	ccaggctatt	120
gcgtctacag	tggggccatt	agatgagatg	ccagtattgt	tggggtttgt	ctctgctgtg	180
aaagctgtgc	caaaccgact	aagttaggaag	ggttcgattt	gctga		225

<210> 11190

<211> 339

<212> DNA

<213> A.fumigatus

<400> 11190

caatcgctcag	tactaaagtc	ttttacaatg	gctgagaaca	cctatcaaca	cgtgcgggtcc	60
cgctatggag	acatcgctaa	acgcacaggc	accaccatcc	atgacaagga	agacgacatt	120
gcattagcct	ttgggtacag	tgcgaggac	ctacatgctc	ttccagataa	agcaaattcta	180
ggattgagtt	gcggaatcc	tgtggcacat	gccaatatca	aggaggtacc	tggtacattg	240
tatgcggttg	tagactccca	gaggctaact	cttaacaatt	gcattagggg	gagacaattg	300
togatctcgg	aagtggaggc	ggcatcgatg	tccttctag			339

<210> 11191

<211> 402

<212> DNA

<213> A.fumigatus

<400> 11191

ctcaaccagg	acatgatcaa	tctcggaag	aaaaacgccc	aagcggctgg	tctgtccaat	60
actcgtttta	ttgagggcag	catcacctct	atcccgcttc	cggatgccag	tgctcgactgc	120
attatcagca	actgcgttat	caatctggta	ccatcaaagg	ataaaccgac	tgtattccag	180
gaaatcgctc	gcttgctgaa	gccgggtgga	aggggttgcta	tcagtgcacat	cctcgccagg	240
aaggagctcc	cagcgaagat	cgtcaacgat	atatggctct	ctatgttggg	tgcatgtcgg	300
gggccagtca	ggtcgcagag	tatgaagaat	atctcaaacg	cgcggtgatt	aagagtacgt	360
acttcaattc	cacgcagata	ttgctcttcg	ttactaatat	ga		402

<210> 11192

<211> 936

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (662)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11192

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cacgcagatt	caccatcact	gtcaggagac	catcgatatc	atcaactcat	cataaatgcg	120
gatgcagaat	ggcgatcgct	acttggaag	gaggtaaaaa	ctttcgatgc	cgcaacagag	180
caatatcgtc	gccgtcgga	tcgacatccg	ccccagggt	tcaaagagt	gttcgaattc	240
gctcgatcca	aggacgcgct	cattattgag	gacttttttg	accaaattcta	tgatgacct	300
aatccatttt	ggggcctcca	accgaaggag	atccgacggc	aagcgcaaag	cctcaaacc	360
cgcacgctg	ttcgcaacca	caaagcgacc	gctatcacgg	accacggagc	actctgggta	420
gactcatggc	tcagtcttgt	gggaagcatc	gagcagtacc	ttcctgacct	cgacatgccg	480
tttaacccca	tgatgaatc	tcgaatcggt	gtgccttcgg	aaaccattgc	cgaatacatg	540
gtcaaggaac	gtgtaagccg	acagtggatg	cgagataaaa	gtcctgcgga	gtttatcaca	600
gaatacacag	ctgttaagaa	tgaatccgaa	tctgggaaat	tcgaacctcg	cttcctgggt	660
cncgacgatg	gtcagttctg	ggatattggt	cgtgtctgct	gcccgcctaa	caatccgtcg	720
cgcaaaaatc	tctccctcaa	cccagctaca	gtcctgcatg	tggaatgga	gaaatttctg	780

```
<210> 11193
<211> 195
<212> DNA
<213> A.fumigatus
```

```
<210> 11194
<211> 561
<212> DNA
<213> A.fumigatus
```

```
<220>
<221> unsure
<222> (392),(504),(519)
<223> Identity of nucleotide sequences at the above locations are unknown.
```

```
<210> 11195
<211> 3087
<212> DNA
<213> A.fumigatus
```

<400>	11195						
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ttccgtgtcg	ataccggtgt	tgtagaggag	actaccttca	taaaccgaaa	gcttcacgcc		120
ggcctagcta	aacttgaacg	gcatttcagcc	gactttgcaca	ccactgtttc	atctctgatg		180
caagccctgt	tgcgccttct	cctggctgat	agagtcaact	cgtccgacgt	cacttatgga		240
cttgtaactct	ctggctcgagc	tgtggcagtc	cctgatgcag	aatccgtgct	cctgccttgt		300
attacaacca	ttccggctcg	attgaataacc	agtggcttga	aaaccgtctc	tgatgttgtc		360
cggtcggttc	accaatcaac	tgcccggtct	cttgagtatc	agcacacctc	tctgcgtcat		420
atccaacggt	ggttgaagtc	ggaaaagcct	cttttcgact	gtctgtttctc	ctacatccga		480
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ggctttctgc	catcgttcgg	tccggccgac	cgcgggcaag	aatttcttga	gaaactagac		660
gcgttggttat	cggcttttct	gtttgaagat	gatattgcac	tggacagctt	cagccttgct		720
aactctggga	atcccggtct	acgcgcaact	gaggtcaaat	gggacgcaac	aacctgggtct		780

gcgaccgaga cgaaaattcg tgacctcact gctactttct gtggacttga cgtggtgaac 840
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 gcacggaaac tccgcgagct gcagtttgaa atcgtgccgt cagatatcat gcgttccct 960
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 ggccaaacta cggtaggtcg gcctcaattt tctgagattg cccactacat cgtggaaggt 1620
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 tgcttcgtgg cgacttcacc atcaatggct gtacaggccg tgcttaaaga cgcgccacag 3000
 aacgcgaaa tcttcaaggt cattgagct cctgcatgca ttgaagaagc agcaaaagcc 3060
 caagctaggg aagaggggct gaatccc 3087

<210> 11196

<211> 834

<212> DNA

<213> A.fumigatus

<400> 11196

gaagacatca tcgccaatg ggaaggagac ctgcagccaa tccagcagga aatcgagtcc 60
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 aacgccaaac ccctctccag ccgcctcaca aacggcctca acttccgtcg tcgtcaaac 180
 ggacagggtg caggtgcagg cgcattcacat ccagtgccac cactgcagcc agctgcgcc 240
 tcgatatgcc gcgaccacga tcgtgagcgt gagcgtgggc ttgaacgcac cagtaacggc 300
 agagtcccat ccgccccaa gccaattac tccctgtcgc ctaattctagc cgttccctaat 360
 aaaccccgcc tgaataatct gacccgtcc tccctgtcgc ctaattctagc cgttccctaat 420
 gcgcattctc cccctcagc gacccacac agcgattctc atctcccggt cccaggctca 480
 gactatgcc agacaccgt gagcgggct tcccctaact cctcgcgac ggactatttc 540
 agcctcaacc tccgaaaacc atctagtggc tcgacgggta cctctcccg ttttgcgtgc 600

gctgcagccg	cgaagaagaa	gccgccgccg	cctccccccg	ctcgcgcggg	ttcctcgaat	660
ggagccctgt	atgtcactgc	cctctatgac	tttgcggggtc	agagtgcggg	tgacctggcc	720
ttccgcgaag	gtgatcgaat	ccgagtcctg	cagaagacgg	atagcaccga	tgactgggtg	780
gagggggagc	tgcggtgggg	caaggggagt	tttccagcca	actatgttca	ataa	834

<210> 11197

<211> 276

<212> DNA

<213> A.fumigatus

<400> 11197

tcccccttcta	caatgccctc	ttatattatat	cactctcaag	tgtctgggtc	cgtcacgcgt	60
aatgccctatt	tccccactac	caacctcggt	gccagtcctg	tacagctgta	ctctatacac	120
ttcatttttgc	gactctgtat	acttagtctg	actttctttt	actgtgatct	gcaactaatc	180
catcttttcta	agcgaattgg	aagtttgatc	tgcgcgattg	gaccaagtcg	cagctgccga	240
ttttttctcga	ctgcctatct	gcaagccgaa	atatag			276

<210> 11198

<211> 465

<212> DNA

<213> A.fumigatus

<400> 11198

gccccataca	tacattcaca	tattatggcc	gctcgtcatt	ctcgcaagtt	cttgagacct	60
ctgctctaca	catctgctgc	ggcagcgaca	ggagctgggtg	tgctctacat	ctcatatcgc	120
ccccgcaata	tccctggctc	ggaagcgccc	gccgtaccac	cgcctggcta	ccatgaaggg	180
aagcttgctc	ctcccagctt	ccttgcgata	aaatcgcggc	tagagcagat	tgaagacctc	240
aaacggagtt	cctctggtaa	cgatgatgaa	tacgaccttc	tcgttatcgg	cggtggcgct	300
actggctcgg	gaatagcgct	tgacgcgcga	actcgaggtc	tgaaagtagc	tgttggtggaa	360
agagatgact	ttagcgctgg	cactagcagc	aagagtacaa	aacttgtaca	cggcgggggtt	420
cgatatcttg	aaaaggccgt	gtggggagctg	gattataatc	agtaa		465

<210> 11199

<211> 1185

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1167), (1168), (1169), (1175)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11199

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gctttgtacg	gaagcacagt	cgtcaaccac	atgcagggtta	ctggcttaac	caaagatgaa	120
tcaggaaagt	tgattggggc	ccgcgtgaag	gacttgattc	cgggaaagaa	tggtcaagag	180
gcagaggaat	tcacagtcag	agctaaggga	ataatcaacg	ccactgggtc	attcactgat	240
tcaattcggg	aaatggacga	gcccgatgtt	aaagagattg	tagctcccag	tgctggcggt	300
cacgttatcc	ttccgggtta	ttacagcccc	tcgaaaatgg	gcctcattga	tccgtccact	360
tccgatggac	gcgtcatctt	ctttcttccg	tggcagggca	acactatagc	tggtacaaca	420
gatcagccga	cggagatcac	cacccaacc	gaaccttctg	agaaggacat	caactggatt	480
ctctctgaag	ttcgcggcta	cctggcccca	gatattaatg	tcgaacgaag	tgatgtgctt	540
gctgcttggt	ccggaatccg	cccgcctcgc	cgtgacccta	aagtcaagag	ctccgaagcc	600
ttggtccgca	accatctcat	ctccgtttct	ccatctggat	tgttgacttg	cgttggcggc	660
aaatggacca	cgtaccgtca	aatggccgag	gaagccgtgg	acgaggcgat	caaggtgttc	720
ggcctgaagc	cccggggcgt	ttctcaggtt	ccggacatca	gtgggtgtcg	tggaagtggg	780

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ggagcccatg	gatactccaa	gactctcttt	atcaacctca	ttcagcactt	cggcctggag	900
actgacgtgg	ccaagcacct	gactgaatct	tatggcgacc	gcgcattggc	ggttgcagct	960
ctgtctgctc	ccacagatgc	tcgcttcccc	ctccgaggcc	gacgtatctc	ggctttgtat	1020
ccgttcattg	acggtgaagt	tcgctatgct	gtccgccacg	aatatgctca	aactgcagtt	1080
gatgtcattg	ctgcagaac	ccggttagct	ttcctcaacg	ctgcagcgcc	actggtgttc	1140
acaacgccgt	ggaaggacac	aggctcnnnc	cacngaagg	ggggg		1185

<210> 11200

<211> 414

<212> DNA

<213> A.fumigatus

<400> 11200

aatgaccagc	agagatccgc	aacttggctc	tttcagccac	taacgtcctg	gcttgattgc	60
agatataaac	ttgtgaaaga	ggcattgaga	gagcgcaaat	acttcctaaa	tacagcgccc	120
catctctcca	gttggtctcc	tatcatgggt	ccagtgcaga	aatgggtggc	agcgccctac	180
ttctggggccg	gtacaaaggc	ctatgactgg	ttggctggct	ctgaagggat	agagagctca	240
tattttctca	ccaagagcaa	agccattgat	gcgttcccca	tggtgagaag	agacaacctc	300
atcgggtgcga	tggtctacta	tggtatgtgt	caaccacgc	cacatctgat	gcttgcgttt	360
ggcgagctac	atgctaattgt	cctgcagatg	gagcgcacaa	tgattctcgg	atga	414

<210> 11201

<211> 408

<212> DNA

<213> A.fumigatus

<400> 11201

gaagccaact	ggagagatgg	ggcgctgtat	ttaggaagta	tttgcgctct	ctcaatgcct	60
ctttcacaag	tttatatctg	caatcaagcc	aggacgttag	tggtgaaag	agccaagttg	120
cggatctctg	ctggtcattt	tatgggtgca	ctgagggcgt	ccttactgat	tataatccag	180
ctcccacacg	gccttttcaa	gatatcgaac	cccgcctgtg	acaagttttg	tactcttgct	240
gctagtgcc	gcgctaaagt	catctctttc	cacaacagct	actttcagac	ctcgagttgc	300
ggcgtcaagc	gctattcccg	agccagtagc	gccaccgccg	ataacgagaa	ggtcgtattc	360
atcatcgтта	ccagaggaac	tccgtttgag	gtcttcaatc	tgctctag		408

<210> 11202

<211> 183

<212> DNA

<213> A.fumigatus

<400> 11202

aataccttgt	ccatgacatt	ctctagcgat	gcaggacagt	cgatggcaaa	gcagacgaac	60
aaaagatctg	tttcgggata	tgagagtggc	cgcagtctgt	cgtactcttc	ctgtccagca	120
gtatcccaga	gagccagttc	gactgtcttt	cgggaagctc	gatgggtggg	ttgcgtgata	180
taa						183

<210> 11203

<211> 609

<212> DNA

<213> A.fumigatus

<400> 11203

atttctccct	ttctggatcc	gccgggtacc	tcgtggcaga	tttattctcc	tagattcatg	60
gacatgtcag	gacacatgta	tgaagatagt	ggctacgcag	cctctcgacg	ccgttcgatt	120
gcaactccac	caccctccat	gactccaaga	cacaatcgga	cccgtagtca	gagtgtgagg	180

gtgagtaacg	gaactgtcag	cacaaatacc	agtgtctcaa	gtggaaggat	gtcggagacc	240
acaaacatca	ctcaaccgcc	agcgtattca	aaaaagtttg	tgggtggtggg	agatggtggc	300
tgtggtgaaga	catgccttct	tatcagttat	tcgcaagggt	atttccccga	ggtaagtgtt	360
ttatccttga	acgtcggatt	cgatgagact	catccctcac	tccttgaatt	tccgcctttc	420
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gaaagacagt	cgaactggct	ctctgggata	ctgctggaca	ggaagagtac	gacagactgc	540
ggccactctc	atatcccgaa	acagatcttt	tgttcgtctg	ctttgccatc	gactgtcctg	600
catcgctag						609

<210> 11204

<211> 342

<212> DNA

<213> A.fumigatus

<400> 11204

atttccgcct	ttcagaaata	tgttcctacc	gtgtttgaga	attatatcac	gcaaaccacc	60
catcgagctt	ccggaaagac	agtcgaactg	gctctctggg	atactgctgg	acaggaagag	120
tacgacagac	tgccggccact	ctcatatccc	gaaacagatc	ttttgttcgt	ctgctttgcc	180
atcgactgtc	ctgcatcgct	agagaatgtc	atggacaagg	tattttactc	gcctcttgtc	240
ttcccacaac	atctgaccaa	catgaacagt	ggtatcccga	agtactgcat	ttctgtccca	300
ccgtcttcac	cacggggctg	gaaggacgaa	caggggttct	ag		342

<210> 11205

<211> 330

<212> DNA

<213> A.fumigatus

<400> 11205

tcctgttcaa	taatggagcc	cagacaaata	ccctctgtgt	ttccttcttc	cttttcttct	60
ttctcttctg	ctcttggtct	tttcattctc	ttccttactc	tttcgtctac	ggttcgagcg	120
acagcgtctt	cggtctggctg	tattgtactg	ccgtcgaata	gctctgcgga	tctgtcgttc	180
accaaccaaa	agaggttcca	tctgcagagc	gatcaatata	ctgttccgtc	ggacgccatt	240
gtcgtcctct	tgacccaaca	tctggtcaat	ttaaaccgta	ctgaccttca	ggtgggtcat	300
gtcttcagac	agagattcga	agtcagatga				330

<210> 11206

<211> 456

<212> DNA

<213> A.fumigatus

<400> 11206

tatcacaaga	ggttcaatgt	cactgggaat	ccggttgatg	ctgccgcata	caattcgctc	60
agttttgagta	caggcgatat	tgcttttgtc	agctgtgaca	cgtctctgta	ccctggcaat	120
ttggatgcca	gtgcaacggt	atcgaatctt	cttacagcgc	aagagaaggc	atccgcgggt	180
cttctgtaca	gcatttctgc	ttccatttgc	aactatactg	tgaccaacga	cgctgctgcc	240
caatatacca	acgttttcac	cctgttgaac	ccagcctttg	ccgagtcgct	tagggttcaa	300
ctcagtaggc	agaacggaaa	cggctctctc	agcattgtct	acaacatgtc	cttcgtgggg	360
acagtcaccc	cgtcgaccca	ggatgggtca	acggacagcc	ccaacaccgg	tgcgtttgtc	420
tccctcctcg	aagctcgtct	cctcctaacc	aattga			456

<210> 11207

<211> 2856

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (2743)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11207

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cttcagaaac	gggaccattt	cgcgcaagcg	gcttcgcaga	ataaacaaca	aagccagttg	180
cctcacaatg	tggccaataa	caatgttccg	caaatgggca	gtaccacagaa	gccgccaatc	240
ttgcccgcga	ctaccgttga	tttgacatcg	gcgcgctccg	caaccacttt	ccctgaaggc	300
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tcgtcgacgt	cgatgtcgct	cggccgaccg	ctcaactacc	aaccgctgat	tgctcagcat	420
ggtgtgggga	caccgactc	gactacatcg	aggtctaaca	gtctgagcaa	tcatagcatt	480
aattctcctc	ctgggtcaagc	aaatgctccc	ttcagccctc	cagacctgca	aaagccagcg	540
tatgtgccgc	tcaccggccg	ccactccata	tatccgtcgg	gcagccccag	tgatcagaca	600
tatcaactga	ccggactgaa	tcccatttct	aggacaagac	ctcaagacgc	tacagcatac	660
tccatgtcag	ccgatgtcaa	cggctcttcg	gtagttcagt	cgctgccgta	tggctctccc	720
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ggcggcgaaa	catacaacaa	ccgctccccc	tttgcgatgg	ccgatgattt	caccgcgtgg	960
ctgttcaatg	aacctcttcc	gggatcgctg	tccctgacct	atcctcccac	ggcctccatg	1020
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cgcgacatgg	aagcctttct	ccgccgggtc	ggcggggtgc	ganagcccca	cgagctggcg	2760
acgatgaaag	gtcgcaacca	gtgcctcggc	ctgttgatga	ttctgcgaga	tggcttcgcc	2820
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<210> 11208

<211> 348

<212> DNA

<213> *A.fumigatus*

<400> 11208

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gatatgacat	ttgctgttgg	gacggtaacc	gggtccgac	agcaactcga	ctacaagcga	120
aaggaaccgg	gcgataagga	agagaccatg	gagaccgacg	ccttgcgagc	ggacggcgcg	180
ccgcgcaaac	gcaagagggc	ccgcaagggtg	aactcggatc	ggaagtttga	atgtacacat	240
gagggctgcg	gcaagagtta	ttcgcggtg	gagcatctct	atcgccacca	actgaaccgt	300
atgtcggacg	tcttccaacc	acaagcccgt	ttcgggtgat	gccaatga		348

<210> 11209

<211> 1212

<212> DNA

<213> *A.fumigatus*

<400> 11209

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gtcagcatgt	ttaccatgac	tggaagcaaa	gatcactcgg	ttcgcaagag	gatgttatcc	120
aacatctaca	gcaagtcgtt	tctgcagtcg	tcacctcata	tgcgctttat	ctcgaggact	180
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gtcacaaatg	gcaccaatth	cctccaggac	gcgccctata	ggcaaaggat	gctccattta	360
taccagagca	ggaagccatt	tgagttctat	caccaggaag	ttcctaattc	cctttcttgg	420
acaaagtctt	tgggtatccg	cttgatacca	agatattgcg	atcaggccaa	cgagatcctt	480
gactcttggg	ggctgggact	gtgtgataaa	gcagaggagt	cgctaaagtc	aaacagactt	540
gaggatgagc	cgccgtctta	taaacacctt	aagcagatga	tatcaaagca	cctgcccga	600
aacaagaatg	acgtggaata	cgcacggatc	ctcgagcagc	agcggttga	tattgcctgc	660
gagatgtacg	accacctgac	ggcgggtcat	gaaaccagcg	ccgtcgctct	tacatatctc	720
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tcgattgact	ccttgccgct	gcttgaagca	atagtcacgg	agacactgcg	cctccatgct	900
ccaattccag	gaatccagcc	tcgagtcacg	ccgtatccgt	cctgcacttt	ggcgggatac	960
aacaacatcc	gtcctaagac	taggggtcaat	gcgcaagcct	attcccttca	ccgcaatccc	1020
gaggtgttcc	cagatcctga	gacttgggaa	cctaagcggg	ggctgaaaga	cgtcaataact	1080
ccttctgagt	tgggaagagag	aaggcgctgg	ttctgggctt	ttgggagtgg	gggaagaatg	1140
tgtgtaggca	gtaacttggc	cttgcaagggt	aaggggagcat	ttaggtcaca	ccaaagcctc	1200
aaactgacgt	ga					1212

<210> 11210

<211> 198

<212> DNA

<213> *A.fumigatus*

<400> 11210

ggtaatggtc	gtcgtcgaaa	cgcctttcgt	cgatgggcgc	atgatttttt	tgcccctatt	60
cttaccaag	gcggcatggc	tgcggtatccg	ttttctcgcc	gcatcattgt	gactgagatc	120
gttgtgatta	tcaatgaact	cgaatggcat	ttcgaaacgt	tgcggtacac	cagcaatgac	180
agtgtgatgc	ctaagtag					198

<210> 11211

<211> 192

<212> DNA

<213> *A.fumigatus*

<400> 11211

tgttttaggtc	ttctagttga	gacgaaatcc	gcttggcagg	ccgtcatccg	ctttcaaggt	60
gggttaggtg	tgtgcttgag	tgatgtaacc	ctcaatgagc	tatctttgcc	taaacttagc	120
gatttcgacg	aatctaattt	gaccgacgct	tacaacgcag	ctctgaccca	gaagaagtct	180
aaatattgct	ga					192

<210> 11212

<211> 183

<212> DNA

<213> A.fumigatus

<400> 11212

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ctattcggtc	gcaccatgca	cctgaaatgg	tttagcagct	tttcttctat	cgccccctctc	120
tccgggtccag	ccgatggaat	aggtacaacc	ccatatgaga	tagtaactat	aaaagggcta	180
tga						183

<210> 11213

<211> 1086

<212> DNA

<213> A.fumigatus

<400> 11213

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ggaaatcgtc	ttgcgcttac	acatttgcca	gccatggtgg	ccacctacaa	ccaagggacc	120
cgagccagtg	agcttgtgcg	ccagtagccc	ccccaaatcg	ctggaaagat	tattctcatt	180
acgggtgtct	ctcccggaa	cctgggcgaa	agctttgtaa	agcaagtcgc	cgtggcacag	240
cctgctatgt	tcattcctcg	tagccgctcg	atctccaagg	tgcaaaaact	catcgacgag	300
ctagccacag	catacccaag	cgtcaaggct	aagccactct	acctcaatct	cctctcgttt	360
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gaaagccaat	tccaaacaaa	ccacctcagc	cacttccttt	tgaccaatct	cctcatggga	540
aagatcctgg	cctcgaagac	ccgcgcgatt	gtggttgtct	ctagcagcgt	gcaccgtatt	600
ggccacatcc	actggtccga	tccgaacttc	aacgggggca	aacactacca	gcggtggcta	660
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gcacatggga	gggaagattt	ggccgcgttc	tccgcggacc	tcactgatat	ggataatatc	840
tatggcaaca	agtggttgtg	gggcatggcc	gagataaaga	tcaaagactt	ggatcaggga	900
gctgccacac	atgtttttgc	tgcgtttgac	accagttatg	cgaaccagaa	tggggccttc	960
ctaagcgatt	gccatgccgc	agatcctgat	atggaagaag	tgcattcgtg	ggcaacaagc	1020
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tattag						1086

<210> 11214

<211> 780

<212> DNA

<213> A.fumigatus

<400> 11214

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tcaggccaac	tgggcattgg	acatgatgaa	gatgtctctg	ttcctacaag	atgcctcttt	120
gaagaaggcc	agacaccttc	tgaagaggaa	aatggcacac	aggcgaagac	tatctcctgt	180
atcgttgcag	gcggaacca	tacctcatc	ttgtatcaag	acggatcggt	atatgccgcc	240
ggctgcaacg	aggatggcag	atgcggacac	caccccgcaa	ctgcacgct	gcagaagtct	300
aggcaggtga	ttgtcaaaag	tagagatggc	acttgctatc	atacgttcaa	gcacttgtct	360
gcgacatggg	aggggacgtt	cctggttggt	ggatctgaag	atccgtcagc	cgaggcggac	420
agtatatattg	taattggttc	aggagcaaa	ggagagctgg	gacttggaca	gggatgcacg	480

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attgccagtg	gcatggggcca	tacggttgtg	gtattgtcca	atggggaggt	ttatgggtgg	600
ggaggagcaa	gaaaggggtca	acttggggaa	tcagccaggg	gaatgaagat	tgtatggtgt	660
cctacaaaag	tgggaaggaat	ttcctttcaa	gccaagggtg	cggtttgtgg	tcgcgagttt	720
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<210> 11215

<211> 438

<212> DNA

<213> A.fumigatus

<400> 11215

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agttggcatg	gtgtctatgt	acatcagaac	gacttctctg	tcacgccttg	gggacggaat	180
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ggtaactgtg	gtcctgatat	cgatgtgcaa	ggcaatgtga	atggaacgta	caagccagtt	360
ccgctagaga	tgcttcaggg	ctctaattgt	gtcggcattg	gtgcagggtg	cgcaacgagc	420
tggattataa	catcatga					438

<210> 11216

<211> 453

<212> DNA

<213> A.fumigatus

<400> 11216

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catcccaagc	acttgctcgt	ctgggagcgt	cttcgcggaa	agggcaagta	ctacgacgcc	180
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gaaaatccct	ccaaatcgga	taacttcgcc	ttgcccctg	ctgcgcagga	aggtgactct	420
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<210> 11217

<211> 1485

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (56)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11217

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gggtggcagga	ttgaaaatga	gcctttttac	atcgtcaaca	actctgcctt	tcgcgccagc	180
tatacgcaga	atggttgcca	attcattgag	cagtactctc	aatccgcccc	ctactcaaag	240
ccggctccga	tgaacttgca	cccaccatcc	gccaccata	tgacacatgg	cagagatttg	300
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cctccgattc	gtaccggcct	acaattgccc	ccgatggaga	gtgccattcc	accgcagtat	420
cgccgccaag	ataggttgat	gcagcccga	caacagcaac	gcaaagagga	gaaggccacc	480
ggaggtgtag	ccgcccattt	ggattatgag	atggaacaga	tgtccgactt	tgtggccgag	540

atggctcagg	gaatgtatgc	tttgtatatc	accaagatca	acatagcaga	tattgacttc	600
gcgcgaagcg	tctaccacgg	aacctcggtc	cctccccagt	ttcggaaata	cgtctaccag	660
atcctttctt	cgaccggtct	tcccagctcc	acgatcctct	tgggtctcta	ctacttggcc	720
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gagtggctct	tgcgttttga	gtggaagctc	catgagcgca	tccatgacaa	gcaggacggc	960
ttcgcacgt	ggctctccca	ctgggagacg	tggcgtgcaa	aggctgttgc	tagagcccag	1020
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tgcgaacctc	cgctctacca	ccatacgccg	tcctacgctg	taccgtttgc	acagagtgtg	1380
tggacaggac	atggttcac	ctgcggatgc	ttgtactgtg	ccaagcatgt	cgaacactac	1440
atgtgtgcaa	atgctttcgg	tcccatgcag	gctatggtcg	cctag		1485

<210> 11218

<211> 231

<212> DNA

<213> A.fumigatus

<400> 11218

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ttcggcgctc	gcgttctctt	cagcatcttc	gccgtgggtta	ttgtctctct	gcgcgtgttc	180
gttatggctg	gttctgttgg	gaaagggtat	tccagaaagg	gtgttactta	t	231

<210> 11219

<211> 810

<212> DNA

<213> A.fumigatus

<400> 11219

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gctatcacag	gctatctctc	tttcggagac	aatgtcgggg	gtaacattgt	gagcatgtat	180
ccgccaggcg	tttgggcgac	cgttggacgt	gccgctatcg	tcatgcttgt	catgttctca	240
tatccgcttc	aatgccaccc	gtgtcgagcc	tctattgatg	cagtgcctcg	ctggagacct	300
aagcctgccc	ctggaaacga	caacttgcc	caccatcacc	ctctgcttgg	gccaaggggc	360
caccgggctc	ccgagcccat	gagcgatctg	cggttctcac	tcattacgac	gaccattctt	420
atcctaagct	atctcgtggc	gatgaccgtt	tcctcgctcg	aagcgggtatt	ggcctacgtt	480
ggtagcaccg	gaagtaccag	catcagcttc	attcttctctg	gtcttttcta	ctacaaaatc	540
tcctctcccg	actaccaac	ccatcagcga	ctcatgaaag	aagatgacga	agcagttgac	600
aacattcttt	ctgatgacga	caactccgac	gaaaatggta	ttgaggcgcg	ccagaacctt	660
ccacttaccg	acagcgcaat	tctccgactt	accaaccgac	actggcgccg	tggcttgctg	720
cgggaagttga	gcttagcgct	cgtgggtatac	ggcatccttg	tcatgatcgt	gtgtttgatt	780
gtgaatacat	tcttcatagc	ttcacaatga				810

<210> 11220

<211> 327

<212> DNA

<213> A.fumigatus

<400> 11220

gatggacctg	tgctgaccac	tcctccaagg	gtaatgggtca	tcctctctct	ttatctccga	60
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cgtctggact cactgaagta tacgagtatc gccgctctgg tgtcaatggg ttacctggtc 120
atactgggtg tctatcattt tgtcaaggga gacacaatgg acgaacgagg ccccggttcgt 180
ctgattcact gggctgggtc cgtcccggcg ctcagtagtc ttccgggtcat cgtctttgca 240
ttcacgtgtc atcagaatgt aggccgcctg cacgggtttg actgcagaca tagcatgctg 300
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<210> 11221

<211> 471

<212> DNA

<213> *A.fumigatus*

<400> 11221

```

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aacagtcattc ggtgccggcg ttctggcgat gccgctcgcc atctctcgca tgggaatggc 120
cctcgggtatc tgcgtcattc tctgggtctgg aatgaccgct gggtcgggcc tctaccttta 180
ggctcgatgg cgcacagtac cctggatcga ggcagcttgg ttttttttcg cccttacgaa 240
gctcacatat cccaatgccg gccgttgttt ttgaacgggtg gtatcgcgat caaatgtttt 300
ggagtggggg tcagttacct catcatcctt ggtgacctga tgccagatgt ggaacaaggc 360
ttggattggt accactcccg gcagatgact tgttggagga ccggcatttg tgggttactg 420
ccctcatggt cgttgtatag ccactcccaa gttgagatgg acctgtgctg a 471

```

<210> 11222

<211> 189

<212> DNA

<213> *A.fumigatus*

<400> 11222

```

aagaataatt attactatat atctaggact tgctttcagt tccttatatt taataataat 60
tatttactta agtataagtt tactagtcta atttatctat tactctctac tattaagtat 120
atatacttaa taaaccttac ttctatctct attattatta ttcttatatt acctttagac 180
tatecttaa 189

```

<210> 11223

<211> 1407

<212> DNA

<213> *A.fumigatus*

<400> 11223

```

acttttaacg acgacgatct tacaagaacg cattcagcct tcctctgggc attccgtgca 60
agtcgaaact ggaaactcgt gaaggatggt gttcccttct tgagaagtcg aatcgagtcc 120
gagaaagctg cggaacagca gttcagcccg caaggtggag cgaccgacgg agacacggag 180
atgcaaggcg attttgacgg cttcttcaaa caacacttct gtgtatccgc tcaggacctg 240
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actacgacac cagtctcgcg cttttctcga gcgatgggat actcgcggct cagtgccaat 360
aaggggccgaa tgatgtatac tgtccggcaa ttgagtatgc tcgatgctgc ccgcctatca 420
gcttctgggc ttcgatttac atcaattgag aacgtcatcc ccgtgctatc tcgccgtgtc 480
catataccgt ccatgacttt ggccgctcat ctcagggata tgcgagacta ttccatctcc 540
ggtcgaaatt ttgaaccagg agttcatttg gtctcgtttg ttatgctgac caccgtgcat 600
gacaattttg aagtgtcac tgccaaaggc gtcagcaacc cgttaccgtc cgcatactg 660
ccactgaaac gtctccagat tgctcatctg gaatcgttgt cacatatgga aggggtggacc 720
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cattccgacg gaaacaattg tatcattctt ccattctgcy ttgtcggcac gctggacacc 960
caaatctcca acctgactt taccttcacg cctctgcgtc ttttcaaagc gcagcagcaa 1020
gtgaacgatg gtttcacggg aggcgatgga ttcgcaaaag agctgagtca agagctctat 1080

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tattccaacg	cccgtccag	ttcaaccacc	gaccccgaaa	ttgcaccctc	tgttcgtgct	1140
cttcgtcgct	tctggccgtc	ccgcaaacag	cccagcgata	aaatgagcgc	aacgtcccag	1200
gaaactctta	tggagcattc	gccgttcgga	gaaaatactg	tccgcaaggg	aagtgaaagt	1260
ggacatcaca	aattcacaga	attgtcaacc	gagccccgcc	ctgggtcagc	atgcctcaca	1320
gattaccata	atggccggcg	actcggcctc	tcggcacata	tgtggacgag	ctttaccatc	1380
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<210> 11224

<211> 657

<212> DNA

<213> A.fumigatus

<400> 11224

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tcggatactc	ggtctttaaa	cacctcgcca	ccttcctacg	ctggcacgaa	gcgctccgct	180
gatgaaagtg	aggatgaaga	cgctcgcccc	gctgttcgcc	gcaagaaagt	cagagttggg	240
gcatcagaga	gcaaattgac	catgaagtta	cgcagtcggt	cttcctcgcg	ggccttgtct	300
cctcttgtgc	gcacagaccg	ctccgcccag	gaggctgctc	atgaggatcc	tcgcccctgcc	360
cttggagcaa	agcgccccgc	tgatgaggct	gcgaataagg	attctcactc	tatccttggg	420
tcgaagcgct	ccgctgacga	cagcgaagac	gaagatcctc	gcccggtgtg	tcgccgcaag	480
aaagtccgac	ttggggcatc	ggagaacaaa	ttgacgatga	agctccgcag	ccggctcctc	540
tcgcgagcct	tgtctccttc	acctgctagc	atgaagcgct	ccgctgatgg	aactgtggag	600
gaggacccgc	gccttaccct	tcgaaggcgg	agacttcgca	atcgcattag	cacctaa	657

<210> 11225

<211> 204

<212> DNA

<213> A.fumigatus

<400> 11225

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ccctcgggat	ctgggtatac	cagcaaagta	cgggtccgtg	acaagtatca	catcgtcggc	120
ttcatcagca	gtggtactta	tggtcgctgc	tacaaagcca	tcggaaaaga	tggccggaaa	180
ggcgaatatg	cgatcaagaa	gtga				204

<210> 11226

<211> 1269

<212> DNA

<213> A.fumigatus

<400> 11226

actccaagag	accctcgga	tctgggtata	ccagcaaagt	acgggtccgt	gacaagtatc	60
acatcgctcg	cttcacacgc	agtggtaact	atggctcgct	ctacaaagcc	atcggaagag	120
atggccggaa	aggcgaatat	gcgatcaaga	agtgagtcga	attccccct	ttattttttt	180
cctatagtgg	ctgaccaa	aagattcaag	cccagacaag	agggtgaaat	catccagtac	240
acaggtctct	cgcaatcggc	aatccgggag	atggctttgt	gctctgaatt	agatcacccc	300
aacgtagtgc	aactggcaga	gatcatcctg	gaagacaaat	gtatcttcat	ggtattcgag	360
tacactgagc	atgatctgct	tcagatcata	catcaccaca	ctcagccgca	aagacatgcc	420
attccggcac	cgatgatcaa	gtcgatactg	tttcagctgc	tgaatggcct	cctatacctt	480
cacacgaatt	gggtgttgca	tcgagatttg	aagccggcaa	acattctagt	gacttcgagc	540
ggtgcgggtg	gcattggaga	cctgggcctt	gcgcgtctat	tttacaagcc	gctcaactct	600
ctttattccg	gagacaaggt	tgtcgtcacg	atctggtatc	gtgctcctga	gctattaatg	660
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gaaacatggc	ccggtctcgt	atcgatgcct	gaattttccc	aactccagtc	gttagcaatg	900
tgcacaggat	acatcaacag	acagtgcgat	ctggaaggat	ggtaccaaag	ttgtctgaag	960
aataatgggt	attccccagg	gtctgcggca	ggcacgccac	gcgccgaaag	gttcgactta	1020
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cacccgtatt	tcaccacagg	tacaccagtc	acggctaatt	gtttcgcggg	ctacgagggc	1140
aaatatcccc	atcgccgagt	cactcaggat	gacaacgaca	ttcgctccgg	cagtttacct	1200
ggcaccaagc	ggagcgggct	gccagacgat	agcctcatgg	gtagggctgc	aaagcggctt	1260
aaagagtga						1269

<210> 11227

<211> 948

<212> DNA

<213> A.fumigatus

<400> 11227

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gaatcaaadc	tgtggttgaa	gcgatatgca	ggaactccag	ggttccttcc	agcagtctac	180
aaggatggcg	gtctgtcaaa	agtctccgaa	gaggagcgca	caggcgacga	ccctttgaat	240
gcgtcttcta	atcaattggc	caacaccaag	aaacgtaagg	ccgatgagga	tgacacgaca	300
gaggcaaaag	agacagtcga	actagctgca	aagcggacaa	aatcagaagt	cgatggcgaa	360
caaagcttta	cagaatcaaa	atcagagact	acccaggccg	aaccgcgcaa	acccaagcac	420
gaatccctac	ctaaccaccc	cccatccgga	acattctccc	ttttcctcaa	agaagacttc	480
cgcgagcact	tctgccgtcg	cccagaatgt	taccccaacc	tagccaaata	ccctcaactc	540
cgtgaagagg	aggaaacata	tgagccccct	ctctcggagg	atggcgatgc	caacggcgga	600
ggcagcaccg	gaacgggcag	catctacgag	cgcggcgagg	cagcccttag	taacatcgac	660
cgtgtccggg	ctatcgaggg	tgcaatggtg	tacaaccacc	tccgtgataa	agtgaaggag	720
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tttgagaaat	tgctgtgcga	tgagaagccg	atcaaggatg	ctgctgctgg	tcaggccctcc	840
gcttcttccg	ggaatggagg	caatgagaag	gacgaggagg	gagatggctg	gaaagaacaa	900
agtggatatg	tacgcttgag	aatatatgtt	gcctcaggcc	ttttctga		948

<210> 11228

<211> 1113

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (87), (121), (159), (195)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11228

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ntcacggcca	agccggatat	tggttacaac	aacggaggnt	accacaacga	gacattcgtg	180
gatgcctttg	tcaantacgc	caaaatcgct	ctcactcact	ttgcccagcg	agtgcgcgatc	240
tgggtcacct	tcaacgaacc	ccttctctac	tctgtcaatt	tcaagggcgc	cgacaacgtc	300
gttcgcgcgc	acgcacaggt	gtaccacttc	taccacgacg	tcctaaacgc	gaccggcaga	360
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gaactcttcc	cgtactgcgt	ggtccaggaa	acgaagaata	gatatggctg	gaatctcggc	720
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ctttcgttca	tgtcggagat	cctgaaggcg	atccacgaag	acggggtgcg	cgtcatgggg	960
gcgttggcgt	ggtcctgggc	ggataattgg	gagtttgggg	actatgaaca	gcagtttggg	1020
ttgcaggtgg	tcaatcggac	gacgcaggag	cggattata	agaagagcct	ctttgatttg	1080
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<210> 11229

<211> 621

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (362), (384), (444), (549)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11229

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tatgcgcattg	ccgtgaaaca	tctcagcccc	gttcccgcga	cgacaacatg	gggcaattgg	180
cttccttattc	agaccgtcat	cacggccact	gataccactg	acccctatgg	gcaagccgcc	240
tggtcgatgc	tgtggcagca	ggccggcacc	gagaactaca	cgacgaccgg	tttgtactcg	300
acgactgtca	gtccgacagc	ggtgcgcagc	agttcactgg	tacctgccgc	cgtgactac	360
tntggcccaa	cggactgcta	tagncttcac	gccgacttcg	tcttcggagt	ggcaggtagt	420
gcggcacaag	tcgaggggagc	agtnccgttg	gagggccgca	gtccgacgat	cctggagaaa	480
ctagccaacg	cgactcagcc	aaaggactac	gtcacgaatg	agaactacta	cttgtacaag	540
caggacatnc	aacgtctggc	aaccattgga	gtcaatacta	caagtttctc	caattccggg	600
gacgcgcatt	ctttcctttg	a				621

<210> 11230

<211> 243

<212> DNA

<213> A.fumigatus

<400> 11230

gtcgtcttggc	aatcaaccgc	acgagacgcc	tgggtgcctgg	accctctggc	cctcaaaaa	60
aactccattg	cctctttctg	tggcatcccc	cgtaggtcga	atcgagttc	gcaacaaagg	120
gacaaaatgg	tgagcggacc	ccggccatat	tcccacctga	acatcaacaa	tgtgtcaatg	180
aacagtgtgg	ccaccaaaag	acacatcgat	aatcaagagc	tggagatcgg	taggtccctg	240
tga						243

<210> 11231

<211> 207

<212> DNA

<213> A.fumigatus

<400> 11231

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atcaaacaca	cagagttcga	tgatgtcac	ggtgcctttg	tcggttggga	cacgcattggc	120
gacagcaaga	agcgggttct	ggagagtgcg	aagatctacg	ttcgggcaat	gggttatctg	180
gaccacgcca	tacaccaaga	acagtag				207

<210> 11232

<211> 630

<212> DNA

<213> A.fumigatus

<400> 11232

agccaatcct	ggacaaccct	ccgcactcta	caatcagcaa	accaatacca	caacgacttc	60
gcccccgatc	cggattaccc	agactcgcctg	atcaccatcc	acaccagccc	caaagtcggc	120
atcgggccagc	gcgcctttct	ctgcgcgaca	gcctacggca	acgtcctctg	ggactgcctt	180
tcctacatcg	acgaggacac	aattcgccag	atcaacgagc	taggcggcct	cgccgcgac	240
gtcatctcgc	atccgcactt	cttcggcgcg	aatgtgcact	gggcggagg	gttcggatgt	300
cctgtttaca	tcgctgcgga	ggatgaggag	tgggtgatgc	gcaagtccga	gaggcagggtg	360
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gatcgactgc	cggttacggc	gtcgtatcag	ttcatgtggt	cgtatcccaa	tatgggttgt	600
ggttcttgc	tggtctactg	cataggctga				630

<210> 11233

<211> 627

<212> DNA

<213> A.fumigatus

<400> 11233

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atggaagtcg	ttaagattcg	tttacaagca	cagcatcaca	gtctggcgga	ccctctggat	120
acccccaa	accgcagcgc	gccccacgca	ctgttcaccg	tgatccggga	agaaggattt	180
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aacttcaccg	catacaccca	gctgaaggct	ttccttcaaa	gagtcacagc	cgagtacagc	300
aactcgcagc	ttccctcata	tcagacaacg	gtcatcggat	tgatctccgg	tgctgtcggg	360
cccttctcaa	acgcccccat	tgacaccatc	aagaccagac	tacagaagac	acgcgctgaa	420
cctggtcagt	ccgccatcaa	ccgaatcatg	gtcattgcca	aggacatgtt	caagcaggag	480
gggtgcgcgc	ctttctacaa	gggtatcact	cctcgtgtga	tgagagttgc	tcctggtcag	540
gctgtgactt	tcacgggtata	cgagttcctc	aagggcaaac	ttgaagagtc	aaactgggcc	600
ttcgtgggtg	gcaaatatga	ggaataa				627

<210> 11234

<211> 315

<212> DNA

<213> A.fumigatus

<400> 11234

tcacgtttca	taaccagtc	attcgccatg	gccgccaaat	ctgtggagg	aaacaagggc	60
aaaaagcccg	cttcgcgagc	tgtgaacttg	atcggtatga	tgacgctttt	gtggtgcatg	120
gatacttcgt	tggcgggtgat	gctaacatgt	gacacagctg	gtggtgggtg	cggtatgatg	180
gaggtctctg	tctgccatcc	ccttggttaag	gctataattc	aacgatatcg	ggttctgaaa	240
gccgagctaa	caatctccca	cataccatca	aagtcagaat	gcagctctcg	cgacgggcta	300
aggccccctg	ggtaa					315

<210> 11235

<211> 207

<212> DNA

<213> A.fumigatus

<400> 11235

gtaaaacctc	gtgggtttat	caccaccggg	gtcgacatcg	tgaagaaaga	aactgccctg	60
ggattgtaca	agggctctgg	agctgttcta	ggcggtatca	tcccgaataa	ggctattcgt	120
ttcacctcct	atgagtggta	caagcagatg	cttgcggtata	aggagactgg	tacagttacc	180
agcaaggcca	ccttcctcgg	tacgtga				207

<210> 11236
 <211> 447
 <212> DNA
 <213> A.fumigatus

<400> 11236
 agaaatacgc tgacttgtct cctcccagtc tgcgtccgagc tgcattgatgc attcaacaac 60
 ttctcctcgg actcctccat cttctgtctc cctgtaacca tcacagcaga gagcctgacc 120
 cccctctccc ctatccgatt ctctccccc ggcgcatctt acccctccct ctcgcaactc 180
 tcgtcgggtgc tacagccgaa aactcccctc tatctgctct tccgtcgccc cgaatcgggt 240
 tcctcgtccc tctgcgcatt gacatacatt ccattcgaatg cccccgtccg cgccaagacg 300
 cttttcgcct cgactcgtgc cagcgtggtg cgagaactag gcagcgagaa atttgcgact 360
 accatctttg cgacagagga ggaagaaatc accagcgagg aggcgtggcg cgagagagat 420
 gcggagaaca aagggtctgg tagctag 447

<210> 11237
 <211> 324
 <212> DNA
 <213> A.fumigatus

<400> 11237
 tgcaggcata ggtattgtaa cagcaaaaaa aaaacagagc ccaatgtgca aaaatggggg 60
 gatcctgaag aggccctacg ccaggcgtcg aacaacgacc tgtatcggtt cttgggctgg 120
 tccctcaaac tcaagcgagg aaagaacggt cgacgtaaca agggcattca caagtctagc 180
 tcgttgaata cggactggaa gaaccttcgt ggttactacc aaaaactgac caagagcaaa 240
 atcgacgata tagatgggtc ggaggtccgg agggtcagta gcatgaatca ttattctttc 300
 gatttgtttg accgtcttgt ctaa 324

<210> 11238
 <211> 327
 <212> DNA
 <213> A.fumigatus

<400> 11238
 ggtatcaagt acttgggtgg agagcatggg ttagatacgc aaccgaaaaa gaagacgcca 60
 gtctacattg aagatatcgg cccgttgaac gaaacgattc tctcgactca gctaaagaag 120
 ttctaccttg gcttgcagcg tatccaagtg tgctgttca actcgtggc tctgttctact 180
 gtacaccgca ggagcgccct attgagtctc cagttcaaag acctacaaat ctcgctgcag 240
 aaggatcctc gcggcgagac tcttatccct ttggttgaac tgacggccga tggatgtaaa 300
 aagttcctcg ggcagactaa attgtaa 327

<210> 11239
 <211> 372
 <212> DNA
 <213> A.fumigatus

<400> 11239
 agaagaacag gcagagaaag tcgagagttt cctacgggag aacacatctt tgtctggagc 60
 atcgctggag aatgcgggtg tcgacgtcct ttggcgacat cggaatcgca cattaccgga 120
 ctcttctcct cccctcctc gtcatacggg gattcgccgg acctcgccag caccatggca 180
 gatggcacgc tcctctacac ctttatcccc tcctccaac ctcggcacaa gccctggcgg 240
 ctcatcttgg ttccaaagct cccgaggctt ccctcgcgca cctctttcat cgaccgtatc 300
 accattcacc tccccgcgac catccccaag attagctctt gcgcaacctt tccccattc 360
 gccgaacctt aa 372

<210> 11240
 <211> 897
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (645),(667),(672)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11240
 ttcataagctt catcgaagcc tctactcagg atgatatcag acgacctcct tgacagttgt 60
 ctccagattc ttcaggacaa agctctcgat gaagaagaac aggcagagaa agtcgagagt 120
 ttcctacggg agaacacatc tttgtctgga gcatcgctgg agaatgcggg gctcgacgtc 180
 ctttggcgac atcggaatcg cacattaccc gactcttctc ctccccctcc tcgtcatacg 240
 gtgattcgcc ggacctcgcc agcaccatgg cagatggcac gctcctctac acctttatcc 300
 cctccctcca acctcggcac aagccctggc ggctcatctt ggttccaaag ctcccagggc 360
 ttccctcgcg cactcttttc atcgaccgta tcaccattca cctccccgcg accatcccca 420
 agattagctc ttgcgcaacc tatcccccat tcgccgaacc ttaacgctta cgaattctcg 480
 gaccagagtc aagtatcgga cttttacagt gactttggca acgatagtaa tgtggattgg 540
 cttgttgagc acgatgcgca gagcaaccac tcctctgtgg ggacaatgag cgcctccggt 600
 gccctcagcg ccactgcccc cggattcggt cccgatatga gccncacga tattttgagc 660
 actgtgntcg gnagacatag attcaatgaa gagatcgagg ctgcattgga agcaaattggc 720
 tatgatctcg gcgcgactat tgcattcttc tcgcaggatc agagtggagg cagcttcagt 780
 caagtcgatg atggctcgtg cctcgtcgca caaattatga ccattgagca accgagatta 840
 agcacgtcac cggattacaa ccgaagccct gttgtttgta aatattggct ggctact 897

<210> 11241
 <211> 219
 <212> DNA
 <213> A.fumigatus

<400> 11241
 ggcgctgaag gcctcaagct actggctccc aacaaggaat ctaggcattt ctactatgct 60
 atgtacataa atcctgctgt gacgaggagg ttgccttttc tttcttacga aaaaaaaaaa 120
 aaaaaaaaaa gtgatttatt tctctcattc tttcctaata tttacaagat ccccccccaa 180
 agggtcgaga cactacggag taaattcaag gctattttaa 219

<210> 11242
 <211> 477
 <212> DNA
 <213> A.fumigatus

<400> 11242
 aagatgcccc cagactatac gtccactgag cgggctcttt cgcttccaat gtcgctgca 60
 gaatccctgt cgcccgagaa agaagataca cgaccattat ggagccatct ggcctccagc 120
 aggcgcaata ctgccagtc ttctgtccgg gaatcaactg gtctccgtga tcaagttgtc 180
 aatcaagcca cgaagatgct gcgacgaacc aaaaagacat ggcgagagact aacatttttg 240
 cagagaattg gggctattgg agcagcggtt cttgccatct tgctgggatt gtctttcatg 300
 atcttcacgg gacaagtgtt cttctggctg gggcctgtag ctgaaaaatg ggaacagtca 360
 tggttggcat ttttcgtcct gtggctgtgt gttttctttg tttctttccc accattggta 420
 gggttggtcca cgtttggaac gatatctggt ttcattttat gcatatggaa agggtag 477

<210> 11243
 <211> 483
 <212> DNA

<213> *A.fumigatus*

<400> 11243

tttatttttc	tatttttattt	gattcgattgc	tctgaacctta	gattctaacac	atatcttagc	60
tggatcctct	atgccactgc	aaccgtgctc	ggatccacgt	gttcattcat	cgtgtcgcgg	120
acaatcctgt	cgaaatttgt	gaaccgcatg	atggaacggg	acaaacgatt	tgctgctctc	180
gcgttgacac	tcaagtacga	cggacttaaa	ctcttggtgca	tgattcgccct	atgtccccta	240
ccttactctg	tttgcaatgg	tgcctgtctg	acctttccta	cagtgcaccc	tttgatgtat	300
gggctggcaa	ctgctctcat	cacacccaag	ttgcttggtcc	cagctttcat	tggaagtaga	360
attcggattc	tttccgagaa	aaatgaggat	atgagctcgg	cgtccaaggc	tgtgaatatc	420
tgtagtatta	tccttacaat	tggaattggt	gtctttacag	gctggtatat	atacaagagg	480
taa						483

<210> 11244

<211> 426

<212> DNA

<213> *A.fumigatus*

<400> 11244

gtctccctgg	taattgactc	tgccttgact	ccccaaagatg	ctaacaacta	tggttatagg	60
acattggctc	gcgccaaaga	gttggaagct	aaagagagag	ctgatatacg	gaggtcggtg	120
caagccgatc	atgctgctca	cgcgtcccat	ggttctttct	ccgaagacct	agatgtcaac	180
accgctgcca	ctacgctcgc	tgcgcacgag	gaggaaagga	tcgagttcaa	cgactttgat	240
gatgataacg	ttgatcttgt	tattgacgac	gacagcggca	gcgagatttc	gccccacctc	300
acgaaaaagc	agttcccggt	accttatagg	gacgaattca	cagacaatga	ttcagatggt	360
ttcgggggatg	gcgatggacc	tgacagtcag	atgttccgtc	tccatacaca	cgtgcgatcg	420
ggttga						426

<210> 11245

<211> 192

<212> DNA

<213> *A.fumigatus*

<400> 11245

tgcactggat	atgcattaag	agtaagaagc	ttgattatca	ccccctcaag	cggggccatt	60
gtgaataagt	ccagcgatcg	gcagatcgca	cagaccgcca	cagacatcaa	cctggcagga	120
tacgacgaag	cgactaataa	tagatatctc	tggtctgtac	agagtacaga	gtaccatgac	180
ttaacctact	aa					192

<210> 11246

<211> 225

<212> DNA

<213> *A.fumigatus*

<400> 11246

aaggctctgt	cggccgttag	caatgaaaga	gggggagata	gaatacctta	caagggttat	60
catcttatca	aggcgcaaga	taccttgtgc	catgcagtta	ataaggcagg	gggtggccat	120
actaagtatg	gggcccgcgg	ttcccgtgtg	gggtgggcta	gtcttggtata	tactctgaat	180
agaggcgaga	aactcaccta	tacctactac	ctaataagagt	tgtga		225

<210> 11247

<211> 411

<212> DNA

<213> *A.fumigatus*

<400> 11247

tggaacaatac	gctggcaacg	taagtgcacg	tcccgggtcaa	cgttggtttta	ccgcaggcctt	60
acatcaatat	gcagtctgag	caacctgacg	ggtttcaaag	gccacctcaa	caactcagcc	120
gatttttaggc	cagatgaata	tgaggctcag	tggatcacgg	atcgctcggta	tgccgatttc	180
aagttcagca	atgagtacaa	caagacttgc	gactatccga	aattctggaa	tgagactggc	240
tttccgttgt	attccggcgg	ggttgaggag	ttgaagggtt	gctataatag	tgattttgat	300
cagtatggag	aactagaggc	atttggcaac	ttccctgact	ggaagcgcca	gctcaccaag	360
ttcgccctcg	tacaagatcg	gttgcggtgaa	tggcacaagc	cccgttcgtg	a	411

<210> 11248

<211> 261

<212> DNA

<213> A.fumigatus

<400> 11248

aggcatttgg	caacttcctt	gactggaagc	gccagctcac	caagttcgcc	tccgtacaag	60
atcgggttgc	tgaatggcac	aagccccgtt	cgtgatatca	tcaccaggca	ttactgcatt	120
caaattgcc	gtctggatat	cgacggtttc	cgctatgata	aggctgttca	ggcgaccctg	180
gagccccctg	gtgagatgtc	ggcggcattc	cgggaatgtg	caaagaaata	tggcaagcat	240
aattttcttc	ctacctggcg	a				261

<210> 11249

<211> 456

<212> DNA

<213> A.fumigatus

<400> 11249

tgcactgact	ctgttcacga	ctctcgagag	cttgaaggca	cttcagaaat	gttcacggag	60
acgcagcgct	cagtcgcctt	catcctgtca	ctgctgagcg	tcagtgcact	gtgttggcct	120
tacaccgagt	cgctcgttga	ttataactta	aacgaaaaca	gatcggcgga	atcgccgatt	180
gactactggg	gagaatggcc	gaaccataag	taccaccctt	cgccggacaa	ctggcggttc	240
cctgtctaca	cgatctttct	ggaccgaatc	gcgaacgggtg	atccaacaaa	tgacgatatt	300
aacgggtacca	ctttcgagca	tgtagtgaat	tccaaccaga	tgccgccatgg	aggggatctg	360
gtcggggttaa	ttgatacatt	ggactatata	aggggcatgg	gtttcaagggt	gtgtttgaaa	420
tgccttccgt	gtctgatctg	tcacttacaa	atctag			456

<210> 11250

<211> 1020

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (134)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11250

ttgcaagggtg	ccatgttcca	actgtccatg	ttcctccgag	tattctcgtc	gttaagcagc	60
tttggggcaac	caagtcgatt	ccaagaaaaca	atctctgcag	agcatcgcat	ttgcaacatg	120
acctcaaccg	aaanacaatt	taccgtcgca	atagtaggcg	gtggaatcgg	aggcctcgcg	180
ctggctgcag	gactcttgcg	ccgcaatgtg	cctgttcaaa	tctatgaagc	tgctcccaaa	240
ttcaaagaga	tccgggctggg	tttgacgata	gggccagcag	ctcaccgtgc	gatgcccttg	300
attgatccctc	agatccgcca	cgtatatgat	tcgctcatca	cgacccatgc	cgacagtccc	360
gggtatgagc	gattcaagca	aacttggttt	gaagttgtct	gggcctcagg	tccaaaatcg	420
ggacagggttc	tcatgaactt	gaaggccttg	ccgtcagggc	aaaccaccgt	acggagagcg	480
gattttcttgg	acgccttggg	tgggctgggt	ccgcctgaga	ttgcgcactt	cggaaaaagg	540
ctgatcaggc	tagtcgaatc	gccgaccggt	gtgaatctgt	actttgaaga	cggcacctct	600

gcaagtgcag	atgtagtggt	cggttgtgat	gggatccatt	caaaagtcaa	ggagtttatg	660
ctaccagatg	agtatgagca	gaccatgcc	cggtagacg	gaatgtacg	atatcgcgca	720
gtcttgata	tggagacgat	ggtcgaagcg	gtcggtgacc	accgtgctcg	agtagcgacc	780
atgtatgtcg	gagatgggtc	atatgggatt	tcatatccca	tcatgcacgc	gaagaaggtc	840
aatgtaggtc	tctatgtcct	gcacgatatg	tgggacgacg	cagcgtgggt	tcgtcaagct	900
agcaaggaga	atatggcaag	ggacatgaag	catatggggg	aatatgtcaa	ccggctggtc	960
gaggtatgcg	gaaaacagga	atcgcattht	acagcgctc	cagctgatag	tggaccatga	1020

<210> 11251

<211> 444

<212> DNA

<213> A.fumigatus

<400> 11251

cagtatatgc	cggatccctc	gcagtgggccc	atatttgatc	atccacattc	gtccaccttc	60
gcgagatcgc	gtatcgcgat	tctcggggat	gcggcccatg	cttccacccc	acaccaagga	120
gcaggagcag	gacaagcaat	tgaggatgca	cacgtactgg	cagagcttct	tggggatcgg	180
agggtaatg	aagcaagaga	cgtccttgca	gcatttcagg	catacgatga	agtacgacgg	240
ccacggagtc	agagggtgg	aactagtagc	aaagagaacg	catacttggt	gtgtttacac	300
ctggatggag	tagaacatga	tgaggagaaa	ttgagaacaa	cttttcagga	gcggttacgg	360
tggctttggg	atatcgatat	ccaggaccaa	gcagagaggg	caaggcggat	catgttgaag	420
aagatgcaga	acagctcgag	ttga				444

<210> 11252

<211> 597

<212> DNA

<213> A.fumigatus

<400> 11252

atcgcccagg	ggaatgttcc	agggaagtcg	tctattttga	cctctcgtgg	tcactttttg	60
cagtattcca	ccctcacctc	tgccttccc	cttatcatcc	gtccagccat	ggcttctctc	120
cgccccctcg	tcaaaagggt	attacgacag	cgcctctg	ggttgtaact	gggcgctccg	180
tcactctcat	cagcactcaa	tctaccatc	gactacaaat	ctacaccct	tctgcatcat	240
acctcgtcct	cactatcgag	cgcactagaa	ctacctggct	caaccaccag	caaatcacta	300
aatctatacc	aagctatcaa	ctccgcgttg	cgaaccgccc	ttgctacgga	taacagggtg	360
atgctgtttg	gcgaggatgt	agcattcggc	ggagtgtttc	gatgctcgat	ggacttgcaa	420
acggagttcg	gatcggagcg	tgtatttaat	accccggtga	cggacaagg	gattgttggg	480
ttcgccattg	gagctgccgc	gcaaggcatg	aagcctgttg	ccgagatcca	attcgcccat	540
tgtcttcacc	acggggctgg	aaggatcagc	gtctcagttg	aaatttcaag	cgtcaac	597

<210> 11253

<211> 609

<212> DNA

<213> A.fumigatus

<400> 11253

tctgtggcta	agctactagc	taagtcagg	ccagtacg	tgcttttcac	gcacgccatc	60
gactcgcata	atgcgtttga	ggcggtcgat	tgtgggacgt	ttaccagct	gccgaacgga	120
gatgatctcg	agactgggtc	gatgcgcgc	tgggacttgc	ctggtaagcc	ggttagggag	180
tatgaggagg	tgtggcggga	gttggccttc	agagaggggc	cggagggggc	ggggagggga	240
gtttcgtggg	tgctggaggc	gaggggggat	gtgcaggcg	tcagcggcca	ggatgcgagt	300
acagtacga	ggatgttc	tgcgaggatt	tgggggactt	atgttgcgct	gcgccaggag	360
cagatgcact	ccgttgga	ctcggaggct	gaaatcaagg	atggagggga	ggttagcgct	420
agacgcgagg	agtgggactc	tacgtctggg	tggaaagacga	agtacgtcct	tggcccgat	480
gccgataagt	taccctctat	gacgacgatt	ggcactggag	atggagattg	gagcatcggc	540
agcgagggtc	tgctgagcga	ccaaccctac	attgtacgag	cgtgtgaacg	aattgatcaa	600

gaatattag

609

<210> 11254

<211> 258

<212> DNA

<213> *A.fumigatus*

<400> 11254

gaagccccc	ggtcgtcaat	caaaatgacc	gccaaccaaa	ccagcagcag	tagtagcagc	60
agcagcagca	gcagcagcag	cctctcaacc	cgaatctccc	tccgttggcc	ccccgacccc	120
gccttcgaaa	ataccgacac	catcgctcctg	tccttgatgg	gttgggtacgt	cgacctccgt	180
gtcgacaaat	ccaccggtaa	aatcgactgg	gcgatcgccg	gccaacgcat	cgtagaaaagc	240
caagagccgc	gtacgtaa					258

<210> 11255

<211> 636

<212> DNA

<213> *A.fumigatus*

<400> 11255

tctatacgtc	atgcaggtat	atacattaaa	gttggtatatt	tactgggtcgt	taacaaggac	60
gtagcggtag	cgggccttgc	catcgttcat	gtcgacaaca	gcctgggttgg	catccttcat	120
gggtctctcc	tggatccagg	ggtgaacacc	cttctcagcg	gcaagctgga	gcatctcccg	180
gatctcacta	gggctgccga	tcagggaacc	gccatcctcg	attctgcggc	cgatcagagc	240
atgctgcagg	atctgcagag	caccgtctctc	gggagcaccc	atctggacga	aggcacctgt	300
ggtgctggaga	agagagcagt	attggacaat	gggcatctgg	cgatgtcaga	ccatggcctc	360
gttaccacaga	cagagagtga	tgaacatacc	ttggagggaag	aaacagtgga	aacgatcaga	420
tccagggaac	ggttgtgggt	cttagcccaa	tcaggctcgt	catcagttgc	aatgtactca	480
tcagcaccca	gcttgagggc	gtcttccctc	ttgttggcct	tgctgggagat	ggcgacaacc	540
ttgtccgcac	ccagggcctt	ggcgaacaaa	ataccaaagt	gtcccaatcc	accgattcct	600
acaactccga	ccttcttgcc	gggaccgcag	ccgtag			636

<210> 11256

<211> 537

<212> DNA

<213> *A.fumigatus*

<400> 11256

ccgtgacgc	cctgcacatc	ccccctcgcc	tccagcaccc	acgaaactcc	cctccccggc	60
ccctccggcc	cctctctgaa	ggccaactcc	cgccacacct	cctcactatc	cctaaccggc	120
ttaccaggca	agtcccagcg	cggcacacgc	ccagtctcga	gatcatctcc	gttcggcagc	180
tgggtaaaacg	tcacacaatc	gaccgcctca	aacgcattat	gcgagtcgat	ggcgtgcgtg	240
aaaagcacgc	gtactggacc	tgaacttagct	agtagcttag	ccacagatta	cgggagcgtt	300
acgtacgcgg	ctcttggctt	tctacgatgc	gttggccggc	gatcgcccag	tcgattttac	360
cgggtggattt	gtcgacacgg	aggtcgacgt	accaacccat	caggacaggg	acgatggtgt	420
cggatattttc	gaaggcgggg	tcgggaggcc	aacggaggga	gattcgggtt	gagaggctgc	480
tgetgctgct	gctgctgctg	ctactactgc	tgetggtttg	gttggcggtc	attttga	537

<210> 11257

<211> 306

<212> DNA

<213> *A.fumigatus*

<400> 11257

catcgccaga	tgcccattgt	ccaatactgc	tctcttctcc	gcaccaacgg	tgccttcgtc	60
cagatgggtg	ctcccagga	cgggtgctctg	cagatccctg	cgcatgctct	gatcggccgc	120

agaatcagga	tgggcgggttc	cctgatcggc	agccctagt	agatccggga	gatgctccag	180
cttgccgctg	agaagggtgt	tcacccctgg	atccaggaga	gacccatgaa	ggatgccaac	240
caggctgttg	tcgacatgaa	cgatggcaag	gcccgctacc	gctacgtcct	tgtaacgac	300
cagtaa						306

<210> 11258

<211> 843

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (34)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11258

atactattcc	ggtgcggcgc	ctcccgtggt	gaanaaccga	gattcatttt	aaccagtgag	60
actaaactac	tccagggcc	caccatgtac	ccttgcgtgtg	tcggtcacga	aatcgtcggg	120
atcgccgtcc	gcgttgggtc	caaggccgag	ggaggcatca	aggtcgggtga	ccgtgttggt	180
gtcggagccc	aaaacgactc	ttgtctgggc	cgtaaggcgc	actgcgagga	gtgtgcctcc	240
ggtatggagc	agtactgtaa	acatggaatg	gttggcacgt	acaatggcgt	ccactacaac	300
ggcgacaagt	cgtacgggtg	atacgtctctg	taccaccgtg	ctccctctca	cttcgtcatt	360
aagatccccg	atgccatccc	ctctgctgag	gccgcaccca	tgatgtgcgg	tggtatcacg	420
ctctactctc	ctctcaagca	ctacggctgc	ggtcccggca	agaaggtcgg	agttgttagga	480
atcgggtggat	tgggacactt	tggtattttg	ttcgccaagg	ccctgggtgc	ggacaagggt	540
gtcgccatct	cccgaaggc	caacaagagg	gaagacgccc	tcaagctggg	tgctgatgag	600
tacattgcaa	ctgatgacga	gcctgattgg	gctaagaccc	acaaccgttc	cctggatctg	660
atcgtttcca	ctgtttcttc	ctccaaggta	tgttcatcac	tctctgtctg	ggtaacgagg	720
ccatgggtctg	acatcgccag	atgcccattg	tccaatactg	ctctcttctc	cgcaccaacg	780
gtgccttcgt	ccagatgggt	gtccccgagg	acgggtgctct	gcagatccct	gcgcagtctc	840
tga						843

<210> 11259

<211> 639

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (195)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11259

tgtgatctct	gtatctgctc	gacttgcacc	atttatcttc	tttcccactc	taatgcgagc	60
gctgtgatgt	actcgtcgtc	gaactccttc	ttgggcggcg	tcaacaacgc	ccgcccagga	120
caaccaccct	tcatgcagca	acctccatac	tcgcaattac	cccagggtca	gcaacaaata	180
ccacaacaga	gtggnttcca	accacagccg	accggatatg	gatctcaatc	agcctctcat	240
ctgcaacctc	agccaacggg	attccctact	ggacaactgc	aacctcagtt	cacaggcttc	300
cccgggcgag	cgctccaca	gcagcagcaa	cagtttgccg	gctatcaggc	gcccgcacaa	360
caaccgcaac	tcacgggtta	tcctcctcaa	agtcaacctc	catcgctgca	ggttccttcg	420
accaccggcc	tgccactcgc	gcttgcctcc	aggacgtctt	cggagatagc	taactcattt	480
agcgatgggt	ccggtgtggc	gcctccacca	cccccaagt	cttcggggag	taaaattcct	540
aacatacggc	tatcgttcat	cactgcgcaa	gaccaagcta	agtttgagca	acttttcaag	600
tccgcagtgg	gagatagtca	gacaatggac	ggtcggtag			639

<210> 11260

<211> 1686
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (1668), (1669), (1677)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11260
 aggatgatcg tgaagctaata tactcaatcc agggctcctgt ctgataccac taagtctggg 60
 caattattct tccctgaatt tgctttggcc atgtacctct gcaatttgag gatcactggg 120
 cgagaacttc catcgactct accggacaag attaagaatg aagtttcagg tatgggtggat 180
 atcatctcgt tcgggggtccc cgacacagag ccgcaaggcg ctgcaagaac gaacgttccc 240
 agcttcgacg ctccattatt ggagaacaaa tctgctccgc cggctcccca gcacctaag 300
 ccgcagcagc catcgaatgc acagtttcta tcgcaacttg ctgcgcagcc cacaggcttc 360
 ggtcctcaag caactgggtt gcagcccaat caaccctctc ttcttggagc gaacgcaact 420
 ctgcgccac agactacagg ctccccgga cagtctcagc agcagtatct ccattctcag 480
 ccaacaggtc taatgacca tctcaagct acaggctaca atggtcccg tccccactt 540
 ccgcctatgc ctaccggatt tggctcgaac cttagttcaa tgcagacagg cggattggct 600
 gctcagccaa ctggcattcc cggccaatgg gggtttgta acgcaccgct gtcgggtttg 660
 cccaacatcg aggccttgaa acagcaactc atgcctcagc ctggctcgtga gggcgggttt 720
 acgacagcgg gtctctccgg caatgttagt attccctggg caattacaaa ggaggagaag 780
 aaaatttacg atgatctttt ccgagcatgg gatggcttgc ataagggtt cataggcggc 840
 gataccgcta tcgaaattat gggacaaagt ggcttgatc gcaaagattt ggagcgaatt 900
 tggacgcttg ccgaccccaa caatcgaggc cgtttgaaca tggacgaatt cgcctagacc 960
 atgcatttta tctacagaaa actcaacggg tatccagtcc cgaatcgtct acccctgag 1020
 ctaattcccc cgtcaacgag gaacttgaat gattcaatag gcgcggtcaa gtctctgctg 1080
 tctcaggatg cagagagtcg caaagcttct ggcgcathtt tgcaacctca gaagacgggt 1140
 gtgagttacc tcaaggagca ctcatctcgt ggcggtgcaa ggtctccggg attcggccgc 1200
 aaggatgcca ctctctttaa aaataatgac gaggtctgct ctggttaccg gtctagcgt 1260
 cgctcgtcgt tgggtaatga tgcccggcca tcatccccc ctacctctca ggcactgag 1320
 gaggagctgt ctgttgagca gctgaagaag aagatcagg agactcagat catgcttgat 1380
 gctgtagatt tcaaagatga aaatcgagcc gaggaggatg aggtcttga tgcctgtat 1440
 cgtctggaag cggaaagcct catggatcga acccgctcgt ttcaggacga tatcgatag 1500
 catectaag cagtgttccg taagctggat aatggcgccg aaaagagatc cttgcgtcgt 1560
 cagcttcaag ctttcagga acaggttcct cagattgcct cagaagtccg ccgtattgaa 1620
 cgtgagaatt gcgatgcaa acttgaactt ttccgcttga aagacgcna aggcgcnc 1680
 aaataa 1686

<210> 11261
 <211> 420
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (142)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11261
 tgcgagcgt gtgatgtact cgtcgtcgaa ctcttcttg ggcgcgctca acaacgcccc 60
 cccaggacaa ccacccttca tgcagcaacc tccatactcg caattacccc agggctcagca 120
 acaaatacca caacagagtg gnttccaacc acagccgacc ggatatggat ctcaatcagc 180
 ctctcatctg caacctcagc caacgggatt cctactgga caactgcaac ctcaagttcac 240
 aggttcccc ggcgagcgc ctccacagca gcagcaacag ttggcggtc atcaggcgcc 300

cgcacaacaa ccgcaactca cgggttatcc tcctcaaagt caacctccat cgctgcaggt 360
tccttcgacc accggcctgc ccactcggct tgctcccagg acgtcttcgg agatagctaa 420

<210> 11262

<211> 309

<212> DNA

<213> A.fumigatus

<400> 11262

ggcaatctga ggaacctggt cctcgaaggc ttgaagctga cgacgcaagg atctcttttc 60
ggcgccatta tccagcttac ggaacactgc attaggatgc gtatcgatat cgtcctgaac 120
acgacggggt cgatccatga ggctttccgc ttccagacga tcacggcgat ccaagacctc 180
atcctcctcg gctcgatttt catctttgaa atctacagca tcaagcatga tctgagtctc 240
cctgatcttc ttcttcagct gctcaacaga cagctcctcc tcagatgcct gagaggtagg 300
gggggatga 309

<210> 11263

<211> 192

<212> DNA

<213> A.fumigatus

<400> 11263

gtaattagct tcacgatcat ccttcagaac gattggcggt tcacccacca tattttcgac 60
aattcactgc cgggaagtct cgaacgtaga agtaactcct tagctttttc cctgtatgt 120
gatacacttc agcaaatacat cctctcgatc aacgcgatgt catctgagga ctaccgaccg 180
tccattgtct ga 192

<210> 11264

<211> 873

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222>

(149), (268), (279), (509), (524), (675), (730), (757), (759), (775), (776), (781), (786), (787), (788), (789), (790), (798), (800), (807)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11264

cggagaggga caaaccaaga ggaaaagggg aagccaagcg agaagggaag agaagcgag 60
aggagagaag cggggggagg agagagaaac gacggaagcg gagggaagac aaggagagg 120
gagaagaaga aaaaagaggg agaaagagng gagggaggag caaggagaag aggagagaga 180
gggagaggag ggagagaaag aaagggagga aaaaggagag gaagggggaa gggaaagggg 240
gacaaagaga agagaagaag ggagagangg ggaaaaana ggaggaagga agggaaagga 300
aaaagagaag ggaaaagagg aaggggaagg aggaggagg gaggaaaaag gaaaggagaa 360
gggaggggaaa aggaaggagg aaagggaaaa ggaaggaaa aggagagaag ggaagagagg 420
aagagaagga aggggagagg agagaagaaa aggaagaaga ggaaaaagga aaaggagga 480
ggagagaaag aaggggagaa aagagggana aaggaagaag gganaagaag gaagaggag 540
ggagagggaag agaaaagagg ggaaaggaga ggaaaaagg aagaagagaa aaagggagag 600
aagaaaggag aggaagagg gagagaagag aagaaaggga ggaaagagga aggaggaaag 660
ggggagaagg aaganaagga aagaaaagag aagcggaaga gaaaggaaaa aaaaaggaag 720
agagaggaan cggaagacaa gaggagaggc ggaagangna ggaggaaagt aaggngagc 780
ngtagnnnnn ggggtcngn gagcgngac cctgccatct caatgaaaaa tatcatctca 840
acgataaagt ttatcaacat tcaaatatca tga 873

<210> 11265
 <211> 771
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (148), (267), (278), (508), (523), (674), (729), (756), (758)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11265
 ggagaggggac aaaccaagag gaaaagggga agccaagcga gaagggaaga gaagcgcaga 60
 ggagagaagc ggggggagga gagagaaacg acggaaggcg agggaagaca aggagagggg 120
 agaagaagaa aaaagagggga gaaagagngg agggagggagc aaggagaaga ggagagagag 180
 ggagaggagg gagagaaaga aaggggaggaa aaaggagagg aaggggggaag ggaaaggggg 240
 acaaagagaa gagaagaagg gagaganggg gaaaaaanag gaggaaggaa gggaaaggaa 300
 aaagagaagg gaaaagagga aggggaaggga ggaggggagg aggaaaaagg aaaggagaag 360
 ggaggggaaa ggaaggagga aaggggaaaag gaaggaaaga ggagagaagg gaagagagga 420
 agagaaggaa ggggagagga gagaagaaaa ggaagaagag gaaaaaggaa aaggggaggag 480
 gagagaaaga aggggagaaa agagggganaa aggaagaagg ganaagaagg aagagggagg 540
 gagaggaaga gaaaagaggg gaaaggagag gaaaaaggga agaagagaaa aaggggagaga 600
 agaaaggaga ggaagagggg agagaagaga agaaaggagg gaaagaggaa ggaggaaagg 660
 gggagaagga aganaaggaa agaaaagaga agcgggaagag aaaggaaaaa aaaaggaaga 720
 gagaggaanc ggaagacaag aggagagggcg gaagangnag gaggaaagta a 771

<210> 11266
 <211> 783
 <212> DNA
 <213> *A.fumigatus*
 <220>
 <221> unsure
 <222> (147), (266), (277), (507), (522), (673), (728), (755), (757), (773), (774), (779)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11266
 gagagggaca aaccaagagg aaaaggggaa gccaaagcgag aagggaagag aagcgcagag 60
 gagagaagcg ggggggaggag agagaaacga cgggaaggcga ggggaagaca ggagagggga 120
 gaagaagaaa aaagagggag aaagagngga gggaggagca aggagaagag gagagagagg 180
 gagaggaggg agagaaagaa agggagggaaa aaggagagga aggggggaagg gaaaggggga 240
 caaagagaag agaagaagg agagangggg aaaaaanagg aggaagggaag ggaaaggaaa 300
 aagagaaggg aaaagaggaa ggggaaggag gagggaggga ggaaaaaggga aaggagaagg 360
 gagggaaaag gaaggaggaa agggaaaagg aaggaaagag gagagaaggg aagagaggaa 420
 gagaagggaag gggagaggag agaagaaaag gaagaagagg aaaaaggaaa agggaggagg 480
 agagaaagaa ggggagaaaa gaggganaaa ggaagaaggg anaagaaggga agagggaggg 540
 agagggaagag aaaagagggg aaaggagagg aaaaagggaa gaagagaaaa agggagagaa 600
 gaaaggagag gaaagaggga gagaagagaa gaaaggggagg aaagagggaag gaggaaaggg 660
 ggagaaggaa ganaaggaaa gaaaagagaa gcggaagaga aaggaaaaaa aaaggaagag 720
 agaggaancg gaagacaaga ggagagggcg aagangnagg aggaaagtaa ggnngagcng 780
 tag 783

<210> 11267
 <211> 819
 <212> DNA
 <213> *A.fumigatus*

<220>

<221> unsure

<222>

(13), (20), (22), (30), (31), (32), (33), (34), (39), (44), (45), (61), (63), (90), (145), (296), (311), (541), (552), (671)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11267

gatggcaggg	tngcgctcn	cnegaccccn	nnnctacng	ctcnncetta	ctttcctcct	60
nonttttcg	cctctcctct	tgttttcggn	ttcctctctc	ttcctttttt	tttcctttct	120
cttcgcttc	tcttttcttt	ccttntcttc	cttctccccc	tttcctcctt	cctctttcct	180
ccctttcttc	tcttctctcc	ctctttcttc	tcctttcttc	tctccctttt	tctcttcttc	240
cctttttcct	ctcctttccc	ctcttttctc	ttcctctccc	tcctctttcc	ttcttntccc	300
ttcttccctt	ntccctcttt	tctccctctc	tttctctcct	cctccctttt	cctttttcct	360
cttcttccct	ttcttctctc	ctctcccttc	ccttctcttc	ctctcttccc	ttctctcctc	420
tttccctcct	tttccctttc	ctccttccct	ttccctccct	tctcccttcc	tttttccctc	480
ctccctcctc	ccttcccttc	ctcttttccc	ttctcttttt	ccttttccct	ccttccctcct	540
nttttttccc	cntctctccc	ttcttctctt	ctctttgtcc	ccctttccct	tcccccctcc	600
tctccttttt	ctccctcttc	tttctctccc	tcctctccct	ctctctcctc	ttctccttgc	660
tcctccctcc	nccttttctc	ctcttttttt	cttcttctcc	cctctccttg	tcttccctcg	720
ccttccgtcg	tttctctctc	ctcccccgcg	ttctctcctc	tgcgcttctc	ttcccttctc	780
gcttggtctc	cccttttccct	cttgggtttgt	ccctctccg			819

<210> 11268

<211> 858

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222>

(54), (61), (63), (71), (72), (73), (74), (75), (80), (85), (86), (102), (104), (131), (186), (337), (352), (582), (593), (712)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11268

atgttgataa	actttatcgt	tgagatgata	tttttcattg	agatggcagg	gtcngcgctc	60
nnncgacccc	nnnnnctacn	gctcnncctt	actttcctcc	tnctcttccc	gcctctcctc	120
ttgtcttcgg	nttctctctc	cttccctttt	ttttcctttc	tcttccgctt	ctcttttctt	180
tccttntcct	ccttctcccc	ctttccctct	tcctctttcc	tccttttctt	ctcttctctc	240
cctctttcct	ctcctttcct	ctctcccttt	ttctcttctt	ccctttttcc	tctcctttcc	300
cctcttttct	cttctctctc	ctccctcttc	cttcttntcc	cctcttccct	tnccctctct	360
ttctccctct	ctttctctcc	tcctcccttt	tcctttttcc	tcttcttccct	tttcttctct	420
cctctccctct	tccttctctt	cctctcttcc	cttctctcct	ctttccttcc	ttttcccttt	480
cctccttccct	tttccctccc	ttctcctttc	ctttttcctc	cctccctcct	ccctcccttt	540
cctcttttcc	cttctctttt	tcctttccct	tccttccctc	tnttttttcc	ccntctctcc	600
cttcttctct	tctctttgtc	cccttttccc	ttcccccctc	ctctcctttt	tcctcccttt	660
ctttctctcc	ctcctctccc	tctctctcct	cttctccttg	ctcctccctc	cnctctttct	720
ccctcttttt	tcttcttctc	ccctctcctt	gtcttccctc	gccttccgtc	gtttctctct	780
cctccccccg	cttctctcct	ctgcgcttct	cttcccttct	cgtttggtct	ccctttttcc	840
tcttggtttg	tcctctctc					858

<210> 11269

<211> 1074

<212> DNA

<213> A.fumigatus

<400> 11269

atagttacta	gagagttcaa	gaagccttct	ttctctccta	gtaacactaa	tcaagagtat	60
ataactgttg	tggaagcaat	cagcgagat	ggccacttta	ttccaccctt	tattatcttc	120
ccagggaagt	gcattcttagc	gggatgggtt	gatgtctgtg	atgagccaga	ttatataatt	180
ggagtgtcag	attctggcta	cataaatgat	atccttgcct	tccaatggat	tcagcatttt	240
aagcatcata	cacggcgctg	aatgctaggg	gtaaaacgcc	tacttctctg	cgatggatat	300
ggatcccata	tgacctacga	attcatcaat	ttctgtgaga	aaaacaacat	tctcttatac	360
ttctcctc	ctcatacaag	ccatattctt	cagccgctgg	atgttgggtg	attccatgcc	420
tataagcact	ggcatagtga	agctattgag	aatgctaccc	agacaggctg	tgggaagtgt	480
acaaagggtg	aatttctatc	cgccctcttt	gagatacaac	acaggacttt	caaacagcgt	540
actttaaagc	atgcttttag	gctgactggc	ctaaatccat	ggaacccatc	agtcgctctt	600
gaaagattac	aggattccaa	gctctttacc	gatgagtcgt	caagcaattc	ctccttctca	660
atcaccaata	ccccccaaac	agcgcgctca	attgatcaat	ttaatcgta	tcttcttgat	720
ctatcccca	ctgaagaaga	ttcattccat	accactcttt	ctaagctggg	aaaggctgct	780
aaaacacagg	cgattctagt	cgaacatctt	acggagcggg	tgagggaatc	agacactgca	840
aaactagccc	gtcaacgccg	tgcgagggct	tctagagctc	atctacagat	aggtggaatc	900
atgcggaagg	aagaggtcac	acgtatgaag	cgaattaggc	aagattatga	tgagctggta	960
gagaagaatc	gcttacagcc	tcagtggagg	aaggtaatgg	cggaaacttca	agagtactgc	1020
cttgccaaag	gaataattgt	tcgaaagcgg	agaaaagtgc	gaaaggtagt	ttaa	1074

<210> 11270

<211> 831

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222>

(26), (33), (35), (43), (44), (45), (46), (47), (52), (57), (58), (74), (76), (103), (158), (309), (324), (554), (565), (684)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11270

tatttttcat	tgagatggca	gggtcngcgc	tcnncgacc	ccnnnnncta	cngctcnnc	60
ttactttcct	cctnctctt	ccgcctctcc	tcttgtcttc	cgnttccctt	ctcttctctt	120
ttttttcctt	tctcttccgc	ttctcttttc	tttctctntc	ttccttctcc	cccttctctc	180
cttctctctt	cctccctttc	ttctcttctc	tccctctttc	ctctcctttc	ttctctccct	240
ttttctcttc	ttcccttttt	ccctctcttt	ccctcttttt	ctcttctctt	ccctcctctt	300
tccttcttnt	cccttctctc	tttntccctc	ttttctcccc	ttctttctct	ccctcctcct	360
tttctttttt	cctcttcttc	cttttcttct	ctcctctccc	cttcttctct	ttcctctctt	420
cccttctctc	ctctttctct	ccctttccct	ttcctccttc	cttttccctc	ccttctcctt	480
tcctttttcc	tccctccctc	ctcccttccc	ttcctctttt	cccttctctt	tttcttttcc	540
cttcttctct	cctntttttt	ccctctctct	cccttctctt	cttctctttg	tccctcttcc	600
ccttccctct	tcctctctct	tttctctctt	tttctctctt	ccctcctctc	cctctctctc	660
ctcttctctt	tgctcctccc	tcctctcttt	ctccctcttt	tttctctctc	tccctctctc	720
ttgtcttccc	tcgcttcccg	tgtttctctt	ctcctccccc	cgttctctct	ctctgcgctt	780
ctcttccctt	ctcgcttggc	ttcccttttt	cctcttgggt	tgctccctctc	c	831

<210> 11271

<211> 231

<212> DNA

<213> A.fumigatus

<400> 11271

tactttgcac	cggactacga	gctggatgtg	cgtccgtcga	acatggacaa	tgccaacacg	60
------------	------------	------------	------------	------------	------------	----

aaagattatc	tcgacaagat	ccgagctcag	gtggttagaaa	atctcaagcg	gacggctttt	120
gcacctctcg	tcgagatgac	cgacgtacct	cgcgaaacctc	ttgttgaagg	catggacgat	180
gaagcagacg	ccatcttgga	tgaccttgac	gaagacgaat	acctggacta	a	231

<210> 11272

<211> 576

<212> DNA

<213> A.fumigatus

<400> 11272

cctggttatg	aactatggcc	tctacaagaa	gatggagatt	tacgtgagtg	ttcatggact	60
ttcaaggcta	ggttcaagca	gaacactaat	gggttatcgg	cgcagcgtgc	gaaaccggcc	120
tcaaagtatg	aaatgacaca	attccacacc	gacgaatata	tcgacttcct	ttcaaaagt	180
acaccagaca	atatggacca	gttttccaaa	gaacaaggca	agtataacgt	tggggatgac	240
tgtccagttt	ttgacgggct	gtttgagttc	tgtggtatca	gcgctggcgg	cagcatggag	300
ggtgcggcac	gccttaaccg	caacaaatgc	gacatcgctg	ttaactgggc	cggagggctc	360
catcacgcga	agaagagcga	agcgagtggg	ttctgctatg	taaattggtaa	gcttatcttc	420
ctggcggcga	ttgtcattat	ccaacgacat	cttctcactt	tttacagaga	tcgttcttgg	480
tatcctcgag	ctgttacggt	tcaagcaaag	agttctttac	gtcgatatcg	atgtccacca	540
cggcgacggg	gtcgaggaag	cgttctacac	aactga			576

<210> 11273

<211> 318

<212> DNA

<213> A.fumigatus

<400> 11273

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ggtaactacg	cctatgtttc	agggcatccg	atgaagccgc	accgtatcag	gatgacacat	180
agcctgggtta	tgaactatgg	cctctacaag	aagatggaga	tttacgtgag	tgttcatgga	240
ctttcaaggc	taggttcaag	cagaacacta	atgggttatc	ggcgcagcgt	gcgaaaccgg	300
cctcaaagta	tgaaatga					318

<210> 11274

<211> 651

<212> DNA

<213> A.fumigatus

<400> 11274

atggtaagct	tatcttctctg	gcggcgattg	tcattatcca	acgacatctt	ctcacttttt	60
acagagatcg	ttcttgggtat	cctcgagctg	ttacgtttca	agcaaagagt	tctttacgtc	120
gatatcgatg	tccaccacgg	cgacgggtgc	gaggaagcgt	tctacacaac	tgaccgcgtc	180
atgactgtct	cattccacaa	gtacggagaa	tacttcccg	gaactggcga	gcttcgtgat	240
attggagtgg	gacagggcaa	acactatgct	gttaactttc	cacttcgcga	tggtatcgat	300
gacatttcgt	acaagagtat	ttttgagccc	gttatccgaa	gtgtcatgga	atggtagccg	360
ccagaagctg	tcgtccttca	gtgtggtggg	gacagtctct	cgggtgatcg	tctaggttgt	420
ttcaatttga	gcatgagggg	ccacgcgaac	tgtgtgaact	tcgtcaagag	cttcaattta	480
ccgaccatga	tcctcggtgg	cggtgggttac	acaatgcgca	atgttgccgc	aacgtgggcg	540
tttgagactg	ggattctgtt	aggggaaaac	ttgggtccag	aactccctta	caatgactat	600
tacgaggtgg	gtttgactg	gttcaaatgc	agaatgcccg	cagattgcta	a	651

<210> 11275

<211> 258

<212> DNA

<213> A.fumigatus

<400> 11275

gacacccccga	acctgatcga	taactccgag	accgtacaca	tttcatcact	agctttgctg	60
aagatgttaa	gacatggctg	ggctgggtgtg	cctatggaag	tcattgggct	gatgctggga	120
gaattcgtcg	atgaatacac	agttcgtgtg	gttgatgttt	ttgccatgcc	ccagagcggg	180
actggtgtca	gtgttgaggc	cgtggacccc	gtttttcaga	ccaagatgat	ggagatgctt	240
cggcaaactg	gacggtag					258

<210> 11276

<211> 510

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (480)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11276

gtctcggcag	ggcaaagcaa	gcttgaaagt	tgcaccgctg	atagatcttc	aaaactcagg	60
ccggaacacag	tcgttggatg	gtatcactcc	catcctgggt	ttggctgctg	gctttcgtcc	120
gtggacatca	acacccagca	gtcattcgaa	cagctcactc	cccagcagct	cgcagttgtg	180
gttgatccga	ttcaatccgt	taagggaag	gttgtcatcg	acgccttcg	actaattcag	240
cctcagaccg	ttgtcatggg	ccaggagccc	cggcagacga	catctaattt	gggtcacctg	300
aacaagccat	caatccaggc	gctcatccac	gggttgaaca	gacattacta	cagcatcgct	360
atcaactatc	gtaagacggg	gctgggagag	aacatgctga	tgaacttgca	taagcacggt	420
ttgacagagg	cattgcaaaa	tgaccgactt	ccgttgagga	aggccaccac	aatgtggaan	480
cggattgaac	agctagtgtg	cccttgttga				510

<210> 11277

<211> 1062

<212> DNA

<213> A.fumigatus

<400> 11277

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ttgcttaaat	cacatcgcat	cactggattt	accactacaa	cgctcttccc	ttcatcgtct	180
ttcctacccc	tcattcctgt	tttccatcat	ataatttcgg	aaaagtctca	cttgttttcc	240
ttggctatgt	ctacacgtcg	ctctcttcgc	tctcgtccaa	tgcgggatga	tcaatcaagc	300
atcgattctg	acttgagtcc	aagacgtacc	agatcgacac	gtggtgtccc	acctgcgcca	360
ctagtaacag	tcactcggtc	tgttttcaggc	agcgcagaga	accccatcag	atctcttttc	420
ctgactgtaa	ggatgccttc	gagcaagctt	cgcgaagtta	ctgggggtag	tgcacggggg	480
atcacttcaa	ccaggcgctc	ccacaatgtc	ttcactgaaa	accccatcat	caccggaccg	540
cggctctagc	ggcccaagag	gaagctcgta	gaggtcagca	caagtgaggg	ggatgactta	600
gcagaccaag	aggaggatga	agttgacgag	gatgcacctg	gtgaggatga	cgttgatgcg	660
gatggcgatt	tggaaactga	cgatgcgcct	ccccgccac	caacttcaaa	aagaaacgcc	720
aagggtactg	ccacatcaac	gggaaaatct	gtgaagagcg	tggaggagaa	ggagatggaa	780
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ggcgatctta	gccggttaac	caagcggcag	agaggaaccc	tcggcaatga	ctttttgcag	1020
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<210> 11278

<211> 441

<212> DNA

<213> A.fumigatus

<400> 11278

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cgtgctatgc	gtcgtgctga	aatgggtcga	agaagaaaaga	acctcagcga	gaagcgaaac	120
gaggaagaaa	aggtacggtg	ggccggtgaa	gcagcctttc	ttggtctcga	aattttctcta	180
tctactggct	gtatcacgtc	gctaacgtgt	aaacacagat	ggatacgatt	aataggttgt	240
tgcgcaaaaa	ggctccaaaa	cgtcgtgggtc	gtattccagt	tgctgaagcg	gaagccaacg	300
ccgccgaagc	agaggcagaa	gaggcagaga	aaccacagcc	aacgatgggtc	cgatgggtca	360
gtggctcgca	gggcagtcgt	atcgggtgtgc	ctgaagaatg	gctcgggact	cctgcgggac	420
gcgtcttttg	gaaactccta	g				441

<210> 11279

<211> 240

<212> DNA

<213> A.fumigatus

<400> 11279

ccggctaaga	tcgcctccgg	gcgtgacctc	ttcgctatca	tcgtcttcct	cgtcttcttc	60
atcctcttca	tccaggtcct	cgtctcctcc	atttccattg	ccaagcccac	tctcgtcctg	120
gtcatcaggc	tcaccctcgg	catccgtatc	cagctccgac	agctcgtcat	catcttcgtc	180
gtcttctctc	tccagttcca	tctccttctc	ctccacgctc	ttcacagatt	ttcccgttga	240

<210> 11280

<211> 801

<212> DNA

<213> A.fumigatus

<400> 11280

ggttctggaa	ttcggtcagc	agcggcactt	cactggaaac	acttacagaa	ggaaaactca	60
cccatgggaa	gctgcaaaaa	gtcattgccg	agggttcctc	tctgccgctt	ggttaaccgg	120
ctaagatcgc	ctccgggcgt	gacctcttcg	ctatcatcgt	cttcctcgtc	ttcttcatcc	180
tcttcatcca	ggtcctcgtc	tcttccattt	ccattgccaa	gcccactctc	gtcctgggtca	240
tcaggctcac	cctcggcatc	cgtatccagc	tccgacagct	cgatcatcat	ttcgtcgtct	300
tcctcttcca	gttccatctc	cttctcctcc	acgctcttca	cagattttcc	cgttgatgtg	360
gcagtaccct	tggcggtttc	ttttgaagtt	gggtgggcggg	gaggcgcac	gtcaagttcc	420
aaatcgccat	ccgcatcaac	gtcatcctca	ccagggtgcat	cctcgtcaac	ttcatcctcc	480
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cggctagacc	gcgggtccggt	gatgatgggg	ttttcagtg	agacattgtg	ggagcgcctg	600
ggtgaagtga	taccccggtc	actaccccc	gtaacttcgc	gaagcttgct	cgaaggcatc	660
cttacagtca	ggaaaagaga	tctgatgggg	ttctctgcgc	tgctgaaac	agaccgagtg	720
actgttacta	gtggcgcagg	tgggacacca	cgtgtcgatc	tggtagctct	tggactcaag	780
tcagaatcga	tgcttgattg	a				801

<210> 11281

<211> 1266

<212> DNA

<213> A.fumigatus

<400> 11281

ttggctcagg	gaactggtat	gcttatgact	gctgggtgca	gctcgaatgc	gaaactggaa	60
gctgactcca	tcttcttgaa	taggggtact	gctatcgcta	agattgtcgc	tgagaatacc	120
gccagcaacg	actccctctt	cgagagagat	ggtgaaatgt	gggtattcga	ggagaagggtc	180
gagattccca	agaattcccc	gcactacgac	ccatcttcgc	ccttgtgtca	gggtccccag	240
aatctgaccg	agataatcaa	taagacacat	gaaaatgtca	agtacctacc	cggaattgcc	300

gtcgatctca	atttcgtcct	ttaccgctgt	gacgcggaag	aaagggattt	gagcgggtggc	1980
caggacgggg	tttacaacgt	ccccaaacct	ggaccgttgg	tctacgctgg	tcttcagggga	2040
tggtggagcg	tcattggaag	atatcatcaa	gtacaacgca	ctaggccatc	cactttgcga	2100
ccatctccgt	cacggccagt	gggccctaga	tttcatcgtc	gggcgcgatg	agagagccgc	2160
aaagaaggaa	ggatacactg	cactggagaa	gcctgctaa			2199

<210> 11283

<211> 1629

<212> DNA

<213> A.fumigatus

<400> 11283

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ctttgcgacc	atctccgtca	cggccagtgg	gccctagatt	tcctcgctcg	gcgcgatggag	180
agagccgcaa	agaaggaagg	atacactgca	ctggagaagc	ctgctaaatg	gttgcacgag	240
aagtttcagg	cagtccgtga	tttaccaagc	tttctgttac	cgaggtactt	cggtatcatt	300
atccaggtag	catacaatgc	tgcttggaag	cgtggcattc	agctgctggg	gcccgatgtt	360
cggcagggag	aggagttcat	ccatcaattg	ggcatggtta	gtgtgcagg	aactggcctt	420
gtgaaatccg	catctctttg	gcctacaaag	actgtcccca	gccttgacgc	tggtcttccg	480
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ctctttcttt	gcaccggccg	ttttgatgac	gccaaggagc	atatcctagc	atttgccagc	600
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tcccgggatt	ccgtgtgggt	cttcctccag	gccatccaag	actacaccaa	gatggcacc	720
aacggcattg	agatcttgaa	cgagacggtt	gccagacggt	ttgtgcctta	tgacgatacc	780
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caagaagtgc	tccaacgaca	cgcgcgatga	ttgtcattcc	gagagtacaa	cgctggggcc	900
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acgggaataa	tcttcgggtg	tagtcaaac	aactgcggtg	cgtggcaaga	caagatggga	1020
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ccaaattact	acaactcgga	agactcggac	aatttcgcga	ctgccaaggg	tatgaactac	1560
caccaaggaa	ccgaatgggt	ctggcaacgg	ggattcttcc	ctccggcttt	cctgcacttt	1620
ggatcttga						1629

<210> 11284

<211> 255

<212> DNA

<213> A.fumigatus

<400> 11284

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aaagcaccag	gcaagacgga	aatgaaacca	aaagctgatt	ccagcggctt	atctaggatg	120
ttgctgagct	tgtattcgaa	gttttgccca	gccactaacg	ggttgagcaa	tttcttgcca	180
tgcgacagca	tgactttgat	ctcaccacaa	gctcctccgc	acatgggctc	gacgtcgaat	240
gccttccata	gctga					255

<210> 11285

<211> 1092

<212> DNA

<213> A.fumigatus

<400> 11285

tgtgaatcgc	agggcaactt	cttcttggtc	tttcacattc	tcaccaccta	ccttgggtgac	60
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gcgaccctgg	tgacctgctt	cgttctgtcc	ctcggcaacc	gccctggcgg	ttcaaacaag	180
ttctacatga	ccatgggtcta	cttctggatt	ggcatcatga	tctacctgac	ctttgcagca	240
atctttgtga	ctgtcaaata	tattcagaag	gaagtcgccg	ataactcgtt	tagcgttgga	300
caattgttca	gcaacagcca	attcttctcg	atctttgtct	ccttggggtc	gacttatgtt	360
atgtggcttt	tggcttcaact	tatcttcttc	gacccctggc	acatgttcac	ctccgtaagt	420
ctcctccgaa	cattggctat	atgcgaagct	aacctgtacc	agtttatcca	atacatgctg	480
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acatggggta	ccaagggaga	cgacaaggcc	gagaaattgc	cttcagccaa	catgaaaccc	600
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gtatgttcaa	ggatattcga	cttttccata	ctgctttcac	acgctaattg	ttcgcacagt	1020
tccgagcgct	ttgatgttat	ttctctagtc	ttttccttcc	catgtgattg	tacgcacccc	1080
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<210> 11286

<211> 210

<212> DNA

<213> A.fumigatus

<400> 11286

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ttcgagttca	gaggaactcg	ggtacacata	agagggcgat	cggcatgccc	agtcacagatg	180
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<210> 11287

<211> 885

<212> DNA

<213> A.fumigatus

<400> 11287

aagatcaact	cccatcgctg	gttattccag	gcctttggcc	gtgtattgga	ccccaatatc	60
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gcattcgacg	tgcagcccat	gtgcggagga	gcttgtgggtg	agatcaaagt	catgctgtcg	180
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gcccatttct	accagatctg	gcggagcgac	cacagcttca	tgcgcaagtt	catgttggtg	660
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<210> 11288
 <211> 360
 <212> DNA
 <213> A.fumigatus

<400> 11288
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 ctgaaggcca atcccaaggc tttgggtacg agcattatta agtgggaaaa ggtgcgcagt 240
 gaggcgatgg attattatca gcggaaaaaa gaccagcacc gttttgacgg ccaaggcaat 300
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<210> 11289
 <211> 864
 <212> DNA
 <213> A.fumigatus

<400> 11289
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 aagcaccttg catgtggtga taaccacgtc ctgcgttttg atgagaaggg tgcagtattc 180
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 tttggtgaaa cgggtattcg tgaggagct ggcgacgacg aggtgccat aattcaccca 420
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 ggctctgacc attcaattgc tatcgacgtc gacggtcgcg cctggctcgt gggcttttct 720
 gcaacctacc aaacaggcca gggcactcag gatgatatcg aggttgcgac tgtggttgag 780
 aatactgctg tacggggtaa gaagctgaac tgggctgggt ctggtggaca attctccgtc 840
 ttaccgaac ctgcaacggt gtaa 864

<210> 11290
 <211> 1194
 <212> DNA
 <213> A.fumigatus

<400> 11290
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 gtgtttcaac aaatacacac tcttctctgc atctgcataa atctcttccc ctcaataaaa 120
 acagcttccg agatttttat tatgtttgtc agtctgctat cacctctaata gatttctgta 180
 cactatcccc cttccccctt tccgcttgaa aaggattttt ggtattccaa taaacaaaaa 240
 aagaaaagag agttgcctcc caaaaaaagg ggtcccaagg ccgccgcaaa gccttcaacg 300
 tccacaacca agactaccac taccaagaaa acaactgttg cgaaaactgc aaacaaaggt 360
 cagcctgcga aaactactgc ggcttctcag cttaaggcaa cctcgaaaaa acaatctcaa 420
 gccactgatg catctgcaaa gtccgcgcaa tctaaggcca ctagtgccag tgcggcagct 480
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 cccactacac gattgaacgt ctatgtttgt ggtgaaggta gctcaggcga actcgggctc 660
 ggtacggcga agaatgcggt cgatgtgaag agaccgcgtc ttaatcccca cttgccagcg 720
 gaccgggtgg gtgtggtgca ggtagctgtc ggccgcatgc actgcgtcgc ccttacgtat 780
 gacaacaaaa tcttactttg gggcgtcaac gaccaaggag ctcttgggcg cgacactacg 840
 tgggaggggtg gttataagga cattgatgac aacaaaagtg atgcggactc ggactcggac 900

tcggatgatg	acagcgggtct	caatccctac	gaagcaactc	ccactgccat	ctcgtccgac	960
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ctcactgatg	atggtcagggt	ctatggctgg	ggaactttcc	gagtaagtta	cacgcggcgt	1080
cttcttccta	ctaatttcctt	tttctgttct	tcctctctcc	ctcctgtaaa	ggggttacct	1140
caacgatgcg	ctaacggggtt	ctctccagag	caacgacggt	attttagggt	ttga	1194

<210> 11291

<211> 345

<212> DNA

<213> A.fumigatus

<400> 11291

tatacgctta	gcttcggacc	ttcgaccgct	gggggtgaaga	ccattggggc	tactaacggc	60
ccggttttacg	gtccgatcat	cgggggtttt	gtgttcgaga	acctaggatg	gcgatggacg	120
aattggattg	tgctcatcat	cggagggtgg	gtcctgggtt	tgatggcctc	tattaaggaa	180
acatatgcgc	cagtcattct	gagaagacgc	gcagcacgca	aaaggaaaga	gacgcaaac	240
tcaaggtggt	ggacacgtta	taacggtgag	caggatttca	agtcacgct	gcgagccaat	300
ctcagccggc	cattcagaat	gcttctaacc	gagccgattt	ggtaa		345

<210> 11292

<211> 663

<212> DNA

<213> A.fumigatus

<400> 11292

cgatctaaca	gtatatattt	ggacgtttac	gttgctctcg	tatatggcgt	gctctaccta	60
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ggctcttcat	tcattggcat	cggagtgggg	gttctgatag	caattgcgtg	cgagcccata	180
tttcgcaaaa	tcatcaacct	ccatcggaag	tcagaggatg	gcattgtgga	accggaggcc	240
atggtcagca	tcgttggatt	tggtgccact	ctcctaacgg	ttggacagtt	atggctcttca	300
tggacctgga	ctcccagcgt	tactggatt	gttccatcc	tggtggcgt	tccttcgga	360
gctgggaatg	catgtgtctt	catctatgcc	tccaattatc	tcgccggttc	ctatggcatc	420
tacgctgcgt	ccgcactcgc	ggggaatatg	cttttaacga	gtattgtagg	agcctgtctt	480
ccgcttgcag	gtccgtccat	gtacggcaat	cttggactga	attgggcgag	tacgcttctg	540
ggctcttttg	aagccgcgtg	catctcaatt	ccgggtgggt	tctatttcta	cgggcataag	600
attcggggagg	cgagccctct	tttgaaaaaa	ttgaaagatc	acacactttc	accgcaccat	660
tga						663

<210> 11293

<211> 2211

<212> DNA

<213> A.fumigatus

<400> 11293

gagcgcgtct	ccttccagcc	ccggccgtgt	agacgattta	tcctgtctct	tggcagctgc	60
gattcgtgct	tggtgggttga	tgatgagttg	aatgtccttc	caatctctgg	tgggaagaac	120
gtgaagcctc	ttccaccgcc	agagaccctt	gacgacaaca	caggcacgaa	gaaggaattg	180
aaagagatca	aggatagctt	agcagacact	cagccagtag	gctccttgg	cagcctagct	240
cgcactgttg	accaggcaaa	ggcgtgttg	accttcgtcg	acgtgatcgc	cgagaagacc	300
cttcgcagca	ccgtcacctt	gactgcagct	agaggtcggg	gaaagtccgc	agctcttgg	360
gttgccatcg	cggcagcgg	tgctcatgga	tacagtaaca	ttttcatcac	ttcccttagc	420
ccggagaact	tgaagaccct	gtttgaattc	attttcaaag	gtttcgatgc	tcttggatat	480
ctcgatcacg	tggattacac	catccttcaa	tccaccaacc	cggacttcaa	taaggctatt	540
gtgagagtca	acatccatcg	tcagcatcgt	cagaccattc	aatatattca	accccaggat	600
gcgcacgttc	tgggccaggc	ggagcttctg	gtcattgatg	aggctgcagc	catcccttgg	660
cccctggtgc	gcaaactgat	gggcccatc	ctggtattca	tggcgtccac	catcaatggt	720

tatgaaggca	ctggccgggtc	gctctccctg	aagctgatcc	agcagcttcg	cgagcagtc	780
aggggtggcc	tgaaggccaa	cggtcaggac	gatacagata	tcgctgatag	agccacaggc	840
aaggctgcca	agagcgacga	gaagaacttg	ggtggacgct	cgcttagaga	gattactttg	900
tcagaacct	ttcgttacgc	ccctggggat	tcagtggaaa	agtggctaaa	taaagtcttg	960
tgcttggatg	ccacgctgcc	aaagtccaag	atcaacacac	agggctgccc	acacccgtca	1020
caatgccaac	tcttgcaagt	caaccgagac	acattattct	ctttccaccc	ggtctctgaa	1080
aagtctctgc	agcagatgat	ggctctgtac	gtggccagcc	actataagaa	cactcctaac	1140
gatctccaac	tgatgagcga	tgcacctgcg	catcagctct	tcgtgttggt	gcccccatc	1200
gacgaggagg	ctaccaagct	tcttgagcct	ctctgcgtca	ttcaagttgc	tctggagggt	1260
cgtatcagca	gacaaagtgt	tctgaacagc	ttaagtcgtg	gccaacgggc	cggtggcgac	1320
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gcccgaattg	tgcgcattgc	aaccaaccca	gaatatatga	acatgggtta	tggatcccgc	1440
gctctggagc	ttctgattga	tttctacgag	ggcaagttta	cggacctctc	cgagaaaatt	1500
cccgcagctg	aggaagagat	ggttaggggc	actgatgaag	agctcgccaa	ctcatctctc	1560
cttgatgaca	acatccatgt	tcgggacatc	cgctctatgc	ccccctctgt	cggcaagctc	1620
tccgagcgtc	gtccagacgc	actggactac	gtcggcgctc	gttacgggtt	gacaccgccg	1680
ctgcacaaat	tctggaagcg	cgcttcattc	gttctctgtc	accttcgcca	gactccaaac	1740
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gctagctggc	tcggggagtt	tgctcgggac	ttccacaagc	ggttcatagc	tttgctctcc	1860
taccaattcc	gagaattccc	ctctgttctc	tcctcagca	tctgcgaatc	cgtcactgca	1920
ggcgctaagc	tcgacacctc	gtacaccccc	tctttgctca	cgaagagtga	tctcgacgcg	1980
gccttctccc	ccttcgacct	caagcgctt	gacagctacg	caaacaacct	gctggactac	2040
cacgtcatcc	tcgatattgg	tcccaccatt	gcggagtact	acttctccgg	ccgcctgagc	2100
gggaaggctc	acctctccgg	cgtccagcag	tccatcctac	tcgccattgg	cctccagcgc	2160
aagcacctgg	acgtttttcac	tcacggaggc	gccgaagggt	cccgcgcata	g	2211

<210> 11294

<211> 300

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (295)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11294

ttccggctgc	agtggattga	ggaagcaaac	gagcgatgtc	ccggcgctacc	tatcattctt	60
gtcggactaa	agaaagattt	gcgcgaagat	cctctggcga	ttgaagaaat	gcggaagaag	120
tcctacgct	ttgttacttc	gagggaaagga	agcgaaactg	ccacgcaaat	cggcgccagg	180
aaatacctcg	aatgctcgtc	gttgacaggg	gagggagtgg	acgacgtttt	cgaagccgct	240
actcgagccg	cccttcttac	attcgataag	cggaagagct	catgttgcac	cgtgntatga	300

<210> 11295

<211> 324

<212> DNA

<213> A.fumigatus

<400> 11295

ccatatcacc	aggttcccac	agtattcgaa	aactatgtca	cggattgcag	ggttgatggt	60
cgatctgttc	agctagcttt	gtgggatact	gcaggtcaag	aagactatga	aaggttgcgg	120
ccactcgcgt	attccaaagc	gcattgttatt	ctgataggat	tcgctgtgga	cacaccagat	180
tccttggaaa	atgtaaagca	caaggttcgt	tcattgctgga	attcgttaat	tttcgctact	240
ggtcaactca	ctagttccgg	ctgcagtggg	ttgaggaagc	aaacgagcga	tgtccggcgg	300
tacctatcat	tcttgctcgga	ctaa				324

<210> 11296

<211> 342

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (37),(44)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11296

ttaattcatg	cgcggatccg	tccgggcccg	ggtgaanac	atancacgat	gcaacatgag	60
ctcttcgcgt	tatcgaatgt	aagaagggcg	gctcgagtag	cggcttcgaa	aacgtcgtcc	120
actccctccc	ctgtcaacga	cgagcattcg	aggtatttcc	tggcgccgat	ttgcgtggca	180
gtttcgcttc	cttccctcga	agtaacaaag	cgtagggact	tcttcgcgat	ttcttcaatc	240
gccagaggat	cttcgcgcaa	atctttcttt	agtcgcgcaa	gaatgatagg	tacgccggga	300
catcgctcgt	ttgcttcctc	aatccactgc	agccggaact	ag		342

<210> 11297

<211> 306

<212> DNA

<213> A.fumigatus

<400> 11297

tacttctcga	gatccccctcc	ttgtgattcc	ggagcgaccg	acctccatcc	attacggagt	60
atattcttct	gtcgcctaac	ctggacattg	ccgcctccc	ctgcgtgcgg	ccaaaggggt	120
ctcttcacc	cctcttcgc	cctcattttc	cccattttgt	cgcgcctgga	tctcctcctc	180
tctctattta	actccccacc	tcctagctcg	caagtgtctc	actcttgatga	gggactgctg	240
gcattggata	ttctcttcgt	tcagctctct	cgatcgcact	ttactccgct	tgctgctcgc	300
cggatga						306

<210> 11298

<211> 654

<212> DNA

<213> A.fumigatus

<400> 11298

aatcggaatg	gctgcgcgtc	atcaacggcg	cgtgtcaact	tctcctcggc	gctcatcaag	60
ggttttcggct	tcaacggcat	ctacgcaacc	cttctccagc	tcctactgg	agtcacccaa	120
gccgtttgtgg	tgcttatctg	cggcctgac	ggacactacg	tcgcgcactc	gcgctgcctc	180
gtcctcgccg	cagtatgcct	catcccgctc	ggtgggctcc	tcggcatccg	attcaccagc	240
ctcgaccaca	gatggactct	ggtcggtgc	acctggctgc	agtacattat	cggcgcccca	300
atcatcgtgt	cgtggaacct	cttagcgaca	aacgtcgccg	gacataccaa	gcgctcaatg	360
gccaatggca	tgtggttcac	catgttcgca	gcaggtcacg	tcgctggcgc	caagatcttc	420
ttcgcccggg	aagcgccccg	gtaccactcc	gctttggcag	gtctgctgat	ctgttatgct	480
ggcatgattg	tcctagcgct	tgcttcgtac	acatatatga	aatgggagaa	tctgcggaga	540
gatcgcaagc	catcgccgga	cgatgatgtc	tcgcggcgcg	aggaagccgc	catccttgat	600
gggttcaaag	acttgactga	catgaagtca	aagaattttc	ggttatgcgtt	atga	654

<210> 11299

<211> 192

<212> DNA

<213> A.fumigatus

<400> 11299

ccctaccttg	atcataaatt	taggtctcgt	gtcatccctc	tgggtggccg	gaatgacctt	60
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gtcaatgaaa	agggtctcca	gcactatgtc	aagttcgtcg	acgacttgct	cgcggcgggt	120
attactcctc	tcgttaccat	cttccactgg	gatcttcccg	acgccctcga	caagcggtac	180
ggtgtcttct	ga					192

<210> 11300
 <211> 336
 <212> DNA
 <213> A.fumigatus

<400> 11300						
cctccccgtg	gaccagatcg	tgaacgacga	cttccgtgtg	caatatttcc	gcgagtatat	60
cgctgccatg	gcggacgctt	acacccctgga	cggtgtgaat	gtccgcgctt	acatggcgtg	120
gagcttgatg	gagtaagttt	tgtcttcgac	tcagaggtag	cggtccacct	ggctgacaaa	180
tcttctttcg	tatgcagtaa	cttcgaatgg	gccgaaggct	acgagaccag	atttggcgctc	240
accttcgtcg	actacgcaaa	caaccaaagg	agaataccca	agaagagcgc	caaggtcctc	300
cgcgagattt	tcgatcaata	catcgagaag	gcttaa			336

<210> 11301
 <211> 252
 <212> DNA
 <213> A.fumigatus

<400> 11301						
ctaattgtcg	ctgttatctt	cttatctagc	taccaaattg	agggagctgt	ggatgaagac	60
gggcgaggcc	cgtctatttg	ggatacattt	tgcaaaatcc	ccggcaaaat	tgccggtgga	120
gcctctggcg	aggtggcttg	cgactcctac	caccgcaccc	atgaggatat	tgccctgctc	180
aaggagtgtg	gtgcaaaggc	ataccgtttt	tctatctcat	ggtacatctt	ttgcacagcg	240
tccgggcact	aa					252

<210> 11302
 <211> 669
 <212> DNA
 <213> A.fumigatus

<400> 11302						
gattggcatt	accttgaatg	gtacgagttc	tggcctccat	gtgcacagct	tgatgaagta	60
gttactgata	aagtcccagg	tgactgggct	gagccgtggg	accccgagaa	ccctgcggac	120
gtcgaagcct	gcgatcgcaa	aattgagttc	gctatctcct	ggttcgtctga	ccccatctat	180
cacggcaagt	acccagacag	catgggtcaa	caattggggg	accgcctgcc	cacctggacc	240
cctgaagata	tcgccctcgt	ccacggcagc	aacgatttct	acggcatgaa	ccactactgc	300
gccaaactaca	tcaaggccaa	gacgggacga	ccggacccca	atgacgtcgc	cggaacctg	360
gagatcctcc	tgacagaaca	gaacggcgaa	tggatcggtc	ccgagacaca	gtcacctggg	420
ctgcgtcccc	accccatcgg	gttccggaag	ctgctgaagt	ggctcagcga	tcgctacaac	480
cagcccaaga	tttacgtaac	cgagaacggg	accagtctca	agggcgagag	tgacctcccc	540
gtggaccaga	tcgtgaacga	cgacttccgt	gtgcaatatt	tccgcgagta	tatcgtgccc	600
atggcggacg	cttacaccct	ggacggtgtg	aatgtccgcg	cttacatggc	gtggagcttg	660
atggagtaa						669

<210> 11303
 <211> 468
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (266)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11303

aaaggggtctc	cagcactatg	tcaagttcgt	cgacgacttg	ctcgcggcgg	gtattactcc	60
tctcgttacc	atcttccact	gggatcttcc	cgacgccttc	gacaagcggg	acgggtgtctt	120
ctgaacaagg	aagaatttgt	cgccgatttt	gccaactatg	ctcgcgtaat	gttcaatgct	180
ttcggctcaa	aagtgaagta	ctggattact	ttcaatgagc	actggtgcag	cagtgtgctt	240
gggtacaatg	tcggccagtt	cgcccntggc	aggaccagcg	acagtaccaa	gagccccgtc	300
ggcgacgggt	cgcgcgagcg	atggatcgtc	ggccacaaca	tcgttggtgc	tcattggagcg	360
gcagtgaaga	tttacagaga	agaattcaag	cccagagacg	gtggtgagat	tggcattacc	420
ttgaatggta	cgagttctgg	cctccatgtg	cacagcttga	tgaagtag		468

<210> 11304

<211> 1260

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1217)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11304

cacagactgt	gccccatgtcc	ctccactat	tctccaggcc	tccctctccc	cccaaatttt	60
aattataatc	gcctccatta	ttattgtttt	cacctcaatt	cccacaactt	tctcccttct	120
ccatcattat	tccatccacc	aactcagtcg	catatctcgg	aaactattct	attcaacagc	180
gctcatttca	aaatctaccg	tccacacatt	tttatttttc	tctcgcgttt	gactgctgac	240
tggaaactccc	ccggcgcaaa	ccacttcgcg	cctggcgcat	tccctctggtg	cgcgcacaca	300
aagccattcc	cttcattcaa	caccacgact	atcagatcta	tctatactat	ccttcattcc	360
gtgtctctga	tacattggat	atccaaatac	gcaactatgt	tgctcccttc	cgcgcttccc	420
tgcgacatgc	gacgtccctc	aacccggtcg	cgcttcacac	ccaatcgctt	cttctcgaca	480
cctcctccgt	ccgacaacga	cttctttcca	tcaagcaatg	ggttactagg	aacctgtcgc	540
gcccttcaat	ctcttctaag	tggctctccc	gcgcgcctt	cgcgacgagc	caaaccagaa	600
cgtctccaga	gccccttcca	tctcgcattc	tccacaacct	cctcatcctc	cacgcggccg	660
cgaaagccaa	agacacaaa	acgctctcaa	cgcttctctg	ctaaaacatc	gtcaaaactc	720
gctcgcgcgg	caaacagcgc	cacgcgcgcc	agctacgaag	ccgacagcga	cgcggtactc	780
gaagaccaca	ctccacgctc	tcgattctcc	accccaaaac	gtcgtcggta	cgtcccttac	840
gatctcccc	tgggcctatc	gcaatcagac	ttttatactt	tgaattcacc	accaaccaca	900
caatccccgc	cttctcctgt	accgcgcgca	cagcaagggc	tctgcgacga	ggtgcgcgca	960
ccgctgccgc	cctcgccatc	gccctcctcg	cagtcgcagt	ttgatcccg	tgcagcgcta	1020
ccgtccattg	aagaaatagg	gccagaaact	tggacgtccg	aagatgacca	acaacttgtg	1080
gaggtggtcc	tagaaaagtt	tcagctttcc	aagcgcgact	gggacgagtg	cgcgcgccaa	1140
ctcggcaagg	atcaggatag	cattgggcgc	aggtgggaga	cgctgatcgg	agagggcaac	1200
gtgggattgc	gacgcgnacg	acggatggtc	cgtggtcgaa	tcgatgagag	ttggctgtag	1260

<210> 11305

<211> 270

<212> DNA

<213> A.fumigatus

<400> 11305

cttatcgccg	tttgcggaac	tccacactca	gactgtgaca	cagactgtgc	ccatgtccct	60
cccactattc	tccaggcctc	cctctccccc	caaattttta	ttataatcgc	ctccattatt	120
attgttttca	cctcaattcc	cacaactttc	tcccttctcc	atcattattc	catccaccaa	180
ctcagtcgca	tatctcggaa	actattctat	tcaacagcgc	tcatttcaaa	atctaccgtc	240
cacacatttt	tattttttctc	tgcggtttga				270

<210> 11306
 <211> 264
 <212> DNA
 <213> *A.fumigatus*

<400> 11306
 tggtccttcc agccgcgtgg tgaagacctg acgagcatga cgaatcacao ggcgtggagc 60
 cggccgcccgc tgagtctgtc gttcagctctg ttgatgttca ccagtagtgg gttgctggtg 120
 cggatatctca aagtgtttga gaagagcaac tacagtagtg tcaagtgggt gcggtatatg 180
 actcgtgcgg gcagctatga aatcaggtac tttacctcct ccttgggtcc ccctgtttat 240
 atgcgactct cagagcgtga ctaa 264

<210> 11307
 <211> 216
 <212> DNA
 <213> *A.fumigatus*

<400> 11307
 tcgagaccct ctcttgcccc acttcgactc ggccttggag tcttggacat cacagacaca 60
 agtggttcaact tgcttttatcc agcagctatt atgcgctcca ggtactctgt cagtactaag 120
 acaggcaatc cagtgggcga tattgaaagc ttagacacca tggccacact ttctaagatc 180
 aacattgact tacacacccg cattcacagc tgctga 216

<210> 11308
 <211> 807
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (36), (286)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11308
 acaatttccg ggccgccatg gaggtcgtct gcattntcag gcatctctcc caggccaaca 60
 atcacgcttt ggggatattc tgggggaagt ctggcgagcg gattagctgc agaacttcgg 120
 ggttggtatg cgccagagct caacattgcc gggcgggcgc ttggaggagc agttccaaag 180
 atcatgccgt tgttcaacac agtcaacaag ggcataatg caggactcct tcctgccggg 240
 atgcaaggcc tctttaatga ataccggcc atcgaaaaaa ttcttnatga tcatctcggt 300
 cccgctaaga aggcagactt tgtgaagacc aagaacctgt gcatcgttga agacctcctc 360
 acatactcat tccaggactt ctacagatac atcacagatg cgaatatgct aaaagatcct 420
 gaagtgcacac gagttcttgg cgaataatgca atgggacagc atgtgcccga catcccgttg 480
 ttcgtctata aatccaccaa tgatgatgtg agtccggctg gtgatacggg tgccttggtt 540
 tctggttact gtgctgccgg tggaaaagtc gaattattaca gggatgagct gtcgaatcat 600
 gcgacaatgg cagtcacatg agtcccgaat gcgctgttgt ggctgaagga tcggatgaac 660
 ggagttcctg ctgctgctgg ttgcaagacg caaacgccc taacaggact gctagatccc 720
 cgaaccttag ccgtcctggg tattgatctg atcaaggtcc tcctggcctt gttgtcggca 780
 cctgttggga catttgtaat tggatga 807

<210> 11309
 <211> 273
 <212> DNA
 <213> *A.fumigatus*

<400> 11309

cggttggtccg	tcagggtcat	aaagccatgc	aaaggatcaa	tgacgccagg	gcgagggtca	60
actcagtgc	aggatagttt	ctgggggctt	gaagaagttt	gtaaaatact	attactgact	120
agggacagaa	agaccatata	ttttggagac	atcgggcggg	atgcaaacac	tattaaggaa	180
ttctttgggt	gcatataaac	cccttggtcca	cctaaagcaa	atccagtggg	gcatataaat	240
gatgtggtga	cagggatggg	aggtgatggt	ttaa			273

<210> 11310

<211> 381

<212> DNA

<213> A.fumigatus

<400> 11310

gtttctgtca	tacatgtcat	atgcactcgg	cagacggcta	gtgcatgtca	ctcagcgagg	60
caaatgctaa	ctccactcgc	attgcagggt	tctcccatcc	aaaatgcagt	gtacctcatg	120
tcgatggcta	tcactgcggg	cgcgcgcacc	ttgcaccagg	tccgcgcaac	cgtaaggcc	180
ggcttcatgc	ccgtgatgaa	ggtcagctgg	atcacgtcgc	ctctggcgct	cgctttcgcc	240
cagaagttcc	ttcccgaaca	cacctgggtg	cctttcttca	acattatcgg	attcttcatc	300
ggaacctacg	tcaacactca	caccaagaag	aagcgcttgg	aggctctgag	aaaggtacag	360
tcaacttctc	gtactaagta	g				381

<210> 11311

<211> 204

<212> DNA

<213> A.fumigatus

<400> 11311

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<210> 11312

<211> 1593

<212> DNA

<213> A.fumigatus

<400> 11312

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<210> 11313

<211> 630

<212> DNA

<213> A.fumigatus

<400> 11313

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catgagcttg	actgectact	cgctcgctctc	gaccttcac	acgggaagca	cagggccaaa	240
agtctctctc	gtcatgacac	gcataattgtg	attgacgcct	gtcagcaatg	tgggcttgac	300
gtaattacca	tgggcaggaa	gattgtcgaa	cgtctcgttg	gcaggggttt	cgtcccgcgc	360
gcccttctcg	accgcctcag	cgatatgtgc	caaaatcgct	tccttcgcgc	gcttcgagat	420
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cgcgccaccag	ctctgaccac	tgttgaagat	tgccccatca	acaatcttcc	tccgccgtcc	600
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<210> 11314

<211> 183

<212> DNA

<213> A.fumigatus

<400> 11314

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acgaggcatt	cccgctccc	atctcctgtc	acagggcggc	taaggattgc	gcgccaacga	180
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<210> 11315

<211> 414

<212> DNA

<213> A.fumigatus

<400> 11315

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gtgaagaggg	tggttagcaa	atattgtgtt	ggggatccgt	cggagaagac	tacacagatt	180
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ggtaattacg	tcaagccac	attgctgaca	ggcgtcaatc	acaatatgcg	tgctcatgacg	360
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<210> 11316

<211> 396

<212> DNA

<213> A.fumigatus

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tctgact	acc	ctagccc	ggt	aagtag	cgc	cactct	ctgg	ttcaggt	tcc	aacgaag	atg	180
acgatta	aaca	tgtctct	tagg	accttg	catg	gaccggt	tgg	aagaact	ctg	gtcgtg	gtgt	240
cacgttg	agc	aagttc	gggt	tcgag	caatt	cgtcaag	ctc	aagagct	atc	atgtca	agga	300
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<211> 1284

<212> DNA

<213> A.fumigatus

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cctgtatatg	tgcattgcgt	tccattagct	ggcgggtgtga	ttactgtgct	gactcagccc	1260
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<211> 498

<212> DNA

<213> A.fumigatus

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cccagaccg	agcgttcaac	cattctaaat	gacatgtttt	tacagctatg	gattctctac	240
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gtcgccagc	tcaagcgcga	gatgaacaac	accagctcgc	aagatgagtt	tgcaaagtgg	360
gctaagttga	ggaggaagca	tgacaaagct	atggatgaat	atgaggcaat	gagttcgtat	420
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<210> 11319

<211> 444
 <212> DNA
 <213> A.fumigatus

<400> 11319

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<210> 11320
 <211> 972
 <212> DNA
 <213> A.fumigatus

<400> 11320

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<210> 11321
 <211> 258
 <212> DNA
 <213> A.fumigatus

<400> 11321

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ccgggagtag	cttcgggagc	ggcgacaccc	gcttcattgc	gaagcgcacg	aacacgagcc	180
cacgttgtac	ctgcaacgag	gatattctct	ggtcgcaggg	taccacgtcg	gatgagagcc	240
gtcgcaacac	gtccatag					258

<210> 11322
 <211> 1470
 <212> DNA
 <213> A.fumigatus

<400> 11322

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<210> 11323

<211> 189

<212> DNA

<213> A.fumigatus

<400> 11323

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<210> 11324

<211> 1581

<212> DNA

<213> A.fumigatus

<400> 11324

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<210> 11325

<211> 858

<212> DNA

<213> A.fumigatus

<400> 11325

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<210> 11326

<211> 1497

<212> DNA

<213> A.fumigatus

<400> 11326

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ggctatgtga	tattttatcc	agcgatgttg	ggcctctact	accgcaacac	atggagcgca	600
aagtcattcc	cattcatgtc	aacgtctttg	ttcaccagca	acggcaaaca	attctccacc	660
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gcaggcgatc	acctgggccc	tagcgcggga	cgtctacggc	gtgaatggac	ggtatctcat	1440
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<210> 11327

<211> 939

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (26), (140)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11327

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gtctttacgg	gcccgtctn	tgctcctttc	atcgggtggc	tcacgttgga	aagttaccta	180
ggctggcggt	ggacggaata	tctcactgga	atcatgggtg	cctcagcttt	tggtctagat	240
ttgttctttc	tggaagagac	atatacctca	gtagtgcctg	ttgggaaagc	tgctgagcta	300
cgtcggcgaa	cgagaaattg	gggcattcat	cggaagcaag	aggagatcga	ggttgaattt	360
ggagagctga	ttcgcaagaa	tttcagtcgt	ccactacgga	tcttggtcac	tgagccgac	420
tgctcctgc	taagcatcta	catggcattc	ctctatggct	tgctatatct	atttttgacc	480
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<210> 11328

<211> 321

<212> DNA

<213> *A.fumigatus*

<400> 11328

tgctgcttca	gccctggctg	caaacagtgt	tttgcgttct	atagctgggtg	caggattccc	60
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tcgtttcggt	ggctaacacg	cgcacagtgt	aatgctctag	gcgtcaactg	gacagggact	180
cttcttggtg	gcgttgctgc	catcatgatg	ccgattccac	tcctgttcta	tttgtacgga	240
cccaagatcc	gtgagaaaag	caagtttcgca	atggaatata	tcgtagccgc	tcaggctcac	300
aacgatgagc	gcgcggaatg	a				321

<210> 11329

<211> 1158

<212> DNA

<213> A.fumigatus

<400> 11329

atactaaccg	acttcaagac	ctacagaggt	ttatgggttt	ctcccaatgg	cttgccgtac	60
caagcgagat	gcgtcgctgt	gacgtgaac	ctcgtattct	gtcagccttc	agacctcgg	120
ctctttcccc	ctgtcacaca	tttggagtcg	gcaaagatag	tagccttcca	gtcagagagc	180
aattcaagat	tgagagccat	catcaccaca	cgcaatagga	tgtctcgcat	cactccccgg	240
acccatcaaa	catatgacta	cgagccccctg	cccagccccg	catcaatccg	actcctacgg	300
gtcgatcaca	aagacccccga	tggcctacta	cactgcacca	tcaagaacgt	cgatctgaga	360
gatgagccgt	tataccatgc	catgtcctac	acctggggca	acccccatag	cgaactcgcg	420
caggtccagg	aaacccggga	cagatattca	gacaattatc	ccccagagca	cagagaatgt	480
gtatctgtca	aaggaaagtt	gttatacatc	actcgaaatg	cgtacgatgc	gcttctctcc	540
gtccccagag	acgcatgggc	gcaatgctgt	aacagaggtg	atcggaggaa	acttctccgg	600
acctcgcttc	attgggcgtc	tattgccggg	aaggaagacc	tgattgagcc	gcttctctgc	660
tccggtgtgg	atgttaatgt	gagagatgaa	tggggcggtta	cgccgttgag	ttacgcagcg	720
caggtgggaa	gccgcgaagg	ggtcgagttg	ttactttctg	ctggtgcgga	tgcgggcatt	780
gtggataatc	gggggaatac	tccgcttgat	tatgcgaggg	aaggtaacta	ccaggggatt	840
atccagtccc	tggaagaggt	tatgcagaag	ggggggagac	tcgagccgcg	agtggattgg	900
ccggaaggcc	cagaacgatg	gtgctggatt	gatcagatgt	gtatcaatca	ggatgatatc	960
cgggagaggg	gcgcacaggt	tgcgatcatg	gatcagatat	acaacaacgc	agcgtttact	1020
cttgtctggc	ttgggcccga	ggatgcctac	accgatacgg	cgataaagac	catcgagaaa	1080
ctggataccg	cggcaggaga	cttcatccaa	agcaaggaga	tacatccata	tcgagagcaa	1140
cctgaggaga	tctacgct					1158

<210> 11330

<211> 270

<212> DNA

<213> A.fumigatus

<400> 11330

cccagatgca	accagcaccg	attacacccg	gaagaggatc	taccaagcaa	cgtgccaaaca	60
acggcccaat	tgcgacacca	cccaacaata	gtcactcgaa	gcgttccgcg	cttggagaga	120
ttgaccacaa	tgagggtgct	ggaacgcaaa	gtgaagagta	ccttcctgct	ccgactcctg	180
gccaacctcg	caagtcccat	cgggaaggact	ctcgtcatca	tccctatgca	cgcaccacgt	240
ctggaactct	ccttctggac	aaagacatga				270

<210> 11331

<211> 567

<212> DNA

<213> A.fumigatus

<400> 11331

ccacttgagg	tcgcagatcg	cctgtacctc	gcttccctacg	actccccacc	tgatccaaag	60
gctccgttcc	ccttccctct	cgaacaagcc	aaatctccca	gcaaacgatc	cacgcgaggg	120
cagccccaga	cgctagcaa	aaagcggtag	cctgtatatt	tcaccgcaga	cgatactcta	180
ttttataact	ccttccatgc	agacttcgga	cctcttcata	taggacatct	gtatcgcttt	240
gcggtccatt	tccacgagat	tcttggcgag	cccgcgaaca	aagatcgcg	ggtggtgttt	300
tactcgaaga	gtgattcacg	aagtcgtgcc	aacgcagcat	gccttgtcgc	ttgctatatg	360
gtcctcatcc	agtcttggcc	gccacatctt	gccttggccc	caatcgacac	ggctgatccg	420
ccgtacatgc	ctttcaggga	tgcggggtag	agtcaggcag	atttcacttt	gaccatccag	480
gacgttgtgt	atggagtatg	gaaggcgaag	gaacagtcgc	tttgcagtct	gagcagcttc	540
agccttgaag	agtatgtata	tgggtga				567

<210> 11332

<211> 1290

<212> DNA

<213> *A.fumigatus*

<400> 11332

ccttttcgac	ccgcactgac	aggccttgct	agatacgaga	agtttgaacg	ggtcgacatg	60
ggcgacttca	actggataac	ccctcagttc	ctcgcccttcg	cctccccgca	gcatgaacct	120
gtcgactaa	tcccttccaa	tacccttgaa	tatgctgcgt	tgccatcaac	agtttcccaa	180
gtaatctcgt	cgaagctgcc	acttccattc	aagaatgtac	tggcgcattt	cgcgacgcgc	240
aatgtgggtc	tggctgtacg	actgaactca	gagctgtact	ctccgtcata	cttcacggct	300
ttgggaatca	accacattga	catgatat	gaagatggta	cttgccccc	attgccgttg	360
gtacgaaggt	ttatcaagat	ggcacatgag	atgatcacag	tcaagaataa	gggaatcgca	420
gtccattgca	aagccggtct	gggtcgtacc	ggttgcttga	ttggtgccta	tcttatctac	480
cggtagcgat	tcacagccaa	cgaaattatc	gccttcatga	gattcatgcg	tcccggcatg	540
gtggttggtc	cacagcaaca	ttggctgcac	ctgaaccagg	gctcattccg	cgaatgggtg	600
tttgaggata	gcatgaaaga	gaagctagcc	cagatgcaac	cagcaccgat	tacacccgga	660
agaggatcta	ccaagcaacg	tgccaacaac	ggcccaattg	cgacaccacc	caacaatagt	720
cactcgaagc	gttccgcgct	tggagagatt	gaccacaatg	aggggtgctg	aacgcaaagt	780
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cgatcatcat	cctatgcacg	caccacgtct	ggaactctcc	ttctggacaa	agacatgaac	900
aagactgagg	agcagaccag	gcagcgcagt	tcccgctcca	gtaatgacag	tagcgaaagt	960
gaagaggaaa	tccaactgcg	catgttggcc	aagcgttcc	ctcgatcgcc	cgtggcatca	1020
ccaagccagc	gatccgtcag	ttactctgct	acagtgactg	ccagctacac	attgacagat	1080
gacatccacg	aggacagaga	gaactggggt	gaagctggac	atgctgcacc	aaagactccc	1140
ctgagcagta	agagcgggag	tggcgcatt	tcggtcacca	aagttcgtac	aagccctcgg	1200
cgagtgaccg	acagcagaag	cgcctccaaa	ggcgttcgca	agatcagtg	ccgaatcggt	1260
agcacaggga	gtccacacg	cgtcaagtga				1290

<210> 11333

<211> 207

<212> DNA

<213> *A.fumigatus*

<400> 11333

agatatgccg	ggtacagtac	atgctaccga	aaggaggccg	gtgctcatgg	aaaagatgcc	60
tggggtatct	ttcgcgtcca	tcaatttgag	aaggtaactt	ctgataacct	tgtcatcggt	120
cgtctacttg	cttgctcatg	catccctagg	ttgaacaatt	cgttcttacc	aagcctgaaa	180
actcatggca	agtttttgag	gagatga				207

<210> 11334

<211> 450

<212> DNA

<213> *A.fumigatus*

<400> 11334

catttttcaa	acattaaatt	caccttggaa	cctttcctct	ctagctttaa	ttgctccata	60
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gcgacatctg	ctcgagaaat	aaatatacgc	cgagacctca	acgtctctca	gaatccgaac	180
ctttccacat	ccccaacggc	atcctttcag	tctgcacct	cgagtcatgg	agggctctga	240
tttgaggcc	gcgccattcc	attagccaat	gcaaagcatt	taaaaccttt	cgctacagag	300
gacatcaagg	tgttgcttct	ggagaacgta	aatcaaactg	gcccgcgat	tcttacggga	360
caaggctatc	aagtcgagtt	cctcaaatcc	tctctcccgg	aggatcaact	aatagagaag	420
atacggttcg	tttggccgaa	ccttttgtga				450

<210> 11335

<211> 405

<212> DNA

<213> A.fumigatus

<400> 11335

ggtgaacaat	tcgttcttac	caagcctgaa	aactcatggc	aagtttttga	ggagatgatg	60
gccacgtcag	aagagtttta	tcagtcgctc	ggtcttccat	atcaggtcgt	agccatcggt	120
tcaggcgcat	tgaacaatgc	tgcgtcgaag	aaatacgacc	tcgaggcctg	gttcccgttc	180
cagggtgaat	acaaggaatt	agtttcttgt	tccaactgca	ccgactacca	ggcgcgagct	240
ctggaaatac	gctatggcac	aaagaaagcc	actgatgtca	agaaatccta	tgtccacgcg	300
ctcaatgcta	cgctatgtgc	tacagagcgt	acgctttgtt	gcatacctga	gaattatcaa	360
actgatgatg	tatgtgtcga	aacgagccat	ctaataatggc	attga		405

<210> 11336

<211> 246

<212> DNA

<213> A.fumigatus

<400> 11336

atcagtgatg	tgcatgtgat	tggcatccgc	tcgaagacaa	agctcacatc	ccgcgtcctc	60
aaggaagctc	gcaatctaata	cgctcatcggg	tgtttctgta	ttgggactaa	ccaggtcgac	120
cttcaatacg	cagccgagca	tggcattgca	gtgttcaatt	ctccgttcag	caactctaga	180
agtgtggccg	aattgggtcat	agctgagatt	atgtcttccc	acagggggcc	ggccatccgc	240
gcatag						246

<210> 11337

<211> 957

<212> DNA

<213> A.fumigatus

<400> 11337

cttggctcac	gtccagcatg	gattcgatct	tacgaagttg	cgaacgatga	agccgaggcg	60
tcgggtacag	caagactcct	acccccgcaa	cccgggtgatg	ccctcgttgc	ccaacataac	120
cactcccctt	atacgacaac	gagaccagac	tataccggag	agcaaggttt	tgacgaagag	180
actggcttag	gcccacgtcg	cgaatcccgg	tggaaatctt	tctcaaaggc	aatcgccctat	240
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acggacttct	cgagcccatg	gcgagggcaa	ttggagccga	gtgaagatac	cgaggatcct	360
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gcccttggag	gatctataca	gcatctctca	gacaagtacc	aacaccctca	aggtccgtcc	540
gccttgatgg	ctattattgt	ggatgcagtc	gcgctcgtct	atctaatact	catcacatgg	600
gacgaataca	ctgccaaacc	actagggcta	cgctctccgg	ctgccaaaggc	ccgactgatt	660
ctcctggata	tattttttat	agtgttcgac	tcagcgaacc	taagtatagc	attcgaatca	720
ttgtccacgg	tcagtggcgc	gtgtacgctg	gcagagatca	atcagcagat	ttccaagaag	780
aataatgcaa	tatgtgacag	gcaaatagcc	cttgccctgcg	tctgtctggg	tgctctgttg	840
gcttggctca	taacattttc	aataagtgtt	cttaggtatg	acacacctta	ttctaataaa	900
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<210> 11338

<211> 198

<212> DNA

<213> A.fumigatus

<400> 11338

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aactcatcca	cactaacctt	accatcgagg	attcctgtct	tggtcagcac	tgtcttctca	120
tcccatgcga	ctattgactt	aaaacttacg	attgactgca	ttgaacaatg	gaaaatcgtc	180
cagcttgcca	tgcgttga					198

<210> 11339
 <211> 486
 <212> DNA
 <213> A.fumigatus

<400> 11339
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 cgaccggcgg agcacgaggc gatcagatcc gcaacaccgg cgctctcttc ggtaaagggtc 240
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 atccggatga tggccgcctt ggaactctca ccccagccct taccgcgcgac gaagccggcc 360
 gccagcgcga cgatgttctt cagggcgccg cacagcgcca cgcccgcac gtcggcaacg 420
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 gggtag 486

<210> 11340
 <211> 468
 <212> DNA
 <213> A.fumigatus

<400> 11340
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 agtgtcttgt cgatgaactg gtgcgggagg ttgaagacga ggatcgtggc gtccttgacg 180
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 acctcttctt cgaagacatc gggatgttcg cgagtgtttt cggccaggat tttggcgatc 420
 gtcgatcccc tttcatcatc agccactgca atcatttata aaacttaa 468

<210> 11341
 <211> 315
 <212> DNA
 <213> A.fumigatus

<400> 11341
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 tctccccga taaccgccac gtcacaaaca agcagcgcca gcgcaagatc tcatctacct 180
 ctgctgagct gcagcgcgtg ccggatgact acccctgcgt cgacgagagg ctgctgcgcc 240
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<210> 11342
 <211> 600
 <212> DNA
 <213> A.fumigatus

<400> 11342
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 atcaagttca actccgcaga ccatctcttc gcctccttcg aagacaccat gaccagatc 180
 ggctgtctcg tcgacgcagg catcgatttt ctgaagtaa gcggcggatc atacaggat 240
 cccaaggtgc gtccactcct cctctcccc caccctacca caaggaatac aaccctgaca 300

agaaacacag	atgatgggca	ccaactccca	accccgccg	gaaaagagcc	agcgcacgct	360
cgcgcgcgaa	gccttcttcc	tcgaattcgc	ccgcgaaacc	cgcaagcggt	tcccgaccct	420
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gaacgcgatg	gatctgatcg	gcacgcggcg	gcccgcggct	gtggaaccgg	ctttcgcgaa	540
ccggctgctg	gacgagagtg	tgcttgccga	cgaggccgag	atgcacctgg	gcaagggttaa	600

<210> 11343

<211> 216

<212> DNA

<213> A.fumigatus

<400> 11343

aaagctaaat	ggatgtgggc	taacgtatcg	atgacgtcga	tcttgaacac	ggctgcagcg	60
gataacctca	cgcacctctg	tttgaatgtg	actggcaagg	tgatttcacg	aattgtcacg	120
ttaaagtgtt	attgtttgta	tatatatagg	cgggtctgtc	ctcgtctgtg	ctttctaggt	180
tgcaacagca	gtaatgattc	ctcctatgca	aatga			216

<210> 11344

<211> 204

<212> DNA

<213> A.fumigatus

<400> 11344

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gataccgtga	cgaggcagtt	tgctgatacc	gcgcggatga	tggccgacgc	gggggttttcg	120
gggattgagc	tgcatgggtg	gcattggctat	ctgataggta	tgttctgttc	tgccgttctt	180
ccgtttctga	ggcattgtaa	ctga				204

<210> 11345

<211> 414

<212> DNA

<213> A.fumigatus

<400> 11345

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ctcactctca	tgctcacagg	cggattccgc	agccgcgcgcg	gcgcagagca	cgccttgcgc	180
gagaacgcat	gcgatctgat	cggcatcggc	cggcccgcgcg	ctgtggaacc	ggctttcgcg	240
aaccggctgc	tggacgagag	tgtgcctgcc	gacgaggccg	agatgcacct	gggcaagggt	300
aagccgccgt	tcttgctgcg	tttgctaccg	attaaggcgg	ttggggcggg	gttggagagt	360
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<210> 11346

<211> 1149

<212> DNA

<213> A.fumigatus

<400> 11346

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actcgcgaac	atcccgatgt	cttcgaagaa	gaggtgcaga	tgtgggtggt	cgagaagggg	120
gtgactatcc	ccaaagactc	gccgcaccgt	gaggccctcg	gcgaccagac	gcacaagtgt	180
acggacatca	tcaaccacgt	ccacgagaac	gtcaagtacc	tccctggcac	cgcgtgccc	240
agcaacgtcg	tggctaacc	agacctgcgc	gctgccgtca	aggacgccac	gacctctgtc	300
ttcaacctcc	cgcaccagtt	catcgacaag	acaactcgagc	agatgaaggg	ccaccacctg	360
ccatacgcac	gcgccgtctc	gtgcgtcaag	ggcgtcgagg	tcgcaaaccg	gcgggtcacg	420
ctcttctcgg	agctcatcat	ggaacagcta	ggcatctact	gcgggtcggt	gtccggcgcc	480

aacatcgccc	cggagggtcgc	cgccgaggag	ttctgcgaga	ccaccatcgg	ctacagcccg	540
ccgcccattg	acctcgacgc	gaaggacgag	ctctcccccg	ataaccgcca	cgtcatcaac	600
aagcagcgcc	agcgcaagat	ctcatctacc	tctgctgagc	tgcagcgcg	gccggatgac	660
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cagaagacct	ttaccgagga	gagcgccggt	gttgccggtc	tgatcgcttc	gtgctccgcc	960
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gagcagtcgg	agctgaacgg	gcaaaagtta	caggggacat	cgactactcg	cgccgtgtgc	1080
gattttctgt	caacgcatgg	caagctggac	gattttccat	tgttcaatgc	agtcaatcgt	1140
aagttttaa						1149

<210> 11347

<211> 213

<212> DNA

<213> A.fumigatus

<400> 11347

cgccccagag	tcgacttttg	caaggagat	aaccgggtt	accgcaagga	gtctaacgag	60
ccttgcgaaa	cgcttgatac	ggatttcgat	tctattacag	aatcaaaacc	aatgatgctc	120
gacgatagg	atgttgtatg	tagtgaagg	ctgttgtgtt	gtgatagcgg	accggatttc	180
ggaaggatag	ccgggattga	cagtgtgtgt	tga			213

<210> 11348

<211> 189

<212> DNA

<213> A.fumigatus

<400> 11348

aaccgaaaaa	agaaaaggaa	aaagaaaata	gtaatgaaaa	tcaaaaagg	agataactcca	60
tactacaaag	aaaacgtgct	cgaatcagct	ctgctcacac	tgtacaagat	cattcagaca	120
atatatcctg	gaaaattatc	tgcaaatttc	ttctccgact	tttcccttgc	acctactgta	180
tctccctga						189

<210> 11349

<211> 282

<212> DNA

<213> A.fumigatus

<400> 11349

catgtactcg	catcgctca	agcgcttcgag	acccaactct	cccaactcga	cagctccctc	60
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gcccgcctac	tctccgcggc	taaggccctt	cgggtaccagc	gagttacaac	tcccttcaat	180
tcgtcacttg	tcacttcac	atacaccgc	cttggtctca	atggaaccac	agcccgaagg	240
acccaactac	tacagtccta	ctcagcccca	tgtgggtcct	ag		282

<210> 11350

<211> 1239

<212> DNA

<213> A.fumigatus

<400> 11350

gtcaagcgtc	acatgccgcc	accagcatcc	tctatgggtt	tttctgatct	actgaaccct	60
cagaaccag	agtcaactcc	ttcgacacct	gcgagcaagt	cgctcggtcc	ctcgaccca	120
tcaactgaac	agtcgaactc	gaacatggcc	tcctctgtaa	gcctgctgcc	ccccctgatg	180

aaggggagcgc	gtccggcgaa	cgaggagccc	cgtcaagatc	ttcctcgacc	ttacaaatgt	240
cccctgtgcg	accgcgcatt	ccatcgtctg	gagcatcaga	ccagacacat	tcgcactcac	300
accggcgaga	agccgcacgc	ctgccagttc	cctgggttgc	caaagcgctt	cagtcgatct	360
gatgaactca	cacgccactc	gagaatccat	aataatccaa	actcgagacg	caacaacaag	420
gctcagcacc	tggccgctgc	cgccgcgcgc	gctgcagcaa	atcaagataa	tgctttggcc	480
agcaacgctg	cgtcaatgat	gcgacctcca	agcaagccca	tcacacgacg	tgcgcctgtc	540
tctcaggtcg	gctctcctga	tatctccccc	cctcattcgt	tttccaatta	tgcggggccat	600
atgagatcaa	atctgggttc	ttacgctcgc	aacagcgatc	gtgcatcttc	gggcatggac	660
atcaatctgc	tggctacggc	tgctttctcag	gtcgagcgtg	acgaacatta	tggattccac	720
aatggcccgc	gcgggcatca	tatcttcggc	tcacgtcatc	acaataacaa	ccgcctgccg	780
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tcttcaccta	cattctctca	cgactctctt	tctccgaccc	ccgaccacac	tccgctggcg	960
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attcgtcact	tgtcacttca	tcatacaccc	gccttggttc	caatggaacc	acagcccga	1080
ggacccaact	actacagtcc	tactcagccc	catgtgggtc	ctagcatcat	tgacatcatg	1140
tcgaaaccgc	gactggaagc	agcgcaaact	ccccgttccc	caagttacca	aatgtggccc	1200
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<210> 11351

<211> 519

<212> DNA

<213> A.fumigatus

<400> 11351

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ttttaccctt	tccatttttt	gccgccccga	attttttacac	cccacacaac	acaaagtacg	120
tcgtcatatt	ttttcctttt	ttttttttct	ttctttcttc	tttggttttt	tttttttttt	180
accttgggtc	ccgattccga	taaaacccct	ccattctata	ctcccttctg	ctttttctcc	240
cctcctgagt	ctccattttc	ctctttcttc	cctccatttc	ttattattct	cttcgggtg	300
ttccttttta	ttccctttct	ctctccccc	gaccaacttc	tcagacttt	ttccctcatc	360
tttcttttga	ctctagtctc	tttgacttca	cctactcggc	tcaacacaca	ctgtcaatcc	420
cggctatcct	tccgaatccg	ggtccgctat	cacaacacaa	cagaccttca	ctacatacaa	480
catccctatc	gtcgagcatc	attggttttg	attctgttaa			519

<210> 11352

<211> 330

<212> DNA

<213> A.fumigatus

<400> 11352

gccacggcta	taaaatacat	acacacacac	acacacacgt	accttgtgga	ctgttggtac	60
ttttacaatg	atgacggagc	acatgccgcc	actcccacag	cccctaaaag	ttgccccac	120
tgcgctatcc	ctagtatagt	aaatttaaaa	tattccatag	aggacggagt	ataccgtcct	180
atatattcgg	agtatattat	agtaagctat	aggataaaa	taaataataa	gttaaggagt	240
ttgaagtatg	tagactactc	taaagtctac	tctaggggga	cattaaatgg	tgaatcacac	300
cacgtgatag	acaactgcag	gccagggtag				330

<210> 11353

<211> 705

<212> DNA

<213> A.fumigatus

<400> 11353

caggcttgcg	tgcgggtttca	tatatctttct	tctgcccttc	cgtctctttt	atcttctgct	60
ctttcccaact	cgaggggttc	aatgtccaac	aacacaatgg	tcaacatgtc	gatcgaaatg	120

aaatatgaca	atgatgacac	taccagccca	gacccaaaagc	tccccgggtct	ggaagctctc	180
gaaatgggtca	aaggcgagcgc	cagcgctcgtg	gccgaaattg	aaccgagttc	cagtgcgagc	240
tccatcatgg	gaagcagaga	gcatacagag	aggatgctgg	ggccgctgga	agtctgtgtc	300
catgacctcg	tccaggagca	atccaggcaa	catggccaaa	ccattgccgt	tcactcgatt	360
gaaaaagacc	tcacatacgc	cgaactggaa	cggatatgcag	attggatggc	gaagtaccta	420
atgggtcaaga	gggacatcca	agctggccat	ataatcccgt	tctgtctcaa	aaaatccgtt	480
tggacggtgg	ttgccatgct	ggcgattatg	aaaacaggcg	cagcttgtgc	tgccctggac	540
ccgtcccaac	ccgtgtcgcg	gatcaagcga	attctcgacg	acacggaagc	gcctctcgtc	600
atcgtccacc	gcgactatct	cggtttagcc	gagacgttgg	atgtgccgag	catcgtgctc	660
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<210> 11354

<211> 528

<212> DNA

<213> A.fumigatus

<400> 11354

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ggagagccga	aggggattgt	cgttccccac	cgggtccattg	caaccagcat	gcgagagcat	120
ggtcctgcaa	ccagagtcga	tactgagacc	cgagcactgc	agtttgccag	ctacaccttt	180
gacatgtcct	ttcaggagat	gtttaccacc	ctgactcacg	gcggctgtgt	ctgcgttccg	240
tcggaggcgg	aacgttggaa	cgatctggcc	ggcgccatgg	aacgacttgg	ggtgaactgg	300
gcccatttaa	ctccaactgt	tctgggactc	ctgcatccgg	agcaggttcc	ctccccgcgg	360
gaccttggtc	cttcggcggg	ggacccgatc	actcaagtaa	attattccaa	cgttgggggc	420
cacggcgtgg	gacctgatcg	tctcggtagg	ggccaacaaa	aggcctccat	cctgggcccgc	480
cggcctctga	atccccctggg	gccccccctg	gtcctcccc	cgggttga		528

<210> 11355

<211> 402

<212> DNA

<213> A.fumigatus

<400> 11355

tacggtagca	cccattatct	tgtacggctg	tcaatcgact	tgaacatggg	ttggaggctt	60
gtaggttcgt	tgcttgcgtt	cttcgcggcg	acctcgatag	catggcctta	cgacgaggcc	120
ctcgttgact	acaatcttaa	cacgaacaag	caagcgagca	atcctgctga	atactctacg	180
gatggacctg	gccacaagta	tacaccgtcg	ccagacaatt	ggcgtttccc	catgtacacc	240
cttttcctgg	accgttttgt	caatggagat	ccaaccaacg	ataacattaa	tggtagcctc	300
ttcgagcatg	attttaaactc	gaaccagatg	cgtcatgggg	gtgacgtcgt	cggcttgatc	360
gatacactgg	actatcttca	aggaatgggc	atcaagctgc	gt		402

<210> 11356

<211> 255

<212> DNA

<213> A.fumigatus

<400> 11356

atattactac	taagtaactt	catactatcc	gttttgatga	tagatcaaac	agaagtggct	60
caccactatc	agccaccata	ctcatatatg	gagtatgata	ttgtctcaga	agacactgtg	120
tattccgtag	cattcaacaa	cctaattgcat	catgtcaatg	tcattaggca	agtattcaat	180
atacagtga	aaggagaagg	aggtaaaggga	aaacaaaaac	aaaaaattcc	ggcatgtatc	240
agagcatcag	cgtaa					255

<210> 11357

<211> 861

<212> DNA

<213> *A.fumigatus*

<400> 11357

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caaccgcagg	agaagtacta	taattctttg	cttggtgtga	gtgaagaggg	ggaggtgttg	180
gtaaattacc	gcaagacgtt	tctcttcttc	acggatgaga	cgtgggcgtc	cgaaggctcg	240
gcagaccgag	gcttccatga	gcttgtcttt	aacaattggt	ccgctgagca	aggatatgtg	300
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gaaaagaaga	ttgtcattgt	gtttggcaat	aggtgtggag	aagagggatc	ggtgcgctat	660
gcggggacga	gcgcgattat	tgctattacg	cagcgcccg	ggttggtgca	ggagggcgat	720
acttctggag	aggagttacc	gttcgatgtg	aagatccttt	gttgggatat	actgggtgcg	780
acgacagagg	gtatctgctt	tgctgatact	acagctgata	cgaagacggt	gtttggattg	840
gttaagaggt	cgcaggcgtg	a				861

<210> 11358

<211> 228

<212> DNA

<213> *A.fumigatus*

<400> 11358

gagtggcagc	ctcttttact	atacaatctg	gggcatttgc	cagtgtacct	gatgagacat	60
ctactgctga	acattggcga	gaaagacttt	cacattggta	aaacgctttc	gactctgatg	120
tgctcgattt	gttggaaatac	ttcatatgat	atcaaaaactg	tcgaattcta	cacactaatc	180
tttgcatatc	tggatctctt	cgatgtaaag	ctgtcgagaa	gtcgatag		228

<210> 11359

<211> 183

<212> DNA

<213> *A.fumigatus*

<400> 11359

accacgaata	tgagaatcta	ctgctctcgc	agacccatcc	aggcaagtat	gcgcgagaga	60
ttcatctatg	ccgatccctt	gagtgaacag	attaatgcta	cctaccgatg	caagactggc	120
atccataccc	tacttggacg	gacccggatg	gcggcgatga	tggcctatct	catgaccaat	180
tga						183

<210> 11360

<211> 207

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (62)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11360

agagtgggtt	ttgggtcacct	gatgcacact	atcatggcgc	atgctgactg	ggccaaactg	60
cnaggtgacc	acaccacgtt	ctacatcatg	tctgacccaa	tcgtgggtgc	ctcggatagc	120
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cctgaaccgc	tctttccatg	gaagtag				207

<210> 11361
 <211> 1374
 <212> DNA
 <213> A.fumigatus

<400> 11361
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 tctccagcag agatccagtg gatgggtcgc gcccttggtg ctgtctcgtc tggatccaag 120
 ttcgagggca ccgaagttgc agccaagatt gcatgggctc atgcattcat ttacgctgtc 180
 acggctcccc ggcttcgcac aaatttgctg gaggaagctg ctcacgcgct tatgggaatt 240
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 ctgcgcctga gaacggcgga gaaagagtct gctgcactgt ctgcaggacc ggcgagtga 360
 aagctcctgc acctcgtagc gaaggccatc tgtccttctg ccgccaatat acagtccgat 420
 aagattcgat ctgatctgaa gcgtcaactc gttcagcttc ttgtactttg caggcccga 480
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 cttgtgcgtg aatatccgga tgactttatg aagcaattaa cgcaagcgca tgaggttgg 600
 cttctagttt tcatccagag taggattcaa caagctgatt tggcgcaaga ccccatcaa 660
 tcaaaagtc ctggaattga tggagctatc tggaatgctg caggggactt ggcatttgtc 720
 gcaccaaaca ctatggtccc tcgcttgatt cggcagatca gagacgattt ggatgcatc 780
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 tacgacaccc ttaaattgga agaagagctg cgggcgcaat tagctcagaa gaaaggtcaa 960
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 aaagcgtacg tgaaatgctc tgagaaagtc tcctcgcgcc tgggtcctct tcgccccttc 1260
 gttggtgttg cgacactacg agcaattggc aggtcccatc tgccgcctga gatggaagcc 1320
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<210> 11362
 <211> 378
 <212> DNA
 <213> A.fumigatus

<400> 11362
 aatgctctga gaaagtctcc tcgcgcctgg gtcctcttcg ccccttcggt ggtggtgcga 60
 cactacgagc aattggcagg tcccatctgc cgctgagat ggaagccgag ccacttggtg 120
 gtgagttttc acatatcatt agcagttcag gcatctattg accatgttac agggcttgtc 180
 acaagaattc tttatcgctt tcgaattgct tctgagcaac gccatttcga catgacatcc 240
 ctggcatata tacttccctt gatattcatg gttctgacct gcaatggcat cgaagaagtc 300
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 ggctcatgtg agttctga 378

<210> 11363
 <211> 1638
 <212> DNA
 <213> A.fumigatus

<400> 11363
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 aaggatactc tctttgattt ctgtagatgc atttcgtcca acatcaccaa tgaggagctt 180
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ctcgaggtcg	acgagacttc	ctacgggaaa	ctcattccgt	atctttcttc	caaggactcc	420
caactccgag	gcgctgctgc	ccgcgcgttg	ggccatgcag	tggaactcaa	tccgtcggtc	480
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gaggagtga	tggaaatact	ggaaaccact	ctagaaactt	cagacaaagg	aagcaaaaca	840
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gctaccacgc	gtggcgcggc	ttacgggtctg	gctgggtatcg	ttcgtggaag	gggcatcttc	1140
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gcacatcaga	gacttgggtg	tctgttagcg	tttgaactct	tcgctaccat	cctcgggcgc	1260
acatttgaac	catatgtcat	tcagatcgtg	ccgcagctcc	ttgccggttt	cggtgaccct	1320
agcatcgacg	ttcgcgatgc	ttgcctcgac	gcagcaaagg	cttgcttctc	taatctcagc	1380
tcctacgggtg	tgaagaagat	tctccctact	ctcctcgatg	gtcttgacga	cacacaatgg	1440
cgcagtcaaa	agggagcctg	cgatctcctt	ggggcaatgg	cttatctcga	ccccagcaa	1500
ttggcagcaa	gcttgcccg	catcatccct	ccacttactg	tgggtgctcaa	taatactcac	1560
aaggaggtgc	gcaacgccgc	aaatcgtagt	ctgcagcgat	ttgggtgatct	tcaccacggg	1620
ggtcgaagga	tccgcgct					1638

<210> 11364

<211> 423

<212> DNA

<213> A.fumigatus

<400> 11364

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gatgcgggtcc	aggaggcggg	ggatgatcgt	cctcgaatcc	cggataccaa	tctcgaacc	180
cggggatcgg	atcgctcggc	agccaatccc	acctgggcgc	cttatccagc	gccgagcgac	240
cctccagcca	gcggtagtca	cccggcatca	cgtcggcatc	gatcgggtgac	ccccgcggg	300
tcgcggggggc	gaaggggacg	acggggcagc	ccccggacag	gaacatgtac	gaaggattgg	360
gggggcgaag	gcaccggagg	agcacgtagg	cgccgaagaa	gacgaagacg	gccagacggt	420
tga						423

<210> 11365

<211> 237

<212> DNA

<213> A.fumigatus

<400> 11365

cgagagcaga	gcagtcagtt	atccgatgct	tcagactttt	tttttttttt	tttttttttt	60
tttcccgcag	gaacggttga	tatctacctg	aatggcacag	tgcatacctg	agcgacaatg	120
gcaacagggtc	gccaaaggat	agtctgggtg	agcagccgga	cgacgaggat	aaagatgaca	180
tcttgaaaaa	aaaaggctcg	gccccacaga	agcagtttgg	cgggcggtaa	cgagtag	237

<210> 11366

<211> 303

<212> DNA

<213> A.fumigatus

<400> 11366

ttaatatcca	gcacgagaag	tgaaggctgc	ggctcttggga	ttttaagtgc	taggatggag	60
cctaccaccc	agacagatcc	catgacggtc	acgccgaagc	atgagctcga	gaacgggtgct	120
gcagttgctg	ccaacgatga	agagcatccg	tccaagaaac	aaagattgga	aagcatctct	180
atcaccgagc	aggaagtgag	cgacgggtgct	cccaagcgta	taaagggagt	agccccaatc	240
aaggctgagt	acgcatgccc	gtgtcttctc	tctatcgtaa	caccgttaat	cgtagactaaa	300
tag						303

<210> 11367

<211> 417

<212> DNA

<213> A.fumigatus

<400> 11367

aacgatatga	tgtccgagat	cggtctttca	gacaatcadc	atgactctgc	atctacctgt	60
caactgtcaa	tgccagacga	ggatcaatct	catagcgcag	ctcccctctt	acccaagcct	120
gaagactatg	aaaccgcacc	agcagacggg	atgaaagagc	tcgaaatggg	agacatcaag	180
aatcccagcc	tgagcccag	ccccaggcca	ggctctatct	tcacggttga	cgatgatgaa	240
tggaccccaa	ggttcaagcg	aagccatact	cgagccagaa	gggccagacg	ggcctgtctg	300
ctgttccctc	tcaaggctgt	tctagctggt	tgggttcagt	cagtgcctta	taatgtcatt	360
cggtattgtg	caaagggtgag	tctacctgca	tctatgatgg	taaacactac	tgactga	417

<210> 11368

<211> 1047

<212> DNA

<213> A.fumigatus

<400> 11368

ctgcagcagt	cgcccaaaac	cggtgatctc	cccgacacca	gcaccaatac	cagtgcaggg	60
ggtagccccg	cgtctacacc	tacatccaat	gaccggagaa	tgaaaatcga	ctccaacgcc	120
gggaacatac	acggcgtgta	ccccctctac	gactccctaa	ccctcaccac	aacaacaggt	180
aacatcacccg	tagccatcgc	cccgcagccc	gcacacccag	accacccatt	cgagccagcg	240
cggtgcaca	tccgctccct	ctcggggaca	gtcaccatct	cattcacccg	gccagaggca	300
gccgtcctcc	cggacettga	actagccatg	gagctggagc	tggagctgca	ccaggacggg	360
aacgactcac	tgccacatga	cgagatcatg	aaaacctgcg	atctaccggc	ccggccgtac	420
gagctcgaca	tacagacaga	ctcgggcccc	attgccggtc	gaatggctct	ttcgcgctct	480
gcgcggctgg	tttcgggcag	tggcgatata	actgctatgc	ttattccggg	cattgggtggg	540
gttggcgag	attgtagcag	ggagatgtgg	cggaaatgtg	cgatcgtgac	ggggacgggg	600
accggtgcgc	agcgggttca	tggtaccgag	ccttatatct	tgcgctccaa	agctggcctg	660
cgctccaagg	ctgggtgacga	tgctgtggcc	aattacttcg	tggcaggggtg	tcatgttggg	720
gggcatggga	gcatggagg	tgcgtatccg	gctgcttggg	ctgggaatgt	gcatgtgcgt	780
actgaagggg	gcagtgtgag	gctcggagg	gagggaggtg	aagttgtgga	gtcgggagag	840
gggatgggtg	atgcaacgg	tgggacgagg	aggatcaatg	gtgatgagga	agacgatgac	900
gatgatgacg	atgaggaaag	tgatgatgat	gaggatgagg	atgatgatga	tattgaggaa	960
gatgacaacg	acaaaagacg	actaggagga	tggatggacg	taagcttcag	atccaaggag	1020
gggtcaatcc	tattttatgt	tgggtga				1047

<210> 11369

<211> 231

<212> DNA

<213> A.fumigatus

<400> 11369

caaagactat	gcaacgtaac	caaggttccc	cagcagcgtc	cggcattcat	ttccggccat	60
gccccaacag	cccagtgctc	tggcctgtgt	gcctttgcgc	agacgctgca	ggccccaggg	120
caccttccac	ccttcagtct	cctgcagaac	gaagacgtaa	cggcgacctt	cctggctcgcg	180
gatgctggcc	cgaggagcat	gcagccctcc	attttcctcc	gcgtcaggtg	a	231

<210> 11370
 <211> 216
 <212> DNA
 <213> A.fumigatus

<400> 11370
 gtgccaggta aggetgcctt tctcccgtag aaagcctgca ttgcagctaa catgtgtaat 60
 tgtcagatcc tcgaagccat tggcggtgaa tacatcgacg agttcgaagt ctttaccctt 120
 gccgatgatg tctaccacgt gaagaaacac gaactacaag gtcctttcgt ctgtggttgc 180
 cgcaacctgt gcgatgcctt tcgtcggatc gcctag 216

<210> 11371
 <211> 882
 <212> DNA
 <213> A.fumigatus

<400> 11371
 agacacggct cgaagcgtca gcttcttaat aattttgcag actggctcta ccagagacac 60
 ggcgcctcgc ctccctctgt agtcgtcgtg aacgggcata ctgcgaacct gtcaattagg 120
 tctatcttcg ccaccattgt gaccgctggt ctgggtgcag acattccatc gaaaatgggg 180
 tcccagccac tagaggattt agaattgttg cagtctagcc tcaagtctcg accatctcag 240
 aaaccaatca ccgtgctgat caatgcgacg gacgcccctc tctccgccc ggcaacgaac 300
 caagccctcc ttgcgcggtt ggctgcgacc ccaaagatcc atttgcttgc caccgcagac 360
 actccgaatt ttttgcctgat gtgggatatc agccttcgag atcatttcaa tttcgttttc 420
 cactactgca caacatttgc cgctttcgat accgagtttg atgttggtga agaggttcac 480
 aacctgcttg ggcgcaaggg ccgtcgaatt ggcggtaaag atgggtgttg cttcgtgttg 540
 aagagtcttc cggagaacgc gcggaatctc tatcgattgc ttctcactga actgctgtgt 600
 atgatggacg aagatcacaa ttccgatgat gagatgaacg gccatgcagg aagagaaaac 660
 ggggtcaacg atgagatggg cattgaattc cgcattgctc accagaaggc tgccgaggag 720
 ttcatatgat cgtccgagat gatgttccga aactgctaa aggaattcca tgaccatcag 780
 atgatcacat cgcggatgga ctcgggcgga atggaaatac taagagtacc cttgtcgcga 840
 gaagaaatgg aggggctcct ggaagacctg gtattagggt ga 882

<210> 11372
 <211> 330
 <212> DNA
 <213> A.fumigatus

<400> 11372
 cttctacaac agggcccgcat tgcggaggag gccggtgccg ctgccgtgat ggccctggag 60
 agagtccccg ccgacatcag agcccagtggt ggcgttgccc gcatgtctga cccagcatg 120
 atcaaggaga tcatggctgc tgtaaacatt cctgtcatgg ccaaagctcg tatcggacac 180
 ttcgttgagt gccaggttaag gctgcctttc tcccgtagaa agcctgcatt gcagctaaca 240
 tgtgtaattg tcagatcctc gaagccattg gcgttgaata catcgacgag ttcgaagtct 300
 ttaccctctg cgatgatgct taccacgtga 330

<210> 11373
 <211> 222
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (187)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11373

agccctggct	ctggcgcgcc	ggataccctc	cttctcaact	gctccgatga	tgcagttcc	60
ctggccggtg	gaagtgtctt	tctcagaccg	aatcccagcc	atatcgccaa	gcttgagta	120
ccagccgccc	agatcaaccc	caacgtccac	aatgtcccga	gtggtgccct	cctcgggtgt	180
gacaatngtt	atacaagcac	gatggaagga	gtaaacccgg	gt		222

<210> 11374

<211> 897

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (36)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11374

acccgggttt	actccttcca	tcgtgcttgt	ataacnattg	tcagcaccga	ggagggcacc	60
actcgggaca	ttgtggacgt	tggggttgat	ctcgcgcgct	ggtactgcaa	gcttggcgat	120
atggctggga	ttcgggtctga	gaagagcact	tccaccggcc	agggaaactgc	gatcatcgga	180
gcagttgaga	aggaggggtat	ccggcgcgcc	agagccaggg	ctctagaatc	ggacgtgggt	240
gtgttgggtca	tctccctgga	ggaagggacc	aatggctcgc	cttaccgact	atcagtggac	300
caggaggtaa	tcgatgcggt	caacgattgt	gtacaagctg	ggaaatgcat	tgttgtggcc	360
atcaacaagt	gcgatcggtt	tcttgcagca	gatcggttcg	gccagtcact	gcatgacctg	420
aggacgaaga	taaggacact	gtttccagcc	gtcccggaga	agcgcatatt	cgacatatcc	480
tgcaacgagg	cctcgggaaga	gactctgtcc	gagcaatctg	atccggggaa	cctgcaaaga	540
ttcctacgag	gcttgatttc	aactttcgaa	gaaattgcat	ccccagcaag	aatggacggg	600
gatgagaatg	gacaatacga	tcttttctat	tgggaagatt	cattgggagt	gacacatcga	660
caaagctcta	atctacagag	atgcatgcaa	cacttggacg	atttcctgaa	cgagactacc	720
caagcccaaa	cgctccaaac	tcccggctat	gctgatgata	gaaatattga	gacggaaatt	780
gatgtcgtta	tggcagccga	gcatctgcga	ttcgccgcgg	acactctcgc	caagatcacc	840
ggcaaaggcg	agagcgggga	cgtggaggat	gtcttggggc	tcgtattcga	gaagtag	897

<210> 11375

<211> 561

<212> DNA

<213> A.fumigatus

<400> 11375

acgagaccgt	tcagttctca	taatttgaca	tcagactctc	cctacttcaa	tatggacacc	60
gattccccga	ccgagacgcg	ctctaccgag	ccttcaacct	tattaaagat	cctccactgg	120
gacaagcttt	tcgaatctga	tactccacca	aggttaggta	ttgaggttgg	gaagcgattg	180
ccgtttacag	ctttgtcggc	tttctctgtt	ggtatggcaa	ttggttcatc	gcatggaagc	240
aaaaaggccg	cataccgttt	tcgcgctgaa	aatgcgcacc	gctttccgac	cacatcgacg	300
gggttggtttc	aataaccacaa	gacaaaaaat	tacatagcga	tagttggagg	tgtgaaagag	360
ggtatgaaga	tgggatttaa	actgagtgtt	ggtgcgcttg	cgttctgcat	tttcgaagag	420
actgtggact	atgctcggca	cgacaggagg	gatttccctc	cgactgtcac	ggccgggctg	480
tccttttctg	gcatttacag	tttgctagg	ataatcccg	ttggcgcagt	gtacccat	540
aataagatca	cagctaactg	a				561

<210> 11376

<211> 228

<212> DNA

<213> A.fumigatus

<400> 11376

ctcaccacag	tagaatatta	catcgtaacc	aagatttcac	gctcatatgt	tatcgctgct	60
gtccttaata	ggcgagcgga	ttttgtgagg	agagaaggcc	ggtcgagtg	tgaagacaac	120
ggtcgtcgaa	cctgggaaac	caagaagtat	tctgataaga	tcttttgcac	catccatgtt	180
gaactcggca	ataacaaagg	ctcttggtg	tggctagact	ctgtcttc		228

<210> 11377

<211> 840

<212> DNA

<213> A.fumigatus

<400> 11377

gtgccagaac	caatcacaag	tgtgtatcta	ctgcttaagc	taagtctgct	ttcgacagat	60
gaaacggttg	tcaatggcgc	tcagatcttc	tacaagacgc	aattcggcat	tgacgatgaa	120
acctcgcggt	ctcgctggct	gctgggggtg	gtgaacgcgc	caccatattt	gtgctgcgcc	180
gtccttggtt	gctggctggc	agtcctcttc	aacgcgtggg	ttggctgcgc	tgggaccatc	240
ttcattacat	gctgtttctc	cgccatcgct	tgccctgtggc	aagggttcgt	caacacttgg	300
tggcatatgt	tcctctcccg	gttcgtcctg	ggcttcggca	tcggcccaa	gtctgcaact	360
gttcccatct	acgcagccga	aactgctcct	cccgccattc	gtgggtgcatt	ggcatgcag	420
tggcagatgt	ggactgcatt	tggcatcatg	ttgggctatg	cagcggacct	tgctttcttc	480
gaggtcccag	accctccaaa	cattgtcggg	ctcaactggc	gcacatgat	ggcctctgcc	540
atgttcccag	cgatcttggt	ctgcttattt	gtattttcct	gcccgagtc	gccacgttgg	600
tacatgtccc	agaatcgcta	ttataaggcg	tatgaatcga	tgtgcagcct	gcgaacgcac	660
aagatccagg	ccgctcgaga	cctttattac	atgcacaccc	tgctggaagc	ggagaaaggg	720
atgaagctcg	gccagaacaa	gatgatagaa	cttatcgctg	tgcttcggaa	ccggcgcgcc	780
ctaactcgcat	ccgagattgt	catgttcctg	caacaggtaa	ttaacctccc	ccggtcatag	840

<210> 11378

<211> 753

<212> DNA

<213> A.fumigatus

<400> 11378

ctgtgtggcg	tgaacgttat	cgcgatttat	tcctcggaac	tcttcatcaa	ggtgacatca	60
gcccgaatg	ccctagccac	atccttcggc	tggggcggtg	tgaactggct	cttcgccatc	120
cctgcgggtc	acacaatcga	cacattcggc	cgctcgcaatc	tcctcctcac	caccttcctt	180
ctcatggccc	tcgcctgggt	cttcaccggc	tttagcttct	acatccctgc	ctcgggaacac	240
aataatgcgc	agcttgctgt	cgctcgcgta	ggcctctatc	tcttcggcgt	cgtctactcc	300
gtcggcgagg	gtccagtgcc	attcacctac	tcagcagaag	cctaccact	ctacgtcgt	360
tcgtacggca	tggccttagc	aacggcaaca	acctggctct	tcaattttct	cctggcgatc	420
acatggccgt	cactgcatga	ttcattcaag	gaccagggcg	cgttctgctg	gtatgcccgc	480
tggaaatctga	tcggattcgt	tctgggtgct	ctgttcattg	cggagacgaa	gggcaagacg	540
ctggaggagc	tggaccaggt	gttttcggtg	ccgacgcgat	ttcacgcggc	gtatgggctg	600
cgccagatcc	cgtacttctt	taagaggtat	atcctgcgct	agcaggtgaa	gccggagata	660
ctgtacgaga	gggaagatcc	ggtgggctat	tcgagtgaat	ttgttttcaa	cactgccgat	720
tggagcagga	caaggtatgt	gcggggacat	tga			753

<210> 11379

<211> 525

<212> DNA

<213> A.fumigatus

<400> 11379

gcagaccaag	atcgctggga	acatggcaga	ggccatcatg	atgcgccagt	tgagcccgac	60
aatgttttga	gggtctggga	cctcgaagaa	agcaaggctc	gctgcatagc	ccaacatgat	120
gccaaatgca	gtccacatct	gccactgcat	gaccaatgca	ccacgaatgg	cgggaggagc	180

agtttcgggct	gcgtagatgg	gaacagttgc	agacttgggg	ccgatgccga	agcccaggac	240
gaaccgggag	atgaacatat	gccaccaagt	gttgacgaac	ccttgccaca	ggcaagcgat	300
ggcggagaaa	cagcatgtaa	tgaagatggt	cccacggcga	ccaaaccacg	cgttgaaagg	360
gactgccagc	cagcaaccaa	ggacggcgca	gcacaaatat	ggtgcggcgt	tcaccaaccc	420
cagcagccag	cgagaccgcg	aggtttcac	gtcaatgccg	aattgcgtct	tgtagaagat	480
ctgagcgcca	ttgacaaccg	tttcatctgt	cgaaagcaga	cttag		525

<210> 11380

<211> 438

<212> DNA

<213> A.fumigatus

<400> 11380

atgggttcaca	tttggtagat	acctgcgcag	agccccactg	agaatcaacc	agcaactggc	60
cagtggcagc	cgtcgcgact	caattacaag	aaaaataata	ataccaacga	gacgcgagaat	120
agttttctatc	ccacagcaac	atataaggag	ggacagcggg	aacaaagcga	cgcgatttct	180
agcacgaagc	caatcagttt	ctctgacctt	ggcactggaa	atctgcagtg	gaccgtcact	240
actggagtcg	tcagtcctcc	tatcaggtgt	aggacggact	tcgtcggatg	gaccgtcgtg	300
ttcttgtctg	gcaatttgag	taggtacttg	cgggccattt	ccgtggaagt	acagtatcga	360
caatcgctcg	gaaactcgct	ccggtccagc	caaaatccag	ttattgtccc	tgtgattatt	420
atgttatttta	tttattga					438

<210> 11381

<211> 213

<212> DNA

<213> A.fumigatus

<400> 11381

cttttttccg	ccatacagat	gtactccaag	ctcgttcaac	gctgcttcga	taactgcgtc	60
aacgacttca	ccaccaagtc	cctcatctcc	cgtgaagaag	gctgtattat	gcgctgtgtg	120
gacaagtata	tgaaggcttc	cagccgcttg	aacgagcgct	tccaggagca	gaacgcggct	180
atgatgcagg	gtggacagct	gcctggccgg	tag			213

<210> 11382

<211> 222

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (146), (165)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11382

cctcaggcaa	tcactgtgct	ttcaccagag	cgagcatgga	gtactttctct	agactatgaa	60
atgatacgtc	attgtgcaga	ctttgaacag	agtgaacagt	taatctatca	gtacatcgat	120
ttcatgcgct	cttttaagaa	ccgcntaat	cagggtgtgt	caggntttta	cttcacctcc	180
aacagaagga	agcaatccac	acacggtcac	aaccggctt	ga		222

<210> 11383

<211> 246

<212> DNA

<213> A.fumigatus

<400> 11383

agagcctgtt	ctgttcaaca	tcatcgatc	attcttagtt	atcgagtaca	ttgctgtgcc	60
------------	------------	-----------	------------	------------	------------	----

gttctttgtg	tteggcacct	ggcgactagg	tcctctggtc	ccaagggctc	cggattgctt	120
gggggaggtg	actattttat	tgcttttccc	cttcagaag	acctagtccg	tactagggtac	180
cttagtatct	accacctttg	gtttagtgtc	accttttact	tggtcgaaac	tagccacacc	240
tgctaa						246

<210> 11384
 <211> 336
 <212> DNA
 <213> A.fumigatus

<400> 11384	
ctctgtatatt	attgtgcttg
ctacatccat	tctgcctgca
attgctatgt	gcctatcccg
aaagctgctc	tgcttgatgc
ttggatcctt	tccgagacct
gttccttgcg	tgaggctaata
ccgccttgctc	ttacaacaga
aaaacctcag	ggatatattcg
gtgttcccct	caacgtcagt
atcaaatatg	cgaatgtcgc
catctccctc	acgaacgata
acggcgaaag	tttcatctac
ggttatgtgc	ccatcgtggg
cgccaagtgt	ggtgtctttc
tgaaggaaaa	aggtacgaac
aaacaacctt	cttcgcccag
gcgatcggcc	tactga
	60
	120
	180
	240
	300
	336

<210> 11385
 <211> 840
 <212> DNA
 <213> A.fumigatus

<400> 11385	
gttcatttttg	atgtccttcc
cattctacac	cttcaagcga
aggttgcccg	cggaagatt
gggacaagca	ggctgatgga
ggcacaggac	ttttggcgtg
taatctggga	gcaagatgtt
cgaattgtcg	tttctctcac
agcagaaatt	gaaagggggc
aagttaaatg	tcaccgggtat
tgaggagtcag	ggaattatgg
gccttttctga	gtcaataaact
tttctgagcg	acgcattcca
atgaaagcgt	ccgggtcccg
ccagaaccag	ggtcagtcac
ccacgtcatt	gtcggattct
agcgaagaac	ccagcgaacc
atgcattatc	gtcagacatt
ttggcttgctc	acactcggct
tttccatttc	aaccactacg
agaagtcacc	cagctgcaat
atccctattg	gccggatttt
ggtactacgt	cgcaaccatc
acacctcctt	cagctgggtg
atgaatgcaa	cgcaatcata
cgggcaacaa	gcaatacgtg
ctttgatact	cgcaaggcaa
tgccaactga	acatcgacct
gtattgggtgc	attgcagtg
gggatgcggc	cgtactggta
ccttctgtac	agtggatagt
gttctggaca	tgctaaaacg
gcagcactct	gcacgaaaga
ccgaacctcg	agaaatcagt
gaacggcctg	atactgggtg
gatttataac	gataacgtgg
accttattgc	aaaggcagtc
gccgactttc	gaaccacg
acctagcatg	atacaaaatt
tgagccagtt	tgtcttatgc
tatgaaagtg	tattggagtg
gatggtggtt	caaatggacg
aaggatgtga	aaatccttga
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	720
	780
	840

<210> 11386
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 11386	
gatgggagtg	atgcaaggct
gatgagaacg	ataatcttgt
ttcccaagag	acaattgtta
goggcttcgt	ccaacttctg
tcacgggttg	ttctatctaa
acaccaacca	agctctgagc
catgttgctc	aatcttccac
cggagctaat	ccagctcgtc
cttcaaagt	cgactacgcc
ttcctttcta	caagtggcat
tttctgtc	aactttgtat
ga	
	60
	120
	180
	222

<210> 11387
 <211> 837
 <212> DNA
 <213> A.fumigatus

<400> 11387

agatcgtttg	acacgcggaa	gttggccaac	accttcacga	gcgacattga	ccgaagatca	60
ttctcaagat	ggaaacaatg	ccgctacatc	atcgtttatg	acgctgctac	acttgacatg	120
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<210> 11388

<211> 189

<212> DNA

<213> A.fumigatus

<400> 11388

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<210> 11389

<211> 504

<212> DNA

<213> A.fumigatus

<400> 11389

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ccccctcggc	ctatggtgaa	gattagtttc	gagaatgcgc	tggcgcatct	gcgacgggtg	420
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<210> 11390

<211> 396

<212> DNA

<213> A.fumigatus

<400> 11390

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<210> 11391
 <211> 204
 <212> DNA
 <213> A.fumigatus

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 ggccaaatcc ttgtcggtaa gttatccgac cttcttatgc ggatcaaaat caactctaga 180
 accctcaggc tgacgcagtg gtag 204

<210> 11392
 <211> 1248
 <212> DNA
 <213> A.fumigatus

<400> 11392
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 acaccgaagc agacaactat ggaacccctc gatcaactcg ccgatttcga attcctcctg 180
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 atgctatatg accgattatc acgagacact atctcccgca agcatgtacg atttgcattt 1200
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<210> 11393
 <211> 261
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (227)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 cataccctct ccagacgaag cgtgtcgatc gtggaatact gtcaatatga tgccacacga 180
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 gccggaaggt ttattgaaac g 261

<210> 11394
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 11394
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 aaagacggcc aagaagccta cgacactgtc aaggcgaata tggaagaggg caaagtattt 180
 gacgtgatct tcatggacat tcaggtatat gcaaccgtca ctatgtag 228

<210> 11395
 <211> 543
 <212> DNA
 <213> A.fumigatus

<400> 11395
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 ccgggcaaaag gcgccttggt cactgtggag attccgttga aatttgtcaa ggaagcagcg 180
 ccgagcacc cagttccag tgcagctgga tcgcgcacac ctagcgtttt ctcgcttgac 240
 gatcttcccg gtctcgcgcg accgcccgtcg aacaatggct ctgtccgcag cgatccgttg 300
 accaacttcg agaagcagga tctgcaacct cggcttggtg gactcagtca gcctttcttt 360
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 aagccagaag tgaaagataa cacgtctggc aagggtgcgcg tattggtagc tgaggacaac 480
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 taa 543

<210> 11396
 <211> 186
 <212> DNA
 <213> A.fumigatus

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 tactaa 186

<210> 11397
 <211> 624
 <212> DNA
 <213> A.fumigatus

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 aaaatgagca atttcaacca cgcaccaaac tacaaccca acagcctacc caccatcaac 180
 aacggtatgg acgaaagctt ctacaccaac atggaccaca ccatgaataa cgcccacaat 240
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 gtctactcct ccattgatgc aatcctgcgc tacgacgggt ccaaaacggg ggatttgatt 480
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 ggggagtttg ggctcgcgca gtga 624

<210> 11398
 <211> 603
 <212> DNA
 <213> A.fumigatus

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 aaccacattg gcaatccac caccacagat atcatcgggt acgtcacac cagtgacttc 180
 aagacgttca ccaagccgca gacgtacatt gaccacgaga cgagcacgat catcgacgtc 240
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 ggccccgtgg tcgaagttag ccgcaacgga ctgttcgggt actgggtcac cccttcaggc 360
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 tcgacggatg tgacttcggg aacgtttacg cctgcttcgg gtggtaatct gggggcattg 540
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<210> 11399
 <211> 219
 <212> DNA
 <213> A.fumigatus

<400> 11399
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<210> 11400
 <211> 1212
 <212> DNA
 <213> A.fumigatus

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 gacgggtctg tttgtcgggt cgggacaggc gctcgccatc ggtgggtccgc tgtcgctgct 240
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1212

<210> 11401

<211> 1344

<212> DNA

<213> A.fumigatus

<400> 11401

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<210> 11402

<211> 429

<212> DNA

<213> A.fumigatus

<400> 11402

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<210> 11403

<211> 1221

<212> DNA

<213> A.fumigatus

<400> 11403

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gacggcgagg gagtagagcg agcgggagga catgtacagg aacgaattgc cggcggacca 180

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<210> 11404

<211> 1584

<212> DNA

<213> A.fumigatus

<400> 11404

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<210> 11405

<211> 195

<212> DNA

<213> A.fumigatus

<400> 11405

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<210> 11406

<211> 648

<212> DNA

<213> A.fumigatus

<400> 11406

gtcttagtat	ttccccattg	ctactattct	tcattctgtct	ctgtcatccc	aatccaattc	60
cattgccacc	aatcgtcctg	taccacgatt	tgccgtcagt	ctagtagacc	tttctccatt	120
ctcccgctct	tctgctgtag	gtctctactg	gaactctcct	ggtttctccg	tcgaaccgag	180
gttatacggt	gcattatata	ggttctgctc	tccttcagaa	ctattctagc	aacatcatct	240
caattgtctc	ccatctgcca	tatacatcac	cacatccgtc	cacattcaga	atgtcttcaa	300
gcggcaataa	cggcgctgtg	ggccaggaga	acatcaaccc	agatatcatt	accctcactc	360
ggttcctcac	tgaagagcaa	gtcaagggtac	cgggaagccac	tggtgacttc	acgtgagttt	420
gtccgctcta	cgaattggaa	ttcttgcgcc	gaaactaacc	gagctgccat	gtctgcgaac	480
agattgctct	gccatgctct	tcagttctca	ttcaagtcca	ttgcctacta	catccgtcgt	540
gcgtcgttga	tcaacctgac	cggctctggcg	ggctcgtcaa	acacaaccgg	cgatgaccag	600
aagaagctgg	atgtaatcgg	aaatgacatc	tttgttttcc	gcccattga		648

<210> 11407

<211> 186

<212> DNA

<213> A.fumigatus

<400> 11407

tcggaaatga	catctttgtt	ttccgcccac	gagagggctc	cggccaagtg	ccgcatactc	60
gtctccgagg	aggaggaaca	ggcgatcggt	tttgatgagc	accccaacgc	ccgatacgcc	120
gtcgtctgtg	atcccatcga	cggctcgtcc	aatcttgacg	ctggcgctct	ggttggcacc	180
attttc						186

<210> 11408

<211> 276

<212> DNA

<213> A.fumigatus

<400> 11408

gtctctactg	gaactctcct	ggtttctccg	tcgaaccgag	gttatacggt	gcattatata	60
ggttctgctc	tccttcagaa	ctattctagc	aacatcatct	caattgtctc	ccatctgcca	120
tatacatcac	cacatccgtc	cacattcaga	atgtcttcaa	gcggcaataa	cggcgctgtg	180
ggccaggaga	acatcaaccc	agatatcatt	accctcactc	ggttcctcac	tgaagagcaa	240
gtcaagggtac	cgggaagccac	tggtgacttc	acgtga			276

<210> 11409

<211> 297

<212> DNA

<213> A.fumigatus

<400> 11409

acaaggctcg	ccgttcacgc	ttgtccgaga	gtatgttgcg	ggagccccct	accatggcta	60
------------	------------	------------	------------	------------	------------	----

tcttgtcttt	tgtggagtat	gaatgatggc	gccagacac	tgatccaaat	ctacttgc	120
agtcaaggaa	agaagaagag	acagcacggc	accgaggccg	tgaaatcaca	cattgtcgct	180
gccaaagaccg	tcgccaacat	tgtgaagact	tctttggtat	gggccggagg	ttctaagaaa	240
atcgggaacgg	catctaagaa	gtattatagg	gtcctcgccg	tttggaacaag	attctga	297

<210> 11410

<211> 423

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (341)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11410

tatcaccgtt	accaacgatg	gcgcgactat	cctctcccag	gtccgttctt	caaccgcttc	60
ggcgaccatc	gattcggcgt	gtcactgact	tgcgactgtc	cgcagatgga	aatcacaaac	120
aatgttgcca	agctcttggg	agagctctca	aagtctcagg	atgaggagat	cggcgacggt	180
acaaccggtg	ttgttgtcct	ggcggcggtc	atgctcgagc	aggcggccga	gctgattgac	240
aagggaatcc	ccccatccg	tattgcagac	ggatatgata	aggcttgtga	gattgccgtt	300
gctcccctcg	acaagatccg	cgacgagatc	cccttcccc	ngggacgata	cggagaacct	360
actccatgtt	gcgaaagacc	attcctggta	gcaaaatgtt	taatccgatt	gggcaccccc	420
taa						423

<210> 11411

<211> 189

<212> DNA

<213> A.fumigatus

<400> 11411

gttgacttgt	gcgctggaac	ccgtcaggtc	cggctgactt	tgctgttagc	ccctgttgag	60
gatctctcgg	acgacgagtc	gactggcgga	tctatccctt	acaacaacgc	tgaacatgac	120
aaggacatcg	ctggcgacgt	gaaggaggaa	gaggaggacg	atgacgagaa	tgaggaagag	180
gggatgtga						189

<210> 11412

<211> 441

<212> DNA

<213> A.fumigatus

<400> 11412

ccagtccgag	tgttattggg	cttgattgtc	ttccagctag	ccgtaatcgg	cgtactcgct	60
ctgcgcagag	cgataactcg	gtcgttgctg	cttgtacccc	ttcttggggc	gactctctgg	120
ttcagctatt	tttttgcgca	gcactacgaa	cccctaata	agttcattgc	attgaagagc	180
atcgaccgta	atcgctcctg	tggcggagat	atctcgccct	ccccatcgct	gaccttctcg	240
cctccttctg	gacttgagcg	tgacgctctt	cccatacaga	tcggcgggaca	acaacttggc	300
ctgagattga	agaagtatgt	caatccgagt	ctcatctttac	ctctggatga	tgcgtggctt	360
ccaggacatt	ctgctactcg	tgaatatcag	ggggcctttg	acgcgcata	gacacgtaac	420
ggcaatggtt	ccgcggtcta	a				441

<210> 11413

<211> 612

<212> DNA

<213> A.fumigatus

<400> 11413

ggcgtgtccc	ttacggctgg	tgcaaataatg	ctcaaacggg	ctgcgcctta	ctgcaccgaa	60
attctccggc	taaaaccaca	ttcattggct	gcccttctat	tcaaagggtca	gatagcgctc	120
gacgaggagc	gtttcgagga	cgctattcgc	accctcaacg	aagccagaga	acatcaccgc	180
ggatctcagg	aagtccagac	gcttatgcag	aaagcacatg	tgctattgaa	acgcttcaag	240
cataaggact	actacaaagt	tctgggctgc	agtcgtgact	cagatgagcg	aacaatcaaa	300
agagcttata	ggcagttgac	aaagcagcat	caccctgaca	aagccgtctc	gcagggcgctc	360
tcaaaagagg	aagctgagaa	gaagatggcc	gctataaacg	aggcatatga	agttttgtcg	420
gaccccgaa	ttagagcacg	gtatgacaac	ggcgacgatc	ccaatgaccc	cgagtcgcag	480
aggggcaatc	ccttccaagg	aaaccccttt	ggtgcagccg	ggggccagca	attcttcttc	540
cagcaaggcg	cgccacactt	caaattctcg	ggtcaaggat	tcaacttccc	ccgaggcttt	600
cccttccggt	ag					612

<210> 11414

<211> 600

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1), (48)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11414

nattccaagg	tcgatcgcg	ccattacgcg	ccttcgaggc	cataactcnga	ctcacccgaa	60
cctatcggac	atggagcgac	gatttcggcg	ccacacatgc	atggccatgc	ttgcgaatac	120
ttagttgagt	tcatacaagc	cggatcccg	gtactggata	tcggctcagg	atccggttat	180
ttgacgcag	tcttcgcaaa	tcttggtaca	gataggtcta	ccaatgatgc	cagtggtcag	240
gttatcggag	tggaccatat	cccagaactt	gttgacctag	ccctggcgaa	catgagcaag	300
tcagagcaag	gtcgcaactt	cctcaattcc	ggaaaagtga	aattcatcac	cgccgatggt	360
cggcttggct	ggaggggaag	ggcaccttac	gatgcaatcc	atgtgggcgc	agcggcagat	420
aagttacacc	cgtttctcat	tgaccagcta	cgtgccccag	gacgcttggt	catacccggt	480
gatgtggaaa	atgacgacgg	gcccctaagt	agccttggac	ttggtggtgg	acagtacata	540
tgggttggtg	acaagaaaaga	ggatggctct	gttcacaagg	agaaaatttt	cccagggttag	600

<210> 11415

<211> 243

<212> DNA

<213> A.fumigatus

<400> 11415

ggataccctc	ggcactcagc	gtctgcccgc	ggctcccctt	ccatggcacc	gtatcaacaa	60
tatccctcag	attgtcctcc	tgagccattt	gccccagctc	atcatccaga	tcctccagat	120
atcgctcgc	cccctcatca	tcccgaatct	ggaagaactg	gacaccaacc	tgccacggca	180
cagcgcgaca	tgcatccaac	cgcttggcaa	cttcacacat	cacactctcc	gcacatccg	240
taa						243

<210> 11416

<211> 1158

<212> DNA

<213> A.fumigatus

<400> 11416

cttcattcac	aaccagggaa	agggcatcat	aatttccttc	tttttgtggg	ccgattgcat	60
accaccagca	tcataccagat	cccaatctca	atgccgcttc	tctttggaag	attcaagtct	120
cgatctcctt	gccttctctg	ttctcctggt	gaatctctca	cgccggaacc	tatacagcac	180

cagcggttac	ccgcgtatag	tatcaacgac	aagccagaac	tcacaatggg	ccatcgtcac	240
tcccgtgtag	caggcagctc	aagcacctca	tcctcaagaa	agaccaccta	ccgaggaacc	300
cagtcgacac	cccacaaggg	aaacacgtac	gtgcaaaccg	gcaacgtcga	cgtctggttt	360
ccgcctccat	acacccctca	agcatcagca	ccagccgcac	atactcccgg	ctggacagcc	420
tccttcacca	gtagcacagg	cgactcgccc	tacgccttcc	tccgcgagtt	cgacacactc	480
ttcgtcgtcg	acgacagctc	cagtatgctc	ggggcacgct	ggaaggaagc	cgaggaggcc	540
ctggcgggcca	tgcgccccat	ctgcacgcgg	tacgaccaag	acggaatcga	catctacttc	600
ctcaaccacc	gccgtgaggc	gactgccact	tccacggggc	cataccacaa	catcaccacc	660
gcggcagacg	tgcaggagat	cttcaacagc	gtgcagccgc	gcgggcccac	gccctacggg	720
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acggatgagg	acgggaacct	gcgcgatccg	gcgaggtttg	tgaagccgtt	gaatatcatt	840
gcgattacgg	atgggggtgt	tacggatgat	gcggagagtg	tgattgtgga	agttgccaa	900
cggttggatg	catgtcgcgc	tgtgccgtgg	caggttggtg	tccagttctt	ccagattggg	960
gatgatgagg	gggcgaggcg	atatctggag	gatctggatg	atgagctggg	gcaaattggct	1020
caggaggaca	atctgaggga	tattgttgat	acggtgccat	ggaaggggag	ccgcggggcag	1080
acgctgagtg	ccgaggggat	cctcaagtgc	acgatgggtg	ctgtgcataa	gaaatacgat	1140
aagcgggaag	cgttttag					1158

<210> 11417

<211> 492

<212> DNA

<213> A.fumigatus

<400> 11417

caggcagctc	aagcacctca	tcctcaagaa	agaccaccta	ccgaggaacc	cagtcgacac	60
cccacaaggg	aaacacgtac	gtgcaaaccg	gcaacgtcga	cgtctggttt	ccgcctccat	120
acacccctca	agcatcagca	ccagccgcac	atactcccgg	ctggacagcc	tccttcacca	180
gtagcacagg	cgactcgccc	tacgccttcc	tccgcgagtt	cgacacactc	ttcgtcgtcg	240
acgacagctc	cagtatgctc	ggggcacgct	ggaaggaagc	cgaggaggcc	ctggcggcca	300
tgcgccccat	ctgcacgcgg	tacgaccaag	acggaatcga	catctacttc	ctcaaccacc	360
gccgtgaggc	gactgccact	tccacggggc	cataccacaa	catcaccacc	gcggcagacg	420
tgcaggagat	cttcaacagc	gtgcagccgc	gcgggcccac	gccctacggg	aaacggctgc	480
tgcagatcct	ga					492

<210> 11418

<211> 231

<212> DNA

<213> A.fumigatus

<400> 11418

attaagtctt	atcattgccc	tatgtgtctg	ccatcttcca	ctagtccgag	caatttctct	60
catctcttcc	aatccttttc	tcctcttcca	agattcgacg	ctcggtttcc	ttcccccccc	120
ccccccctg	caaatatcgg	cctacagggc	tgtgatgtgg	ttctcacagc	agccaatgga	180
tcctacctta	taatcaaagt	gcatttcaag	tctgttgatt	gtttaccatg	a	231

<210> 11419

<211> 339

<212> DNA

<213> A.fumigatus

<400> 11419

cccaaccgca	acttgacatc	aattcccaag	tccatcctac	cgcagccgaa	ccaccaatca	60
ttgacgatca	acaagtatat	acctgtctct	ttcgtcgaaa	tgtcgactgt	caagattacc	120
agcgaggttg	cgctcatatct	ggcttttactc	cgatcgtatc	tagccagcga	tgacatcgct	180
tcagctcgac	ttgaggacaa	agaaaatcaa	ggccactcaa	aatcaggcca	gctgcctgca	240
acattacaac	agccccaaaa	gccacgagaa	tgcaggccat	atgaacaagt	ccgagtcaag	300

ggctctactg caaacaaaaa tctgtcccag cttcggtag

339

<210> 11420

<211> 375

<212> DNA

<213> A.fumigatus

<400> 11420

gccacccctg	atcgcaaacg	agaatgcttt	cttaggcgat	gtgtactcga	ggtatttgaa	60
tctaccgatt	ctcccacat	ggaaactaac	atgatctcct	ccgcaagcga	gaaagagAAC	120
cctgacaagc	ccatctcggc	tggcttatac	cgcctggaaa	aaggaacccc	gctggtgtat	180
gaatacacct	acgatgagat	gaagattatc	cttgaggggc	aatttgaaat	tgccgacgaa	240
accgggcaga	aggtgacggc	tttgccgggg	gatgtttttt	attttcccaa	gggggcgaag	300
attacgttta	ccacgcaaac	atatgggttg	gcgttctatg	tgagtttttc	tttcgttgtg	360
gtgctaccct	tttag					375

<210> 11421

<211> 549

<212> DNA

<213> A.fumigatus

<400> 11421

ccagaaatgc	cctcagaacc	agctagtgat	ttggccaagc	gtgtattgat	actgctagct	60
actgttcctc	cgggttcccg	aacgataatc	gttcagatgt	ttcctctgat	agcagctgga	120
tgcgaggccg	aaccaggaga	ggatcgccag	tgggttttga	ctcgatggag	ggcaatccaa	180
tcccgtctca	tgatagggtc	catcgatcga	tgtattgaag	tagtccagga	agtttggtct	240
cgccgtgatg	ccatcgaggc	agagaagcaa	cgacgccagg	agcgtgtgct	cagcagttct	300
agtcggcaga	gcaaaggcgg	accgggggta	agctcccagg	gaacgagaga	acaattcatg	360
agcagtcctg	ccatcccttc	cgacttagca	gtgtcgtcta	gacccccatt	cgtaggcact	420
cgaagaagct	cggctgtatc	gccactggaa	aacatcgaat	tcgagaagac	agtcagaggc	480
agattacatt	gggtcagtg	catgcaagaa	tggggatggg	aaggtgagtc	tttatcttgt	540
tccgtttga						549

<210> 11422

<211> 2163

<212> DNA

<213> A.fumigatus

<400> 11422

gaagacggcc	agcaagcgga	cgggttgctg	tcccaagaag	caggccagct	cgtgggtgcct	60
gccagttctt	cccaaatgaa	tcaacagcca	tacactgctc	ctcagaacat	gtttcaagtg	120
ggccagcaga	tgggtcaagg	gggtcagacc	aacctcaatg	gcgcctctat	cagccctcag	180
tttctcgcgg	cacagcacct	gcagaatcct	cagaacgtcc	agcaggatcg	aaatcagcag	240
gcggcacagt	tccagcctca	gccccaaagc	caaaccacag	cgcaagcacg	agctcaagca	300
gcccagaaa	cgcaaatggc	gatatcgcaa	gcagggcgag	ctaattccaca	aatgcagcaa	360
caactatctc	aaagccccgc	tatgccgatg	ttgaaccgtc	ccatgccgcc	tgggcagatg	420
tccccaaagg	aagtggctgc	acaagtccgg	ccgccgtcgc	gggctcccgg	gatgggacaa	480
cagcccaatg	gcgtgcaggg	tcttgcagga	cagcccggaa	tgcaaagtcg	accccagatt	540
ccccctggtc	tgccaccgcg	ggcgcacgaa	cagctggctc	aaatgacccc	tgaacacctc	600
aatgcttttc	ttttaaatca	gcagcgccgt	gctctcgcaa	ataaccaagc	tctcgcaaga	660
gcaaatgctg	gtcagcaacc	gttgcccatg	cagcagaatt	tgtcgcaacc	cggccagaat	720
cagcagatgg	tgaacaatca	gatgggtaat	aatcagaaca	tgcgcgcgtc	tctcggactg	780
caacagcaac	tggccggaat	gaacaatgga	caaatgccca	atcagatgct	cgccgggcag	840
cagatgtcgg	ctcagcaacg	gcaacaacaa	cagaggcagc	acgacttgta	caaactgcaa	900
cttctcgcgg	agcagagtgg	gagcatagag	atgacgcctg	atcaggtcaa	ggagatggat	960
cgcattcaat	tccctcctgc	gatcctagct	aacaacccga	atatgggttc	cccagtcctg	1020

aagcatatca	agacctgggg	tcagttgaaa	caatgggtgg	ccgcaaacc	gcaagctctt	1080
gggggagttg	atttgcagaa	actcatgact	ttgcagaagc	tacatcttgc	ccagattgta	1140
gctcaaggga	aagaaggagc	cgccgtaac	gtagatcaga	atggccagg	caactgggga	1200
cagatgatga	ctttccagg	acagccccag	cagtttgtga	atccacaagc	gtttcaggcg	1260
ggccagcagc	aagtaccaat	gaacatgccg	gcgttgaggc	cggtcaccgc	caactgaaatc	1320
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caggcttttag	ccgcgcagaa	tatgaaccaa	aaccagcaga	accaaaccgt	gcaacagcct	1500
ccattgtcag	gcccttctac	caatcctcag	gcaaagcagg	gtcctcagca	gcccacccca	1560
cctcaaaacc	aacaaaacca	aactgtcaag	gctcaaaata	cggcggtgc	gaagggtgta	1620
aagggtcgg	ctcccaaaca	gggcaccaag	cgcaaatac	ccgtgatga	gcctacagaa	1680
gccaagcag	caccagtctc	aaagacagcc	cagcccacta	ctactcaagg	aggagtatcg	1740
gcgcgcctt	ctagacccaa	tatgactatc	acgcccagc	aactggctgc	aatgaccctt	1800
cagcagcgca	tgcagttagc	gcaaattgct	agacaacaag	gtcaacaacg	gcttccgac	1860
agtcgagcag	cggcggagga	agcatggaac	aacctaccg	agaagattcg	acagctctac	1920
aacgatattg	cgaagaatgc	gcctgcagcg	gaacctgttg	cccttccacc	ggagcagaaa	1980
gctgccatga	cccagcaact	tcgtgaatgc	accgacatgc	ttggtagaat	ggacgctctt	2040
gccaatggt	tctcaaaaat	ccctggccag	gagaagaacg	ttcgagttt	acttgcaatg	2100
gtatgtccgc	agtcgaccct	ggaaccgcgt	cctcccgga	ttacatact	aactcaatct	2160
tga						2163

<210> 11423

<211> 1023

<212> DNA

<213> A.fumigatus

<400> 11423

cgtatacaat	taatgaggca	atttaaacc	ggccggact	ggacgatcaa	tgaccagttt	60
accattgctc	cagaatatct	tagcggcacc	atcaattaca	tccgaaagct	gttccacgct	120
atgatcactc	gggtgaacca	acagcaaat	caacctcctg	gccaccggcc	gagtagcgtg	180
ccacaaggat	cctctaccat	gccgcagccc	aatcaaaaca	atatgcctgc	tctaaatgca	240
agtaacttgc	agcagcttca	acaacaggaa	gaggtctctc	agcgagccc	aagagcctca	300
agccaggccg	cttcggcaac	atctgcagt	ccgcagccac	cttttgagc	gccatctccc	360
caaggagttc	cacacgttta	cggtccggga	agcattccgc	ccgagaagtt	gaagattcct	420
ccttcgaaga	aaaggaagca	gtctcatcct	ggcgggactc	caaccaagg	tcaagctcct	480
ggcacaccag	tctcgaagtt	gcaggcggt	aagcaggccg	tgcttgaggc	taagccagct	540
ggctctagtc	tgggtggccc	attcaagtgc	agcgttattg	agtgtcagta	tcaccatctc	600
gggtttcgca	ctcaggatgc	acttgataaa	catgtcggag	aaagccacaa	ggtggaggag	660
ccgatcaacg	atcctctcga	gtttgccatt	gaaagcttcc	acactagtct	tgtgaaggac	720
gaagagggag	cccaacctca	ggatctcacg	aaggaccttc	ttaccaccgg	tatcgtttcg	780
tcttccgcaa	agcatgaagt	caagggtgaa	ccaatcgctc	ctaataccac	cgggtgtgggt	840
cgcgcgccc	gaccccttgg	cactaagccc	gcttctcctg	gttcgactca	gcagactcct	900
cgtacaactg	cggccaaagt	tcccaccttg	tcggcgctca	agccaagccc	gagtaaggat	960
ggtaagaagg	aaactgtaaa	gccgggtgat	cagtcttccg	ccggccgggt	ggaaggatac	1020
gaa						1023

<210> 11424

<211> 288

<212> DNA

<213> A.fumigatus

<400> 11424

ttctcgcgca	acgactgcgc	accagccatc	actccatcca	accacgccct	ttactccgat	60
gcatacttcc	tcgtccactc	ccgggcaatc	tctcgtacc	gcttgggac	attcttgtat	120
tgctccgcga	tccgtccttc	aaccgcacgc	tccggcatgg	gctctttgag	caactgccgc	180
gcgaactcca	gcacagccga	aatccgcgag	ctgggtttcc	attcgtcggg	ccgtagcatg	240

cctagacaca tactccccctt gtcgtcattg gtgacattcg gatggtag

288

<210> 11425

<211> 318

<212> DNA

<213> A.fumigatus

<400> 11425

aaaggcaaat	tccatgtcaa	gctcgtcctt	cccaccgagt	atcccttcaa	accgccgaca	60
gtatcgttcg	cgacgaagat	ctaccatccg	aatgtcacca	atgacgacaa	ggggagtatg	120
tgtctaggca	tgctacggcc	cgacgaatgg	aaaccagct	cgcgatttc	ggctgtgctg	180
gagttcgcgc	ggcagttgct	caaagagccc	atgccggacg	atgcggttga	aggacggatc	240
gcggagcaat	acaagaatga	tccaagcgg	tacgaggaga	ttgcccggga	gtggacgagg	300
aagtatgcat	cggagtaa					318

<210> 11426

<211> 222

<212> DNA

<213> A.fumigatus

<400> 11426

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cacgaccagg	ccctgacccg	caagttcgat	ctgtggagta	tgctcgcgct	ggcgttttgc	180
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<210> 11427

<211> 1236

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (642)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11427

ttgcgagtag	gaacgtactc	gacttttcgcg	cagggcctca	gcagcgggct	gaccaacggc	60
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gtgtcgtctg	gcgaattgac	gagtagcatg	ccgacggcgc	tcgggcaggc	gtactgggtg	180
tacaggctgt	ggcatacgcc	gacggggcgg	ttcgtgtcgt	acctgtgtgc	gtggatcaac	240
acgttcgggt	ggtggacgct	cacggcgtcg	cagattgcgt	ttatgaccga	gtttctgctg	300
gggatgaagg	tgatgtttga	tgagaagtgg	ggcggggccg	gggtcggctg	gctgcagttt	360
gtgatttatc	tcgggctggg	gttggttctg	acgggggtga	atgtggtggg	gtgtcggcgg	420
gagaagatcc	tgccgtggct	gaatgggttt	gtgggagtgt	ggttcaccgg	gttgtttgtg	480
gtgctgtcgc	ttgcgctgtt	gatttcgggt	ggcaccaagg	cggacctgtc	ggttcagcca	540
ggggggggtt	tctttggggc	ctggatgaac	cagacgggtt	ggagtgatgg	ggtcgtgtgg	600
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gtcagaggaga	tgccggctcc	gcggatcaac	gcgccgaggg	tgacgtatct	ggcgggtgctg	720
tcgggtgctg	tcacgggggt	tggttcatg	gtcgtctgtc	tgttttgcat	gcaggatgtg	780
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atcagtatcc	tgacgactgc	atcccggctg	acctgggggt	ttgcccgcga	cggcgggtctc	960
ccctggagtc	ggtacctgac	agtgggtggat	cccgcgtgga	aggctccggg	ccgcgcgctc	1020
tgggcgcagg	gggtcttgat	tgcgctcgtt	gggggtgctct	acctctttgc	caacacggtc	1080
ctcagggcga	tcctcagcgt	cagcaccatc	gccttgacca	tctcctacgc	gctgccatt	1140

gcggtactgc aacgtgtggg ccgggaccag ctgccgctg gtccttttcg tctcgccgcg 1200
 tggggaacgg cagtcaactg ggtcagcatt gtatag 1236

<210> 11428
 <211> 453
 <212> DNA
 <213> A.fumigatus

<400> 11428
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 acgacgacgg agcagatggt tactgcgatt tcggtgacaa aaagcgcgac tgcgactgcc 180
 actgccactg ccactgccac tgcaaccggg tcaagaagca cgaccacgag ggagactgag 240
 actgcgactg aggggtgaaac gggaagtagc ccgcattctc atcttgtatc ggtattgagc 300
 acaagtgtag cggccgagac cacgtctagt actagccacc gtagtgccgc gaccacggca 360
 gcattctcgc cgaataacaa cggagcctct gctatgggag tggaagcgcc cgttctggct 420
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<210> 11429
 <211> 1293
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (598)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11429
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 ggtcaaggcg atggtgctga cgctgaggat cgcctcgagg accgtgttgg caaagaggta 180
 gagcacccca acgagcgcaa tcaagacccc ctgcgcccag agcgcgcgga ccggagcctt 240
 ccacgcggga tccaccactg tcaggtaccg actccagggg agaccgcccgt cgcggggcaa 300
 cccccaggtc agccgggatg cagtcgtcag gatactgatg ccctggccga ctccattgaa 360
 gatgaacagc gcgatcagag cagcgcccc cttagggccg accgtctcca gcatcagctc 420
 gataaacggc aatccgctcg gcgagtccac aatcctatcc acatcctgca tgcaaaacag 480
 acagacgacc atgaagccaa accccgtgac agcaccgac agcaccgcca gatacgtcac 540
 cctcggcgcg ttgatccgcg gagccggcat ctctcagacc atatggatga ccgcgtcnaa 600
 gccagtaagc ccatacgccg cctgcaccag ccccgtaaac cacacgaccc catcactcca 660
 acccgtcttg ttcatccagg ccccaaagac aacccccct ggctgaaccg acaggtccgc 720
 cttggtgcca accgaaatca acagcgcaag cgacagcacc acaaacaacc cgggtgaacca 780
 cactcccaca aacccattca gccacggcag gatcttctcc cgccgacacc ccaccacatt 840
 ccccccgtc agaaccaaca ccagcccag ataaatcaca aactgcagcc agccgacccc 900
 ggccccgccc cacttctcat caaacatcac cttcatcccc agcagaaaact cggtcataaa 960
 cgcaatctgc gacgccgtga gcgtccacca cccgaacgtg ttgatccacg cacacaggta 1020
 cgacacgaac cgccccgtcg gcgtatgcca cagcctgtac acccagtagc cctgcccag 1080
 cgccgtcggc atgctactcg tcaattcgcc cagcgacacc gcaacacaaa gggtacagac 1140
 cgtcaccagg accagacccc agaggatcgt aatgggaccg ccgttggtca gcccgtgct 1200
 gaggccctgc gcgaaagtgc agtacgttcc tactcgcaat tagcccgccc gccactatgc 1260
 agtaagaagg ggcaatggca aggaataacc tag 1293

<210> 11430
 <211> 534
 <212> DNA
 <213> A.fumigatus

<400> 11430

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ctacgggggtt	tgagcttttc	agaaaggacc	aaatccacca	aaaagcacct	ggccgaaatg	180
tgtacccttc	agaaaaccag	cataaacaac	caattttacc	cattacaaaa	agttgataac	240
gcccacgagg	taacagaagc	ctccagcaaa	tcgttcgtgg	tcgtccacct	cacatatacc	300
agcgggaaag	tcgagtcacg	ggctcctgtcc	gacctgtggc	gtcaactaga	tatgaaatac	360
ggtgacatta	aattctgcga	gatccgcggc	gatatgtgca	ttgaagggtg	cccagaacgg	420
aatacgccga	cgattctggg	atacaaggac	ggagaaatta	ggaggcagct	tgtcacacta	480
cgggagctca	atggacccaa	gactaagctt	gaaggtgcgt	ttactaatga	ttaa	534

<210> 11431

<211> 750

<212> DNA

<213> A.fumigatus

<400> 11431

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gtatgtgatt	cattcgttcc	tgtgaaagtg	ttagggctgc	aatacatgcc	cgcgctgaaa	180
gcatactgtg	gaataagagc	gactgacata	tccccatcg	atgccttcag	tcagcagcag	240
ttccgcgagc	gaaaggagcg	ccatgtccgc	gaactggaag	agaaagtcag	cgcactcgag	300
caagaatcca	ccaccctagc	cgccgataac	gaacggctga	agcgggagct	ggccaagtcc	360
gcaactgaga	atgaggctct	acgggctacc	acgggccaat	tggcgagctc	gcaaggccgt	420
catctggact	cggagccaac	catcacaggt	ccgatgaagt	acaccctac	tgacttttac	480
acgaacctcg	tgccgaaggg	ggagccggcg	cctacacatc	gagtgacggt	ctgtgagaag	540
acgggcgaga	ggctcctcga	tgccggggcg	acctgggata	tgatccaggg	gcatgagctg	600
tacaagcagg	gtctggtcga	tatcggggat	gtctctaata	gtttgaaggg	aatggctcag	660
tgtaatggac	agggtcgggc	gttcagggag	ggccaggtgc	tccaggccat	tgaggcgagt	720
gctgcggctt	gccgcgatga	attgatatga				750

<210> 11432

<211> 192

<212> DNA

<213> A.fumigatus

<400> 11432

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atctacatct	tcatcattat	gattacgcag	aatcatgcc	tgctgcttag	aagctgggtg	120
caattattgg	gagcggccaa	attaacgggt	gctttgcata	tatgttattc	taagttgttc	180
ctttccttgg	aa					192

<210> 11433

<211> 1128

<212> DNA

<213> A.fumigatus

<400> 11433

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aagttgatat	cttcccgttt	ccgtcatctg	aacgagacac	tgtatacaac	accctctacc	180
aaggcccttg	aactgttcac	ctctaacccc	gagcttttcc	atgagtacca	tgccgggattc	240
tctcgccagg	tcaaagagtc	gtggccttcc	aaccctgttg	atggctacat	tgccgctatc	300
cgcaagagag	gaggcgtgtc	gtcaggttcc	aagaagggca	acaaacctga	ccataagaag	360
aatgcacagg	ctttgcccgt	tccccggaga	cctaaccgggc	tctgtacaat	tgctgatctt	420

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ggctgcggcg atgcccact tgcgcgggct ttgacaccct cagcacagca attgaacctg 480
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tctaatttgc ccattgccga cggatccgtg gatgtggcta ttttttgtct tagcttgatg 600
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gcgggcgagg acgatgctgg ctccgatgta gacgatgcag atatctatgc agaagacgct 840
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ggcttcatcc tcaaaccgga atcggttgac aagtcgaaca aaatgttcgt gaagatggaa 960
tttgtaaagc aaggtgggtgc cccgactaag ggcaaatatg cctcggtcgc ttcagcagga 1020
ggacccggga agaaaagatt catcgacaaa gcgactgatg ttggcgctgg catgtctcct 1080
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<210> 11434

<211> 324

<212> DNA

<213> A.fumigatus

<400> 11434

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tctggcacat ttacagata tgatgcaaag gccattgggt ccggaagcga aggtgcgcag 120
gcggaattac agaatgaata ccatcgttcc ttgacactgc ccgaggctga gacactggta 180
ttgaaaacac tgaaacaggt catggaggag aagctggatg cgaagaatgt ccagctggct 240
agcgttacta aagagaaggg ctttcatatc tacaatgacg aggagatggg ccgggctggt 300
gcgcaattgg gcggtaatca ataa 324

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<210> 11435

<211> 414

<212> DNA

<213> A.fumigatus

<400> 11435

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ggtctgcagg ccgatgcccg gtccctcatc gagcacgcc cggttgaatg ccagaaccat 180
gcctttcact atgcagagcc tctgagagta gagagcacia cccaagcgat ctgcgacctt 240
gcacttcggg tcggcgagac cggatgatgac gatgaaagtg tcatgagcag gccctttggg 300
gttgccctat taatcgcggt ttatgatgag gatgggccac aactgtacgt tgtacactcg 360
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<210> 11436

<211> 1002

<212> DNA

<213> A.fumigatus

<400> 11436

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acctcgaata cttcagggtg tactatcttt aataattata attatcctca tcatcaccac 180
caacagcaac agcctcaact tgtccatcac ccttttgttg ccgtctcgtc ggctgggaca 240
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ctgaaacgta ttgcgtccca tgtgatgtcg gagcacaatc gcaagaagag attggagaac 540
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agctccaatt	cctccagcgc	aactgcggca	tcagcgcctg	ctccgagttc	ggcctcgtcg	660
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gaccaacggg	ccgaacagga	acacgatcaa	ggtcaaccac	agatcaagga	agaggaggga	780
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ccttcacaga	ctcaatcagt	tgaccccgaa	caatcaagat	cctctccccc	atgggatgga	900
ttaggccaa	gagggaaaga	tcctttcaat	actttgcata	cgctctctc	ggataggatg	960
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<210> 11437

<211> 1563

<212> DNA

<213> A.fumigatus

<400> 11437

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cggacaggaa	accggggagc	gacgtcgacc	gagccggaag	agaaggacat	ccagcaggag	120
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ttgctgcagg	caatgggtcaa	tagctacgcg	cagaagtccc	ttattgagac	ggtctacagc	480
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cagagcgccg	tgccggggtc	tcttcagatc	gagaacctga	gcgtgctggg	gcaagaggtc	660
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taa						1563

<210> 11438

<211> 819

<212> DNA

<213> A.fumigatus

<400> 11438

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gatctcaatg	agtggtttga	cagtggcgat	gcgcgcgata	agaaatacgg	cgggcagatg	180
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ccggacattg	ccggcgcaga	ggaaccggcc	ccatcgatat	ccaaccccga	gtctcgttcc	720
gataccgacg	cttcggacga	cgactcgcag	tcccgaagtc	tcgtgctggg	tcattatacc	780
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<210> 11439

<211> 216

<212> DNA

<213> A.fumigatus

<400> 11439

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agcatcgcca	tccccaacct	catctgccc	gtcaccatca	atgctggcag	gcacggacat	180
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<210> 11440

<211> 312

<212> DNA

<213> A.fumigatus

<400> 11440

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<210> 11441

<211> 468

<212> DNA

<213> A.fumigatus

<400> 11441

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aaccagtggt	atgaagaccc	cggtcagct	accgatcagc	gagtagaaga	actggaactg	180
gagaatgatc	agctgcgaag	caggattgct	gccctcgaac	gtgaactcat	gggccgctca	240
cccaccaaga	agccgaaatc	taagaacgca	ttggagcctt	cgcattggatc	caatcacctt	300
ggctcgtgaa	gtgacatcga	gagcgcactc	cgctcgtatg	accagctgaa	attagctgac	360
agcatgttct	ctcctgccac	ttccggcaac	tcattcccca	gcaagaagca	cagaaagatg	420
gcaactcgca	agtgggattt	tgcccctgag	gaagatatct	acgtttta		468

<210> 11442

<211> 489

<212> DNA

<213> A.fumigatus

<400> 11442

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tcgtcttcca	tatcttgcgc	gttttctgtg	tcttccccgt	taccttcgcc	ttcttctagg	180
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tcttcgcctt	caccttcttc	taccgtggtc	tcgcctcccc	cttcagcttc	gttcagggtca	300
gcctcgccat	ccccaacctc	atctgcccgc	tcaccatcaa	tgctggcagg	cacggacatc	360
tccgaatcag	gatctggcga	aatacgatcc	cgtagattgg	ggaagagtag	tttgcgctct	420
gccgcaagct	tcgacaactt	ctcatcatca	atttcgctga	gctcgccttc	atcgtcggcg	480
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<210> 11443

<211> 690

<212> DNA

<213> A.fumigatus

<400> 11443

ccgccttttc	agccagcgga	aggaagccaa	actctcatgg	ccacccccctt	ggctcgtaaa	60
gtccaacctc	ctgaagacaa	ggccggatgg	aaaccataca	ttttggaggt	actccggcgc	120
ttgaagcatg	cggataaatc	gaattggcat	caccgcatgg	ctgttcgggc	agcacacgtc	180
acctacgatg	acaccaggga	cactgtctca	gcagcagcag	ccaaaaatga	acttacgcag	240
cagatattca	ccaagactat	gactattcag	gtctggaggc	ctgagttcga	gcgtcctgga	300
agacatttcg	tgtacactac	ccgatatgta	tacttcttcg	ttagtctgct	tgatcaactc	360
aatgaccgag	ccaatctgga	tcagctattg	cgtcgcgtga	gaaagaagca	aggtgacttc	420
atcaaccaca	ccaagctatg	ggaggatgtc	tgcccttacct	acgcaaagg	cattcgaaga	480
gcaggcagta	tcaacgaggg	acatgaagag	aatgtattca	agccaattgg	atgggaagaa	540
ttcgtcgcca	acacagcccc	cctgggagaa	tcttccccag	ctagcaccgg	gcagccaagt	600
tctactggaa	ctgcttcgcg	acgctatcga	actgaaaaag	ctcaacaaca	acctcatgaa	660
agtgtctttg	ctcgaagacc	tcctcgctga				690

<210> 11444

<211> 1116

<212> DNA

<213> A.fumigatus

<400> 11444

gaaagaagca	aggtgacttc	atcaaccaca	ccaagctatg	ggaggatgtc	tgcccttacct	60
acgcaaagg	cattcgaaga	gcaggcagta	tcaacgaggg	acatgaagag	aatgtattca	120
agccaattgg	atgggaagaa	ttcgtcgcca	acacagcccc	cctgggagaa	tcttccccag	180
ctagcaccgg	gcagccaagt	tctactggaa	ctgcttcgcg	acgctatcga	actgaaaaag	240
ctcaacaaca	acctcatgaa	agtgtctttg	ctcgaagacc	tcctcgctga	tctatactct	300
cgcctctacg	agatcaacat	gccccaaagtc	ctcgagcaag	ccaacgagga	gaacaaagag	360
aaaatgaaag	tcgaccacct	cctaattggcc	agcgacggag	cggcagatac	ccccaccctt	420
ccgaactcgg	cccctgcctc	agaagcgccc	gcccctcgag	gcgcaccaa	gggcatcgcc	480
cgaagggacg	tccaaaagcg	agccgaaact	atcgtcgccc	gcaaaactcac	cccgcgcgcg	540
ccggctgcaa	aggcatctgt	gcctgcggaa	tccgagccac	ccgctacatc	tgagcctgcc	600
ggcgccttctg	gaaatcagcc	caacaagacc	agtttcgaaa	tgggtcagca	gagcgatatc	660
ccgcagagca	ttcaagatag	cgccgacgat	gagagcgagc	tcagcgaaat	tgatgatgag	720
aagttgtcga	agcttgccgc	agagcgcaaa	ctactcttcc	ccaatctacg	ggatcgtatt	780
tcgccagatc	ctgattcgga	gatgtccgtg	cctgccagca	ttgatggtga	cgcggcagat	840
gagggttgggg	atggcgatgc	tgacctgaac	gaagctgaag	ggggaggcga	gaccacggta	900
gaagaagggtg	aaggcgaaga	tggagaagag	ggtgatgaag	cagatctcga	gcgtgatgaa	960
aatgatggcg	acgaagaaag	cctagaagaa	ggcgaaggta	acgggggaaga	cacagaaaac	1020
gcgcaagata	tgggaagacga	ggcagaagaa	cccagaggtca	tcgagggtga	tccgccaaaa	1080
gagaatgctt	ccgagcctga	gccccatggag	acatga			1116

<210> 11445

<211> 186

<212> DNA

<213> A.fumigatus

<400> 11445
 cgtttggatg tcgtttttgc ttcgaaatcg ccatccgagg cgttcccgga aatcaaactt 60
 aaggcacaat actcgacat ccacaaaact catcgtaata cagtcgcctc gaatatccaa 120
 cctgtctata agcctggcag ggttggtttt ttgcttgagg caccacacca ttgccaaaat 180
 ccatag 186

<210> 11446
 <211> 582
 <212> DNA
 <213> A.fumigatus

<400> 11446
 tgtccagaag caatatgggt aaatgctcac acttgccct gcagattcat acaaattctc 60
 atctatagcc accggagggt actcttggtt accacttaca ccactttct ccttatctcg 120
 attggttctc taatgattat caattctatc cctgactatg gagctcaaag actttggtca 180
 gcaatctttt acggcggtgca cttgatctgc atttacccta ttctcacggc gctagggtgt 240
 ctggggatct tctgtcaagc tcgtgagatt atggttgac catttccaaa tgcgctgagt 300
 ctacagggtc tggctctgca agctctcatc ttcactctta tctcagtaac atggataccg 360
 agtcttccat ttccgtatga gaaattggag ggtcggttaca attggaatac ctttactgtg 420
 tggtaggggg ctggttggtt tatcattgtt aacagcttta tctttgccct cggccaggct 480
 gtacttctgt tactagcctt gcatcgctcc tctttgagca aagccactat acagcggggc 540
 actgagacag agccgctttt ggggcatcca gctgagatgt ga 582

<210> 11447
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 11447
 ccaggactca ccaggcatca gggctacaaa ttcatcttgc tcgttgccgc cgacatttac 60
 tgggacggac ttggaaaatc tgtacctgtg atatgtaaaa ctgccgggaa gttcatgtgg 120
 gctccagtgg tctgttctc tgaagtaaa cctgaagccc cctggcggc tatcgatctc 180
 tttgaatatg ggcgtatgaa atgtgactgg ctttctgtct aa 222

<210> 11448
 <211> 267
 <212> DNA
 <213> A.fumigatus

<400> 11448
 gaagatgcag ataggcattc attagccagg tcagtaatta ctacaacata cacctccatt 60
 atctgtgccg cctccctgta tgacagccgg tcttcccccg tcgatctgac aaaactccag 120
 aagggcattg aggtgcacct atatgacgtg caatgtatac gcccatctcg atcatgttca 180
 atattgcagt tcttccctt gtcgaggcac tggaaagaag ctacagcgggtg gatacgacct 240
 cgaagtgggt ctgcagagcc aaggtga 267

<210> 11449
 <211> 384
 <212> DNA
 <213> A.fumigatus

<400> 11449
 catcgacagg tgagctttgc cttgcttctc cttcagggtca agttgaagac cactttggga 60
 agtgtatctg accgtagtag acatggaatc ggccgcgtgg ttgaaatggc gctcgtctac 120
 atcggcaacg acacccccat ccactctctc ttcgacgttg acgccttggc ccctcaatgg 180
 gctcctagca caggcactcc cgtccgtgga ggtctgactc tgcgtgaggg tgacttctac 240

tgtgaatgtg	ttcacgagac	tggaatttg	atcgccatgg	atctggtaga	ggtcaacccc	300
agcctggacg	aagtcgggtg	ttcagagacc	attcgagccg	gttgctcttt	ggtgcggtgc	360
gcactggggc	acacactgct	gtga				384

<210> 11450
 <211> 297
 <212> DNA
 <213> A.fumigatus

<400> 11450						
cacccaacta	tctttgtttc	cccaaacgga	gtccctctca	gaatcaacgg	gttatctcta	60
cgagtgtatc	gctctattcc	tccatgcac	gtcactaagt	cctatctcga	atacactact	120
ccgcacctcc	caccaacaat	ggccgcccgc	gtccagcgcc	gccgccgata	ccgctggccc	180
gaactccaac	tcaacatctg	gatcatcatc	gtgctcgccg	gctccgcaat	ctgcctaggc	240
atcttcgcct	ggttcatggc	ggtacagtcg	cagctccgtc	tggggactcc	atggtag	297

<210> 11451
 <211> 588
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (108)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11451						
tgcaaagtag	gcgtcgaagc	agccccgctc	gcattgattg	aagccggtct	tttgaatcaa	60
gtgcgcgacg	acctgggcta	tcaacttcac	tatgacgaca	ctgtgcanta	ctacgagagc	120
ctgacccccct	tgagcgaccc	cgaccaccgg	ggcatgaaga	agccgcgcgc	cgtcagcgctc	180
gtgacggaga	cgctcagcaa	gcaggtctac	gactacgcca	aggacggcaa	gttcgtcctc	240
acactaggcg	gcgaccactc	gatcgccatc	ggcactatct	ccggcacggc	caaggccatc	300
agggagcgac	tgggcccggga	aatggcggtt	atctgggtcg	atgcgcatgc	cgatatcaac	360
acgccggaga	tgagccccag	cggaaacatc	cacggcatgc	ccatggcctt	cttgaccggg	420
ctggcccggg	aggacaagaa	ggatatcttc	gggtggttgc	aggatgagca	catcatcaac	480
aagaacaagc	tgggtgtacat	cggcctgcgg	gatgtggacc	gcggcgagaa	gcagctgctg	540
cgggagcacg	gtatcaaggc	atttagcatg	catgacatcg	acaggtga		588

<210> 11452
 <211> 501
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (12), (300)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11452						
gacatagtgc	gngacctcca	gcaggaacaa	gaacggccag	tactcgtggg	ggttttgccc	60
ggaatggctg	gcaactgggt	gctgcacgag	ttgggagcct	tttgcaccaa	gccgaacttg	120
gcttgggagt	cgcaacgagt	acctgctgaa	acctttgcgc	aaatcatcga	tcagctgcag	180
cgaaaacgca	ttacgggggc	taccgcaaag	caggtgctcg	cgatgggtctt	cgatgggtgat	240
cgccgacctg	atcctcagct	cctcgaggaa	gaaaattttac	tccttcggcc	gctgtcccgn	300
gacgagtacc	ttgctttggc	ggaagccgcc	atcggtcaga	acccgcagat	ggtcgagcag	360
atccgcgcca	agaaccagct	gggtaagcta	ggctgggttg	tcggacagat	gatgcgcatg	420

ggcgagaagg gccgggtaga agctcagaaa gcggatgaga ttctacgaga gctcctcctc 480
 ggaaagtctg accagccgta g 501

<210> 11453
 <211> 363
 <212> DNA
 <213> *A.fumigatus*

<400> 11453
 attgacttga ctctccatt tcgagagtca ctttctactct cattttccca tctcttccca 60
 gctatcaata gtgttcgagc ttgtacttgg aaccgaactg actcgcggcc tgaggcatct 120
 catctcggat ctaatctcca ccgcgcgcaa tctttatctt atcgcttttag ttcttctaga 180
 acagtgtctt ttttccgcta tcaagccttg atctttgctc tggaccttaa cgtcgttata 240
 caaattaaat cctccccact cactttcaaa atgacagcgc cgtcgactat caagcaaaga 300
 ttctgtgcca agccaaatga gctgggctg gtcgctgtcg gatttaacgg tggtcaggta 360
 tga 363

<210> 11454
 <211> 1332
 <212> DNA
 <213> *A.fumigatus*

<400> 11454
 atccttcgtg gtattccagc tgcattagtc cagttgagcg tctggcaccg agtttcccat 60
 aaatccagca acgagaaact ggccaacgtg ttcgtgtccg tgttcactac cgccatgccg 120
 tctattcagg ttggccttgc cgtgggcaat ggcactggtc ccgagctgac agtcatcttt 180
 gagcgtgtta ttcaatcgct ggctgctcgc tacaatgtca gcgtcacctt cctgcgttcc 240
 ccacgcactc acaattccta ctctcgtcta ttagctatca acgacacgga cgccgtgacg 300
 gaagaaacat tggcagacgc tgcccactat cgccaattct gcagagaagc cgtcccatgc 360
 ggcgtgctg cgatattccg cacttcgact agcgcgcaag ccctctatct cgtccgcgag 420
 cagctccaag cgatcaagat cgaacacttc actctgagtc ccacctcgtc gatcctcctc 480
 gtccgcgacc aggcacaggg cttctactcg ggcaccaaca gcgtcaacac cagcaaggat 540
 gccgtctccc gcaccgcgca cttcagcaag gcggtcttca cccgcatect ctccttcgca 600
 ctgctgcgcg cgaaccagct ctggggagga accaactcgg tcaccatggg ctacaagtgc 660
 cactcttctg acggactgtt ccacacctgg gccacagaat gggagcggac cttcggcgtc 720
 cgtatccggt tcgtacaggg ggacaccatg aaccgcgata tgctagcctt cgggggtgagc 780
 ggccacaatc tactcatttc cggcaacgag tacgcagaca tcatgcagac catcctgctc 840
 gataggtctg ggctaggagc gcaggagtcc gcctgcgcgg agaagctcta tctgcacccg 900
 gacgtgtggg gcctgagcga gtaccagacc gccacggat ccgcggatga tctggtaggg 960
 aagggcattg tgaatccgac ggcgacgac cgcgcgcgg ccgctgtgct agaggatcag 1020
 gcgggctgtg cgggtgcgac acagaggggtc gatgacgtgt tgggggattt gggggccaag 1080
 ggcattcggga cgctgatca gggagggacc gctacgacgg aggcctttgt ggaggctttt 1140
 ctgcaggggt taggtcagcc actggacgcg cacaacggcg cgctcctctg gttttcgggg 1200
 gaagcgaacg gccgtggtgg tcgtggattt ccagaacgat tttgtcacc cagccaagaa 1260
 ccaatcggcc atggcacggg tggcagcgaa catcccgcga gtggtggaat gggcccgcga 1320
 ggctcgtatt ga 1332

<210> 11455
 <211> 648
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (525), (574), (609)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11455

caaggcatcc	gcaaagcttg	tcggcctctt	gtcgtctctg	tctgtctcac	catggagacc	60
atctcctctg	gtttccacct	cgccgacggc	aatggttaca	tgctcgacaa	aggctatgct	120
gccagatgtc	gtctgaacct	ccagttctat	ctctggaaga	actcgttggc	cttcaacctc	180
cacccatcga	tccccatccc	acatacccac	ggctcgcgcg	cactgagaat	tgccgacctt	240
gcctgcggca	caggcatctg	gtcctctgat	ctcgcctgtg	agttaccgga	acccgctgtc	300
ctcgaaggcc	tcgacatcga	tttgtccaaa	gccccaccgg	ctcaatggct	gccaaacaat	360
gtcaccgtcc	acaactggga	catcctcagt	cccgtcccag	aacatcttgt	cgggagatac	420
gatatagtcc	atctcaggct	tctgatccta	gtggctcgagc	acagtgatcc	gggtccccatt	480
atccagaatg	cgtaccgcat	gctaaaaccc	ggcgggtaca	tccantggga	tgatctcaaa	540
ctacctgata	cccatgttca	gcaaggcaat	ccangcgcaa	acaccccggc	attcgatcgg	600
ctgcttcana	atttgtccgc	tccaatggaa	gaacttgatg	ggtgctga		648

<210> 11456

<211> 702

<212> DNA

<213> A.fumigatus

<400> 11456

ggaactaata	cactgcagag	gcccctttctc	cacttctact	ctccggtctt	catcctttac	60
gagctctcta	gccccttcct	caacatccac	tggttcttgg	ataaagtcaa	catgaccggt	120
agcaaaactgc	aatggtataa	cgccatgtct	ctgtctatcg	tggtcttttg	ctgccgcctc	180
atttggggca	cgtggcaatc	agccgcagtg	tacaaggaca	tgtggtacgc	tctcaagaag	240
acctgggtctg	catcagaatc	cgccgcgctt	aacccagtcg	acatcactac	ggacgttttc	300
cagatccgcg	atgggtccat	ctgtgtcaat	gaagcctgtg	cgagggctca	ggcagagatc	360
tccaagttct	ccaaatacac	cgccggcggt	gtgccacact	ggctggttgt	gacgtacgtc	420
gtctcgaata	tcgtctcaa	tgggtcaca	tactactgg	taccaagat	gattgatgcy	480
gtcatcaaac	gcttccgtgc	gcctgcgcgc	gcggttaagg	cgaaggga	ggagctcaag	540
caggatgtgg	ttatcgaggc	tgctaccaag	ctggaaaagg	aggagggagc	tttcaccact	600
ggcgatttgg	ctagcgagaa	gattgcttct	gccgtcgagg	tagggccgag	cgaagagttg	660
cggcagagga	atcctaactg	gcccaccgca	gcccgtctct	ag		702

<210> 11457

<211> 588

<212> DNA

<213> A.fumigatus

<400> 11457

cgagccctca	ccagctggct	tgagtcggca	gacttagcaa	aaacccccaa	ctgggggtcaa	60
tacgtcgaca	tgatagacct	tattccgcgc	cctccaaggt	ggcttcgaga	cttggttagaa	120
ccgtggggcg	tataccttaa	catcccgcc	gtaaccgacc	atgtccacga	gatcatcgcc	180
gccttcgcgt	tctaccagtt	catccattca	tacctatcac	cgtggttgtc	tccgcggcta	240
ttccctcgcc	attacccgaa	cctcaataat	cggaccagc	tcaactggga	tgtccatgtt	300
gtgtccttgg	tacaaagcgt	tttgatcaat	gcggtagccc	tatgggtgat	gtttacagac	360
gatgagcgga	agtcgatgag	tcccgcgtgag	cgggtttatg	gatactcggg	ggcttgcgcg	420
ttcatatcgg	cactggccgc	gggtacttcc	atctatgatc	tgtacgtcag	tactgtctat	480
gtgaagattt	ttggcatcgg	aatgctattc	catgccgtca	gtgccctgtg	ggttttcagt	540
cttggtctcg	tgagtggtct	gttatttctt	tccttgcccg	cattctga		588

<210> 11458

<211> 525

<212> DNA

<213> A.fumigatus

<400> 11458

atcttcggac	gggaccagat	gtttttccct	cagatccccg	aaagcatcgg	gccacacacc	60
agcccactag	atccgatcaa	gcttccttac	acgattcgcg	tcgacgaaga	ttttcacaag	120
gaccttacgc	caacggtcta	cgacattcag	gtcgcagtg	aggacctct	acgtgccaaa	180
atgcttgctt	tgacccaaaa	ccctcaatat	acagcgggat	tacgccaaat	tgctgctcta	240
gatgaccagc	tagcccttat	tgtccaagct	ctaaccatt	cgagagccaa	gcactctttc	300
tacaccgccc	taagtaaaga	ccctgccacc	ttcttgccgc	gctgggtcaa	ctctcagcgc	360
agagatttgg	aaaccatcct	tggcgaggca	acccgcggcg	gcggcgagga	tggcagtg	420
ccggaattca	ggagaggagg	agccgagagt	gtttgggata	cacaggtggc	cagggaggct	480
gtgcggtaca	tgcttgccaa	accggatgca	gcagcagcac	gatatg		525

<210> 11459

<211> 918

<212> DNA

<213> A.fumigatus

<400> 11459

gcctttccat	ctcatatcaa	cgtggcgata	cttgaaactg	gcttctctct	tcaaattctg	60
aatgctgac	tgtctttg	catcttctta	gattccacat	ccgtatccgc	gcgtactact	120
tccaatcctc	cgaatggcga	tgccgctacc	gccgaatggt	cctcagccgt	tggccatgcg	180
accacaggca	aatctggccg	cgtcatacat	aaccttcaag	aggaaatcgc	acgtttgaca	240
cgcgaatgca	gtgtatatcg	ctcacgcgcg	gaagagaccc	agcggatgaa	cgatgctttt	300
aagatgcagg	tacagaacat	gaccgagcgc	cttcgaaacc	ttgagcacgc	caacgaaacg	360
aatctacaat	cgatccgacg	caaggacaag	aaaatcgagg	agttacgggc	cgaagtacag	420
agcgagaaaag	aaagacgacg	tcgagcagag	ggagagactg	ataaattcca	gcaattgatg	480
aacgaggccc	gggacgaatt	caatcgaaaa	tgcgcggagc	tgcaggagat	tgccaatcac	540
tctcggacac	agtagcagct	gcttgcgaaa	gccggacaac	gtgaacgcgc	agatcagcag	600
aggaaactga	aagcgatacg	ggatgatttc	ctcgccttga	aagcagaaca	tgaaaaaaga	660
gacgtacacc	tagaacgcct	ggacacggtc	atttcgcaga	agaatcgtga	aatcgagata	720
ggtagagaga	gatttgatca	gctcttcgag	gactacgaag	catacaaaaa	ggctcacgat	780
gaggaggtgc	gggccttgat	cgagaggaac	tatcagggcg	cagccaacat	tgacagtgc	840
ctcgctctc	tcaaggagac	tgaagaaaaa	atgaaatggg	ctatccaagt	caaaaacgag	900
attaaggacg	cccaatga					918

<210> 11460

<211> 207

<212> DNA

<213> A.fumigatus

<400> 11460

ggacgcccc	tgagcgagcg	atacatttta	cgtataatca	atcctgcaga	agaagcacca	60
aacaagcaag	atattcgctt	tctagggacg	cagtcctg	acaaaagtct	tcgtggatcc	120
tggactcagc	gaactaagat	cgatcctcta	gattacttcg	tgctgtgcca	ttctgtcttc	180
accacggggc	tggaaggagc	cgcgcga				207

<210> 11461

<211> 285

<212> DNA

<213> A.fumigatus

<400> 11461

ctacaattaa	gtacgttgat	cgtcctcggt	tcatacttc	tgtcttcggt	atcaacctcc	60
tcttcctttt	cccctccttt	tatttcggcc	cccttggtct	ctctgggtag	tatcgcgagt	120
ggacagtcga	atgctaacga	agttcttttc	actatctaca	ggtgtgtcgt	cgttgggtgac	180
ggtgccgtgg	gaaagacatg	cctccttata	tcttacacaa	caaacaagtt	cccctcagaa	240
tatgtcccca	ccgtcttcga	caattatg	gttactgtca	tgtaa		285

<210> 11462
 <211> 447
 <212> DNA
 <213> A.fumigatus

<400> 11462
 cccggattcg cgtgctatag gatcgggtgat gagccctata ccttgggact gttcgataacc 60
 gctgggtcagg aggattatga ccgtctccgc cccctttcct accctcagac cgatgtcttt 120
 cttgtctgct tctcggtgac ctctcctgcg tcttttgaaa acgtccgcga gaagtgggtc 180
 cccgaggtgc accaccactg ccctgggtgtg ccctggttga tcgtcggtag ccaaaccggat 240
 cttcgggatg accctgccgt tcgtgagaaa ctgcgccgac agaagatgca acccatccgc 300
 aaagaagatg gcgaccgtat ggcgaggag ctgggtgctg taaaatacgt cgagtgtccc 360
 gctttgacac agtacaagct taaggatgtc tttgatgagg ttctgtatcgg ctgcgatgcc 420
 aatcagataa gccatatcgg acgctga 447

<210> 11463
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 11463
 ccatttccttt cagttgccat catctacatc tgcaactcgg ttggatgttg tcatatcata 60
 cagaacccat caagcaagac tgatcgtaac aaaaaaaaaa ccccttttat tctgtctcgt 120
 catattagtt tcatcgtcaa taggtatcat cgatctatta tttcgaagca ttttatccgc 180
 ctttttgaag agaacaaata ccactcgatt gtggccccc actaa 225

<210> 11464
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 11464
 agctctaagt ggccaatctg gctgtactgc atcactagaa aatggattgc gagaggattc 60
 tatgaaattg acagtatcaa caaagcttcc tgcaccgttg agacctttaa tatggactat 120
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<210> 11465
 <211> 627
 <212> DNA
 <213> A.fumigatus

<400> 11465
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 tccccctcat caatgcgcca gccccaaaaa tatcacgcga aatacgacga gagagaccga 180
 caccgggacg gtggaaaatg ggaggatgga aacagtcgat catcgagcc gccggtaagg 240
 aacatgcgag accaggtgcg tctcaatcag ttacaggaag acgagcaagt gcgtgaatgg 300
 gtggcgagcagg aagacatgtt tgttctcaag caagcgaaaa agaaggccga gatccgcgtc 360
 aaagaggggtc gtgcgaaacc aatagattgg ctacgggtta ctctgcgagt tattgatcca 420
 acgcgtaatc ctcttgacga cgagattgcy gactcagagc tggatctggt ggaccccgat 480
 ggtgttttcg aggggttatc tcaaagtcaa ttacttgagc tggagaagga tatcgataca 540
 ttcttgagtc tggagaagaa ctcaaaaaat agggattttt ggaaagtaag ccctatctgc 600
 gtctcgtctc cattcgctcg agactaa 627

<210> 11466

<211> 594
 <212> DNA
 <213> A.fumigatus

<400> 11466
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 aaaacatacg agcaactcga gacccttgag gtgcaggcca ggaagaagct ggactctaac 180
 gagcctattg ataccgatta ttgggaggag cttttgcgca gcctgacggt gtggaaagct 240
 cgcgctaagg tgaagaaggt ccacagggcc gtgatcgatg agcgtgttag aggggttgcgc 300
 aaacaacaat atgaagaggg tgaatctatc cgaacgaagc tcgctcctct tgcgcccgtg 360
 attcagacct atcaggaacg acctcaacag ctttgcgaaa aagaaattcg tgatctagat 420
 ccagagccac tgcttcagat tcgtccagag gataaagggg tggaaatatt ggatgaaggg 480
 gcttttctca atcaagtcgt aagtttccct tgctcttatg tctgtggtcc cagtttggtg 540
 ctgactacgc ttgaaggcac gagagctctt caccagccgg ctggaagatc acgc 594

<210> 11467
 <211> 1383
 <212> DNA
 <213> A.fumigatus

<400> 11467
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 gaatccgcca aggagaccga tccctacgtg cgttctttgg tagtgcattc gcgtcagacg 780
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 cattcggtg tcgacatcaa ttacgcttta gacctgatca ttccagaacg ccagaccg 1260
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<210> 11468
 <211> 246
 <212> DNA
 <213> A.fumigatus

<400> 11468
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 atctgtaccg atccctgtca gctcgctcat cctggctggc ttcttcttct cttgcagcct 180

cttgtgacgac atggttcttt ctcacttgct gacatatttc tcttttcttt ttctattttg 240
gttttag 246

<210> 11469
<211> 228
<212> DNA
<213> A.fumigatus

<400> 11469
ctggatgcag tcaatgatct cggcccacaa accaaattcc ccgtcccgga gggattttctc 60
aactacaacg ggggtcaacta tgtcgccgta tcgctttggg cgctcgagtc tcaaggggct 120
ttgatcgggtg gtctggacct tgttgcttct actcctatcc tgtctggata ccgcaagccg 180
gctccggccc ctcagcctgg gtggaagcct cggcggggcg cctactga 228

<210> 11470
<211> 1587
<212> DNA
<213> A.fumigatus

<400> 11470
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tatttccgtg cgagcatgta tctttgtctt ggcattgctat atctgcgaga aaatcctctt 180
ttaaagagc ctctcaagggt ggaacatctc aaggcccgggt tactgggcca ctgggggttcc 240
gacgctggcc aatccttcac atggatccac atgaaccgct tgatcaagaa atatgacttg 300
gatgtattgt tcatctctgg ccccggaacat ggtgctcctg gcattctctc gcagtcatac 360
ctcgaggggg tatacaccga agtctatccg gacaagacgc aaaatgaaaa gggcatgcag 420
cggttcttca agcagttctc cttccccggc gggatcggtg gccatgcaac tccagagacc 480
cccgaagta tccacgaggg aggcgagctg ggggtactcaa tctcccatgc cttcgggacc 540
gtctttgatc acccgaatct tatcacgttg accatagtgg gtgatggaga ggctgaaacc 600
ggccctctgg ccaccagtgt gcacagtaac aagttcctca acccaatcac cgacggcgca 660
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gaaggaagcg accgtgagag catgcaccag gccatggcgg ccacctgga gcattgctg 840
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ggtcgacatg ggatgctaag caggtacgag cccttcattc atgtgatcga ctcgatggtc 1560
aaccagcatt gcaagtggct tgaatag 1587

<210> 11471
<211> 867
<212> DNA
<213> A.fumigatus

<400> 11471
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gtgtggcgctc aggatcacaa tggattcacg caccaggacc ctggattcct cgatgtagtc 120

gcgaacaaga	gccccgagat	cgtgagaatc	tacctccctc	cgcacggtaa	cacctcctg	180
tcgaccatgg	accactgctt	cgcgagcgtc	aactatgtta	atgtcgtcgt	ggccgacaag	240
caggagcacg	tgcagttcct	caacatggag	gaggcgatcg	aacactgcac	caagggagtc	300
ggcatctggg	actgggctag	caacgatcag	ggctctgagc	cgcgatgtgt	catggtatcg	360
tgcggcgatg	tctctacgca	cgaagcgtca	gccgcgacgg	ctctgctgcg	cgagcaccta	420
cccaagctca	agatccgttt	tgtcaacgtg	gttgacctgt	tccgccttat	ctccgacacc	480
aatcatccgc	acggtatgcc	ggaccgccaa	tggggggcca	tcttcaccac	cgacaaaccc	540
atcatcttca	acttccactc	gtacccttgg	ctcgtccacc	gtctcaccta	caagcggccg	600
ggtcagcaca	acctccacgt	gcggggctac	aaggaaaagg	gcaacatcga	tacgccattt	660
gagctggctg	tacggaatca	gaccgaccgg	tacagcttgg	cgatcgacgc	catcgaccgt	720
attccatccc	tgggcaatac	cgcgtcgggc	gtgcgggagc	atctgatcaa	tctccagctg	780
gccgcaaaga	acaaggcatt	tgatgacggc	atcgaccggg	atttatattcg	caactggacc	840
tggaattacc	cacgaaagaa	gtgttaa				867

<210> 11472

<211> 726

<212> DNA

<213> A.fumigatus

<400> 11472

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cgattctccg	tgtgggaggg	gagtatttcc	tcgcaacctc	gtcattcgag	tactggccta	120
gcacaccgat	ctacaagtcc	aaagacctgg	ccaactggga	gctcttctcc	catgcattca	180
ccagaccgga	gcagcttcag	ctatacggaa	ctccgacagg	tgcaggttag	tatatgcttg	240
tcattacatc	ttgaccgtct	aatatcaggt	ggaccggcag	gtgcttgggc	tccaacgctc	300
tcctacatca	atggaaaata	ctacctcgct	gcaatgacgc	gatggacata	cgaccagtc	360
gcccagtggt	ggccacgagt	gatgtgggtg	tcgtcccgcg	acctcaggac	ctggtcggac	420
cccattctggg	gtgacccatg	gggcattgat	ccctcattat	tccaggatcc	tgtctcgag	480
aaagtgtact	tgaacctgat	ggcccccaac	aacaacaagg	accgcatttg	gggaatttac	540
cagtggtgaag	tagatatcga	cagtggtcgc	tgtatcggag	agtatcgctc	catgtggaat	600
ggcacgctcc	cgcataacgc	cagtgtcgtg	cctgaaggcc	caaagatgtt	taagcgggac	660
aatggtact	atcttctcat	tgcagagggc	aagtatctcc	ctatctccga	agcggcagac	720
gactga						726

<210> 11473

<211> 930

<212> DNA

<213> A.fumigatus

<400> 11473

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ataacgccag	tgtctgcctt	gaaggcccaa	agatgtttta	gcgggacaaa	tggactatc	120
ttctcattgc	agagggcaag	tatctcccta	tctccgaagc	ggcagacgac	tgacaaccgg	180
ccaggtggca	cagacgacct	tcaccgtgcc	agtatcgcac	gctccctggc	tccagaaggt	240
ccctgggagc	ccgcgccgca	caatccgatt	cttttcaatg	gagcgtacgg	ctatgataac	300
ctcaccgtac	aatccactgg	ccatgcgacc	atcttcgagg	cggcaaatgg	cgacagttac	360
gtggtttacc	tcgcgcggcg	caagatcaat	ggctcgtcgc	ctctggggcg	ggaaaccttc	420
atgtcaccag	tcacctggaa	agatggatgg	cgcgatgatca	atggcgggaa	tccagtcctt	480
ctcagtgaat	ccttcgggtg	ttcgcacgac	cagaaaccac	caccaccacg	tttcatcgac	540
acatttgacc	agaagacgct	tgatccctcc	tggtagacat	tgcggactcc	gtacgcgcc	600
atctacgacc	tgaaggacgg	tggccgaaa	aagtctcatg	gaattgtctt	ccgaccgaac	660
gttttcgggtc	taagcgaccg	agacacccca	gcagcaattc	tacgaaaaca	aaagtgcgtg	720
aatatgacct	ttagcgcgca	gttgctacct	acgacgtccg	ggctgggtta	cggcgagact	780
gtcgggatca	gtgcctatct	gagtgcgtg	caacatcagg	acattggagt	gtcgggctgt	840
gtgaatagta	ctggcatgtg	catcttcact	cagttgatga	tgaatgggac	aactgaggta	900
attggccttc	gtgatgagtt	gacaagataa				930

<210> 11474
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 11474
 agacggaatc ccattatcac cggatggaac cctgacccct cgattctccg tgtgggagggc 60
 gagtatttcc tcgcaacctc gtcattcgag tactggccta gcacaccgat ctacaagtcc 120
 aaagacctgg ccaactggga gctcttctcc catgcattca ccagaccgga gcagcttcag 180
 ctatacggaa ctccgacagg tgcagggttag 210

<210> 11475
 <211> 675
 <212> DNA
 <213> A.fumigatus

<400> 11475
 ttggaggcct acaacagcta caccaaggcc gacaacagcg tcattgtcgc taccgactcg 60
 atcaagaaca ccattctacat cctggccaag cagcaccgag tcaactcccc agagctcttc 120
 ggctccatcc tgggaaccca cttcatccag aaatacaagc acatccacgc cgcgcacgct 180
 cacatcatca cccaccgctg gacgcgcagc aacattgacg gcaagcccca cccccattcc 240
 ttcggtccgcg acagcgcagga aaccgcgaac gttcagggtg acgtgaccga gggcgccggc 300
 atcgacatca agtcctcaat caactggcctt accgttctca agagcaccgg ctgcgagttt 360
 caccgcttcc tgcgcgacga gtacaccacc ctcaaggaga cctgggagcg tatcctgagc 420
 acagatgtcg atgcctcgtg gcagtggagc cgcttttagc accttggcga agtcgcgcga 480
 aatattccca agttcgatgc cgcttggctc ggggcccggg agatcaccct caagactttt 540
 gccagggaca acagtgcctg tgtgcaagct actatgtaca agatctccga gcaaattctg 600
 gcgattgagc ccttcattga gactgtcgag tattctctgc ccaacaagca ctactttgaa 660
 gtcggtgagt attga 675

<210> 11476
 <211> 894
 <212> DNA
 <213> A.fumigatus

<400> 11476
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 tggatgctat cagtggctac gacgggaata gacgacagat cgctcggcag tcccaagccc 120
 ggatccacaa cgttttctac gacacttcaa gaagaaccaa cgaggctcga cggcttcagg 180
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 ccagaccact tgcaaggggc cgccatctgg acaatccaac agcgcatagc aggctccatg 360
 aacctcctgg gacatgcca cggaagaaga ggctgtatc tgaccgaaat ggagcgtgca 420
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 ccgactactc cggtcgttgc acctcggcac gggaagcgtg gcctgccgtt ggagtgcgtg 660
 aagcccagca tgggtctcac gataaatact gcgatctttg acgtaaccgg ccagccggca 720
 atgtctattc ctgttggatt tgccccggcc agggacgatg cgaatgtcca attgccggtc 780
 gggatgcaga ttgtaggagg actgtggcag gactcgaaag tcttgcgagt cggctcatgca 840
 tgggagacct atttcaactg gaaggagaat tgttacagtg aatgtctaaa ctag 894

<210> 11477
 <211> 243
 <212> DNA

<213> A.fumigatus

<400> 11477

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agcgccctc	gccgctcgag	cggttgagca	aagactcgcg	tatgcgtcca	ctgtgggtcgg	120
aatttcagga	gaacggagca	tctcgagcgg	catatccgta	ctcgtaagga	cctctccgag	180
catctccaac	gagcgttcgc	tattttgtct	attggcaact	atactgtaga	cgtgtcttgc	240
tga						243

<210> 11478

<211> 489

<212> DNA

<213> A.fumigatus

<400> 11478

gacttcccag	ggattggtgc	ggcagttgca	aaagcttttg	cctctgcagg	atgcgagcga	60
gtagccatca	cagacatcaa	cgaatcatct	ctagagaaga	cgcgagacgc	tatttcctct	120
cttcacccca	atatccgtct	ggtagtgaga	gcagggaata	tggccgacga	gcaattcgtc	180
gaggccttta	tgaatgaagt	ggtgagcaca	ttcggtcggc	tcgattacgc	agtgaactgc	240
gtcgggatac	ttggggactc	gggcccgatc	acagagacaa	gcacagagga	ttttgaccgt	300
atcaccaata	tcaattacag	gggctgctgg	ctgtcgtcca	gagcagagtt	gaagcagatg	360
ctcaaacaag	atcctctacc	gagccatgat	ccgagtcgtg	agccgcaacg	agggagtatc	420
gtcaatatcg	ccagtcagct	ggggattgtc	tcgctcctcg	gggctcgtaa	gcgctcctgt	480
gtcccttag						489

<210> 11479

<211> 306

<212> DNA

<213> A.fumigatus

<400> 11479

aatataacag	ctgcatactg	cgccctccaa	tccgccatta	tcggcatgac	tcgagctgat	60
gcaatagatt	attctgcgga	cggcatccgt	gtgaatttgt	tctgtcctgg	ggtcattgag	120
accccgatga	caactggcaa	tgaggaggta	catgcgcgct	tacagcctgc	cgttgatatt	180
gcgccaatga	aaagaatggg	caagccagaa	gaggtggcag	atgcggttct	ctttctatgc	240
tcgacctttg	cctccttcgt	gcagggccat	gctttgggtg	ttgatgggtg	ttatattatc	300
aactag						306

<210> 11480

<211> 192

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (57), (158)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11480

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tttgaacggg	ttcggtcct	accggaaatc	agaatctnga	agaataccaa	agatccggta	180
actcctgcgt	aa					192

<210> 11481

<211> 249

<212> DNA

<213> A.fumigatus

<400> 11481

attcttggtta	cagaaattga	ctatcatttg	aaagccgtgt	accaaattcc	aacagaggca	60
gaagcgacgc	gagataacag	tgccctggaca	ctccagaggc	tcttctacaa	ccttcaaacg	120
agcgaaagct	ctgtctcgac	aacagagctg	accgcatcat	ttggctggga	attgcgggcaa	180
atcttcgaac	agaaagatgt	ccaggaactt	ttccagaaaa	gcttatggaa	agattggaag	240
aagagatga						249

<210> 11482

<211> 435

<212> DNA

<213> A.fumigatus

<400> 11482

cattggggtaa	caggcgggta	ctcttcttcc	cttacggtaa	tcatgtcgat	tatgcgtcgt	60
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ttgctctcgt	attgtggaac	gtcaatgacc	catcaatcta	cgtgtctcat	ggtatgtacc	180
tcgggtggccc	ttatgctccc	ttctcttcgt	ccttctgacc	gaatcgtagt	cgctacgcat	240
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ttcaacatgc	cgtgggaagg	ccgtggagtc	cccctgggtc	agaatgatga	agctaaaatc	360
actgcctacg	tgcggtgtgt	gaaggacccg	acaggggtac	tctggcacag	tttccaaaag	420
tatgtgctgc	cttga					435

<210> 11483

<211> 195

<212> DNA

<213> A.fumigatus

<400> 11483

ataagtcagc	gtcgtacgag	gcttactcga	tctagttacg	actcgaagaa	ggagactggc	60
atgggtggggt	tgaaaaacca	gggcgcgaacg	tgctacctca	actccctgct	gcaatccctg	120
tatttcacaa	atgctttccg	caaggtaagg	gcttccattc	ttagattcct	gttacagaaa	180
ttgactatca	tttga					195

<210> 11484

<211> 192

<212> DNA

<213> A.fumigatus

<400> 11484

gtcaagtttc	taatgcatca	acaggtgggg	agcgggttga	accagttcct	tagtctgcga	60
cagcccagcg	tcagcatcag	tgctctgggt	gcgcaactcg	tgccatatcc	tgctcggttgc	120
gcgtgggcaa	aatgggtgcc	attgggctgg	gcgaatccaa	ccgggtgttc	aacatcaagg	180
agcatgcgtt	ga					192

<210> 11485

<211> 195

<212> DNA

<213> A.fumigatus

<400> 11485

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cagatgcatt	gcagctcatt	cctttatata	ctccagccac	aaacctctc	gcaaaaatgg	120
ctoctgacat	ctgtgttggga	attggagagc	gctcaggtcc	gactgtcggc	tctaccgct	180

agtcgaggac gatag

195

<210> 11486

<211> 192

<212> DNA

<213> A.fumigatus

<400> 11486

caacaaccaa	agccgttcgc	tacactgaac	agtggaaata	gccaaactcct	catccattct	60
atcccattcc	caaaaacata	catcatcgac	tgcattcatct	ctcgagtcca	ggaaacaagc	120
tacctatggg	gtcgtcagat	gtcatgcaac	tggagtttca	cctacattag	cccatccact	180
ttttctgatt	ga					192

<210> 11487

<211> 234

<212> DNA

<213> A.fumigatus

<400> 11487

ggaccatctg	caacggcact	ccatgagcat	acaagtgtcc	ttagcgacta	tgatgctcag	60
aaaatcctcc	catatgaagc	agacgattct	ccatttcctg	aggtccgcgc	cgtgggtgag	120
ccagttgacg	acgtgagtct	gcctgtcaac	acagtgcgtg	tgtggatcat	cggcatcata	180
ttcactattg	tatgtcatac	atctcttgca	acgaagtgtg	ggtcaagttt	ctaa	234

<210> 11488

<211> 453

<212> DNA

<213> A.fumigatus

<400> 11488

tcagtgacaa	acgattcgag	tctcaaactc	caacagaagt	gccagcaagg	tctcacgcac	60
aaaatggggg	actgcgataa	aaatctccaa	atgcctcctg	taccgttctc	acaacgtcca	120
atcatcattc	taggcgcagg	gatcattggg	tgcgtctacg	caagacagct	tctcttaaat	180
ggctttcgcg	ttgtggttgt	tgccgagttc	ctgccaggcg	atcaaaatat	tttctacgca	240
tcagcctggg	ctggagcaac	atggcatgct	gctggcggga	tcagttccga	atatcgatac	300
cttcaagctg	ttacgcacgc	gcattctgtg	aagatggcgc	aagaaggccc	cgaatccgga	360
gtttgtcttg	tggatgcgcg	cgaatatctc	gaagaagcgc	catctgagaa	ctcctcaatc	420
tggggtaaga	ctgtggtcac	aaatgttagg	taa			453

<210> 11489

<211> 672

<212> DNA

<213> A.fumigatus

<400> 11489

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cgccatgtga	tgcaagaata	tatgcggcaa	aaacgcggtg	gcgagccgca	accagacaac	180
gagaatggcg	aatccgtgaa	ggaaaaagaa	gaatcacagc	caaaggggtc	caggcgaccg	240
aggaacaaga	ctgcgggaaa	gagtaccacc	gagaaggaga	agaagggcgc	tggtaagggc	300
tggaggaaaa	aaagcccgga	cgcgtcgaca	gatacacaaa	gggggttgga	atccatgcgt	360
gaggattcct	taggggaggg	ttcatcgaca	gggattggag	agagacatgc	ctcagccgct	420
gcaggccaga	cgaagacaga	tattatcgtc	tctgtttcct	cctccgactt	acccaaattc	480
tatgcatctg	gtgaccagag	cagcacctcc	gagtctgaca	gccggtcacc	gttatcctct	540
gccccaaaca	ctccctacga	gctaaccctc	tctcccaaat	cgattctcag	cgcagcgcga	600
actgaccctt	tcaacacggt	gcctatggat	ttgtcttcac	cgacggggcca	ggaaggacac	660

gcaattgcgt aa

672

<210> 11490

<211> 474

<212> DNA

<213> A.fumigatus

<400> 11490

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tatgatggcc	cttgccatgg	tcattgacct	ttgggttcac	gaagctgccc	agcaataaat	180
tggtcgcgat	ccatccgtag	agggcctctg	tcacccccgg	gattacctga	atgtgcacgc	240
cgcaatcagg	aagcagaaaa	tcattagttct	tgctggcgta	ggagcagatc	tgttgtaaaa	300
gaagctcgcg	ctcatgattg	ggtaagagtc	gcattcccag	agtggctagt	aaaaagatcg	360
gggtatcctt	tattctgatcg	gcggggacga	tcttgcggtg	atgatcgaga	agttccgcaa	420
gatgctcggg	gccgactacc	tcgggtctgt	cggcgaacga	tgacacgcct	ataa	474

<210> 11491

<211> 189

<212> DNA

<213> A.fumigatus

<400> 11491

gcaacagaat	acaatatcat	aaggaacaaa	tctctactgg	accctgtaac	tagtcttttc	60
cagaatacgg	agatctcaaa	tgatgatacg	tactccaggc	gcagcgtcag	acgttcacag	120
aatcacgttc	ccatccccc	cccccttta	actgaaaata	gttttgaaaa	gtgcgctaaa	180
gagcactag						189

<210> 11492

<211> 1200

<212> DNA

<213> A.fumigatus

<400> 11492

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gttataggcg	tgatcatcgt	cgccgacaga	cccagaggtag	tcggccccga	gcattcttgcg	180
gaacttctcg	atcatgcaag	caagatcgct	cccgcgcgat	agataaagga	taccccgatc	240
tttttactag	ccactgctgg	gatgcgactc	ttacccaatc	atgagcgcga	gcttctttta	300
caacagatct	gctcctacgc	cagcaagaac	tatgattttc	tgcttctctga	ttgcggcggtg	360
cacattcagg	taatcccggg	ggtgacagag	gccctctacg	gatggatcgc	gaccaattat	420
ttgctgggca	gcttcgatga	accaaagggt	catgaccatg	gcaagggcca	tcatacttat	480
gggttctctg	atatgggtgg	tgcatccgcg	cagattgcct	ttgcggccaa	tataaccgaa	540
accgagaaac	atgcgaatga	cctgactctc	cttcggctac	gaaacattga	cggctctacc	600
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gagttatctc	tgctgggaac	tgggcgattc	gacgaatgct	tcgcacagac	ataccgcctc	840
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gctattgact	ttgatgtgaa	tcatttcac	ggtatcagtg	agtactggca	tacgacgcac	960
gagatctttg	aaatggcgca	caaggacaaa	acgtacgatt	tcaataactta	tcaacagcgg	1020
gtacaacaat	tctgtacaca	agattgggaa	gccatcgacc	agggatatata	aaaacagtcg	1080
tggggaaaga	aggtcgattg	ggaatcagct	tccgaggtct	gcttcaaggc	ttcatggatc	1140
atcaatatgc	tgacacaacg	cttcaccacg	gggctggaag	gatcaacggc	tggtcaatcc	1200

<210> 11493

<211> 408
 <212> DNA
 <213> A.fumigatus

<400> 11493
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 aaggaattct ggtcccttaa gggtttcacc ttctcaagtg gagcgatcga cggaaatgga 120
 atccaagttg gttaccaact ggctgaaatg tgcgccatct cgggttactc gttagtgate 180
 tcatgcgtct tgggtatacat tctcaaattc atcccgggaa tgaacttgcg agtcgatgag 240
 gaatccgaaa tgatgggact tgaccaggcg cagctttttg acgaacagat tggagactgg 300
 agcttagtgc acaacaactc ctttcgggtg acaaccccaa ccattatcgg ggtttcgaac 360
 cagtcacag tttcgacgga tgaaactcac gcgggggaaag caatgtag 408

<210> 11494
 <211> 720
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (18), (58), (92)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 tcgtttctcc acgacgacgt gatagataat gccgtcagcc gccggtcgct gaactctgcg 180
 aacctccaat ttggaaacaa aatggctgtt ctggccggag atttcctgct aggccgagcc 240
 tccgttgctc tagcacgctt gagggacccc gaagtcaccg agctcctcgc cactgtgatt 300
 gccaacctgg ttgagggcga gtccatgcag ttgaagaaca ctgtagcgga cgagaaaaat 360
 cccgttttca ccgatgaaac catctcgtac tacttgca gaacctatct gaagaccgct 420
 agtctgatta gcaaatcatg ccgtgcagct gcattgcttg gtggtagtgc gcccgagggtg 480
 gttgaagctg cttattccta tggtcgcaat ctccggcctgg cgtttcagct ggtggacgat 540
 ctgctggatt atacggtgag cggggtcgag ttgggcaagc ctgctggtgc agatttgga 600
 ctaggacttg cgactgctcc gctgctcttc gcttggaac aaaacccga gctgggtccc 660
 ctagtaggcc gcaagtttag ccaggaagga gacgtacaaa gagtaagtgg tgactcctag 720

<210> 11495
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 11495
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 cagacgcgcg ctttggccca ggagtacgct gataaagccg ttgctgccat tgccgatttc 120
 cctgacagtg aagcgaagag tggctctgat cagatgtgag agaaaacat gaatcggagg 180
 aagtga 186

<210> 11496
 <211> 1413
 <212> DNA
 <213> A.fumigatus

<400> 11496
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 tatgcgcctc cgggcgagag ctcacctgtc gctccagcta cactcccctt caactcatcc 120

ctccgtccac	gcgctgccaa	agacaccgtc	acccatccgt	cgaaaatggg	caacccgtec	180
gttccccgatc	tcgatgctgt	aggcatcaaa	gccgaaccgc	agctggcgga	tcagtttcgc	240
cgcgagggtcg	ccgccttgct	ggggcgcaat	aacctcaatt	tccccggcgc	gcagcccgtc	300
agttttgcga	aacgacatct	cctcgagctc	caacgggaag	actactacgt	gtgcgagaaa	360
acggacggca	tccgatgtct	tatgtatttt	gcacgtgggtg	aagaggactc	cccagtaccg	420
gaaatccact	acctcatcga	ccgcaagaat	gactaccgct	atgtgccggg	cctgcacttc	480
ccgcagccgg	acgacgagac	gttccagtc	ttccatgtcg	acaccctgat	cgacggggag	540
ctgggtcaacg	acacgtacga	ggacggcacg	cagcagctca	agttcctcgt	gttcgactgt	600
ttagtatttg	acgggcagaa	gctcatgcac	cggacgctgg	acaagcggct	ggcatatttc	660
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ttccgcgaga	tcattcccaa	ggtcaagaaa	atccacggca	acgacggcct	catcttcacc	840
tgctcgagca	ccccctaccg	catcggcacg	gacgagcaca	tcctcaagtg	gaaaccccc	900
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gagtcggact	gggaggccct	caaggccctg	caggtcccc	tggacgactc	gacgtcgaa	1140
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gaggatctca	tccgcgcgcg	accggccatc	aaagccgcct	ggaagaaacg	gcaggctcag	1320
gcggctgccg	aggaggaaga	ccgcagacgc	cgtgcgagac	agatgcccc	cagcgcgaac	1380
gggaatgggg	tgaagaggaa	attcaggagg	tag			1413

<210> 11497

<211> 237

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (64)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11497

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ttgggcccga	cagtgttgac	cctgacgggc	gagaacctct	cggatgaggc	tcgcgattct	180
cagatagtgg	taagttctag	ccccgtgctc	gtcccttggg	acttcttggc	aggctga	237

<210> 11498

<211> 489

<212> DNA

<213> A.fumigatus

<400> 11498

gtccgcgcga	aactgagaag	ggccgtctca	gtcttggatc	caatgaatgt	cattgttccg	60
tcctgctcgc	cttcgaatgc	agtggaaatta	ataacgatcg	aatcaagcag	aagcgccttc	120
accggcgacg	cgagacttga	tgcaaaactca	gatggcgaca	tactgcctga	cgagttggtc	180
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aagttattgt	ccttcaacat	tcgcgtcgtg	gcgaacgcga	gcgcaagtgt	gacagcgaga	420
ggcaatcctt	cgggaacggc	aacgacaatg	atggtgactg	caacaatgaa	gatctggagg	480
aaggcctga						489

<210> 11499

<211> 264
 <212> DNA
 <213> A.fumigatus

<400> 11499
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 gagcctatat cagcaccctt catcaacctg acgatgtgga aaatgatcat aggacaaagc 120
 atctttcagc tggctcgtcac tcttgttctg aactttgtct ggaagtcgat atttaaactt 180
 tcttcagagg acgacatgga acggctcaag acgacggctt tcaacacttt tgtctggatg 240
 cagatcttca accaatggaa gtga 264

<210> 11500
 <211> 3003
 <212> DNA
 <213> A.fumigatus

<400> 11500
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 aacgtatcgt ctcccacgtc gaaactggcc gagtcgatgt ccaattccaa ctctctttca 180
 gttcctggca cgaggctctc tggaaattca cttgaatctg aagactcgag ccagtctacc 240
 agcacctatg gaggagacac gtatgttggc tcgccatcgc aagggtgccc tctgaacat 300
 gggaataaaa acggcaccaa cggtaaaatt ctcagtgatg aggaggctct caagccggac 360
 cctggctcgc aggccgaatt ccagggtggag gataacaaat tcgccttctc ccctggtcag 420
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 ggtgaatccg atgtcttgcg caagacgccc ggcagcgacg tctaccaggc catcgaacgc 1200
 catgagaacc ttaagaagct tgatccattc attgtttccg gtgccaaagg gtccgaagg 1260
 gtgggaacgt tcttggtcac tgcggctcgg gttaactcaa cgtatggtaa gactttgatg 1320
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 accaaagagg tgtccgatac atctctctcg gaaaaagacc ggtccgccct ggagaacatc 2220
 attacgcact acgctaccca gtcgctccgg accattggcc tgggtgatcg tgatttcgac 2280
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acagattgca ttggttctcg agctaacgtt ttatcgttca gttccaaatt acggtcaaca 2940
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tga 3003

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<210> 11501

<211> 1803

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1338), (1341), (1345), (1346), (1354)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11501

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cgagagcggt atattgtcta ccgtcgcgaa gaccccgctc ccggtgatcg agaattggta 180
atccgccgct ctaccgagcg agaagaaccc gtcattggtg aacggtacga gcgagaggtc 240
gactatgaca cgcgccgta cgactaccgc tccgaaagag actactatga tgggtgcgtac 300
caatgtacga gtgtaggctg agtaaactct actgacccta tttatgtagc gcgagggccc 360
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tacagcagtg atgatagcat ggtctatatt cgcaaagaga cccgtgaata cgacgacac 600
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aagaaaaagg aggagganga ngaannaggc gganagcgga gggagcgacg tcgttccaga 1380
tctcgaagca gggccccgtc cgaggcctac tcagatcccg cccacgatcc ggctggtctg 1440
atcgagtacg gccaacatcc ggttaccgga agcatccctg cagcccatta ctatggccgg 1500
cctgccagtc aacagggtta ctactcggtg gcttctgacc gagtagcccg ggacgcagca 1560
ggattccgtg gtcgcggtcg cagtcgcagt cgcagccgag gcggcaggta tagcacgagc 1620
tcctcgata ccgacagaga cggccatcgt cgccgaagca gccggcgccg caagcaccga 1680
agccgttctc gtgaattggc cgaagccgct ttggctgcca ctggagtcgg ctatgccgct 1740
cataagtaca agcagagcag ggtatcgcaag aaggaagaga gagaacgggtc aagtgagttt 1800
taa 1803

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<210> 11502
 <211> 426
 <212> DNA
 <213> A.fumigatus

<400> 11502
 ctcaagaaat gcacgaacaa tctgctgggt cgggagacta acgaccgggt ccttctagag 60
 taagacgatg actcgtaccc ttcacgtac ccttcggacc ttccataccc gccgtcgccc 120
 ctgccaccga cacagccggg agagcatcct tactatccca actccaacta cttccctcca 180
 cctcctggct ctacaccagc tccccctgct cccgccgcgc catacaatcc ggccgattac 240
 cctcctccac caggcgcagt cctccagcg caaccttacg gttatcccc cgagccagga 300
 ccggaccggg acgcacccc gccccggagg gcggacgaga atgtgagtgc tgcattggaac 360
 tctccccctt ctgctgcca gtatcccatg catgatgggt ggtctagga tagattcaaa 420
 atctga 426

<210> 11503
 <211> 522
 <212> DNA
 <213> A.fumigatus

<400> 11503
 ctggttgcta accaacaacc ctcaggtgta gagaaacctc cgtcaccgct gagaacaccg 60
 cgtccgcgga caccocgaga tcgcgcacgc gcagccagcc aaccccctca gcccaagtct 120
 gttgcctttg acctcaatgc ggaggagcgt ccaatcgacc ctggttatga aacggacgat 180
 agcgacacaa ctatcgactc tttgactcct catcatcatc gtgatcgta tcgctcctcc 240
 gacacctcgt ttgccaccg gcgcgcacc tcttctccg atccctactt tacccccgc 300
 aaacccaat ttcaaccag ctcgtcccaa gcaaagattg atcgtcccgg taccctcaag 360
 gacaagggtg ctaccgatct gcaggagccg gattccgact ccaccatcga cctacctgat 420
 cggttcgact cgcattggcg actgcttcca gagcgggaca atgatccgct ggtagatggg 480
 ctggagaaat tactccgtgg gatcaatcgc gtgtttgtct ag 522

<210> 11504
 <211> 534
 <212> DNA
 <213> A.fumigatus

<400> 11504
 gtcggctgtg agaacgagag ccctttcgag agcgcgaccg gctgcgagct ctctcgacca 60
 gaccggccac tgcggcacc gccaaagccag cttcggccat atgtttccga atccgggatt 120
 ggctgcgttt ctactctcg gcgtcgtttc cgggtcggac ggcaactggag gaccggcggt 180
 gccgggagcg gcttcgtctg tcgctcgtcg acttcttacg agccagagcc atggcaccgg 240
 caatggcagc ggcaccaagg ccgatctccg tcagcgtctt ggcacgagag tgcgagtgcg 300
 agcggctgcg actacggctg cgactacggc tgcgacggct gtggcggctg tggcggctat 360
 ggctatggct gtggctgtag tgatgatggg gattgtgacg ggagctgcgc tcatcatcat 420
 aggagtggga gcggtgacgg ctcttactgc ggtagtagtc gcgagcacgt gaagcagcac 480
 tcacggcaac agcacccaag gcgcggcac ccacgtcgtg accgagacgg ctga 534

<210> 11505
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 11505
 tggcgaacct caacaagaac cgagttaacc acaggacgcc accctgtctc agactcgaat 60
 caaagacgca agcagctcgt tcgctcggat acctacaaac agccaggccc tattagcgtc 120
 tcctccttgc gtctgcaggg cctgcctgg gtctcagccg gcggaggcat ctatgccacc 180

ttgtttgggg tgtaccggat gctgcgctct atgcgacaac taagatatat ctag

234

<210> 11506

<211> 921

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (875), (876), (877), (878), (880), (890), (898)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11506

atccatctgc	caatcctcaa	gatcatgccg	ccgagcgatc	gcacatttct	cgccttccaa	60
cacaatgcca	agctccacaa	tctccaaacc	atcgtgaggg	gaatctaccc	tttcgcaacc	120
ctggaagaat	ccaaccgcca	gctcttcaag	caaggcaccg	atgaagacta	tgcgatcatc	180
acagagcaga	ccattttcca	tccccaggga	ggcggacagc	cgtccgacga	gggcaccatg	240
accagtgcct	cgggtggagc	gttcacggtc	gcagccgtgc	gcatggacgc	cgtccgcgag	300
ggccaagtcc	tccacttcgg	tcgggtttaa	caatcctccg	tcgtcttctc	cgagggagac	360
acggtcgaac	agacgataga	cgccgagaag	cgtctgctgt	actcgcggct	gcacacggct	420
ggccacgtcc	tcggcgcggc	ggtgcggcat	ctcctggaaa	aggaggtgga	agggttcgac	480
gagctcaagg	cgtcgcattt	ccctgacgcg	gcgccgtgtg	agttccaggg	cgcgatcgat	540
gggaaatgga	aagattcgat	ccaggcgaaa	gtgaacgagt	ttatcgaggc	caagttgccc	600
gtcgaggtgg	actggtggga	tgaggaggag	tttcgcagac	ggggcctgga	gcgattgctg	660
ccggaccgcg	gtgcagtcgc	tgttgctccc	ggcgagaagt	ttcgcgttgt	caacatcgtc	720
ggagctgagg	tgtatccctg	tggaggtacg	catgtcgaga	cgacggacct	gtctggatca	780
actaccgtga	aggaagatta	ccaagaaagg	tggccagtca	aaggtcacct	ataccgtaac	840
cgattgaatc	catccaattg	ccgtcttaaa	ttttnnnnan	aaaaactatn	taatcccnaa	900
aaactccttt	tttttgatct	a				921

<210> 11507

<211> 360

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (118)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11507

ggtgcaccag	aatggataaa	gctgaccggg	gtctttgatg	gcaatacgac	caacacaact	60
ttgaacgatg	gatacctaac	cagtggggaa	accggtagta	cggggtatgc	cagtcanttc	120
gcgcagtact	ttgtcaagta	cattcaggcc	tataagaatc	tcggtgctca	cgtcgacgcg	180
attaccatcc	agaacgagcc	tctgttcagc	tcagcgggct	atcccaccat	gtatgtctac	240
gattatgagt	cggcacagct	gatccagaac	tacatcgggc	ccgctcttgc	cagcgcgggg	300
ctagatacgg	aaatctgggc	ttatgaccac	aacacaggtc	tgtggttatc	gttgaattga	360

<210> 11508

<211> 534

<212> DNA

<213> A.fumigatus

<400> 11508

caaattacag	atgtcccgtc	gtacccccag	actgtcctta	accaggcccg	tcagtacgtc	60
aagtcggtgg	cctggcaactg	ctacgctccc	aacgtcgact	ggaccgtgct	cagccagttc	120

cacaacacaa	accctggagt	gaagcaatat	atgaccgagt	gctggactcc	agcatctggc	180
gcatggcatc	aggcggcgga	cttcaccatg	ggccccctgc	agaactgggc	ctcgggagtg	240
gcgacatgga	ctctgggaac	caacgctcag	gatggtcgcg	atctgtccac	tggcggctgc	300
gcgacatgtc	aaggcttggt	gaccatcaac	aacggaggat	acacgctcaa	caccgcatac	360
tacatgatgg	cgcaattcag	caagttcatg	ccgcttggtg	cgattgtgct	caatggcagt	420
ggcagctaca	cgtactttgg	gcggaggcgg	tatccagtc	gtggcttcct	tgaatccga	480
tgggaaccgc	cactgtggtt	attgaaaaca	cttttggcaa	tgatgtctat	gtga	534

<210> 11509

<211> 468

<212> DNA

<213> A.fumigatus

<400> 11509

tcttccttca	cggtagttga	tccagacagg	tccgtcgtct	cgacatgcgt	acctccacag	60
ggatacacct	cagctccgac	gatgttgaca	acgcgaaact	tctcgccggg	agcaacagcg	120
actgcaccgc	ggtccggcag	caatcgctcc	aggccccgtc	tgcgaaactc	ctcctcatcc	180
caccagtcca	cctcgacggg	caacttggcc	tcgataaact	cgttcacttt	cgcctggatc	240
gaatctttcc	atttcccatc	gatcgcgccc	tggaaactcac	acgcgcgcgc	gtcagggaaa	300
tgcgacgct	tgagctcgtc	gaacccttcc	acctcctttt	ccaggagatg	ccgcaccgcc	360
gcgccgagga	cgtggccagc	cgtgtgcagc	cgcgagtaca	gcagacgctt	ctcggcgtct	420
atcgtctgtt	cgaccgtgtc	tccctcggag	aagacgacgg	aggattga		468

<210> 11510

<211> 207

<212> DNA

<213> A.fumigatus

<400> 11510

gtagaagata	ttgatttcga	attcgtctac	gctcttcaca	actttgtcgc	cacggttgat	60
ggacaagcca	acgctgcaaa	aggagataca	atggttctcc	ttgacgatag	caacagctac	120
tggtggctcg	ttcgaatcgt	gaaggatggc	agcatcggtg	acattcttcg	ctcgcgcttc	180
ccaaaaacgg	ttcctgacag	tctctag				207

<210> 11511

<211> 849

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (693), (694)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11511

cagaaacagt	tgtcagcgac	gatgctgggt	gacaattcag	agaaatccaa	aaaccgcgta	60
aagaaagcaa	tgcgcgcgag	aatgcaaaa	aacgtcacct	tcaccgctcc	gacctacatt	120
gaagcgtcgg	atattgattg	gtcgaccgag	gatgagattg	acgacggaga	ctctcttata	180
gacgcgggaa	atatcatacg	tgatggcgat	gatctgcagg	atgatcacia	tgatgataac	240
gttgttgagc	cgctcagacc	gaagtcaaat	cgtgacaagg	ccactgatga	gtcgggaaaac	300
gtggaagaaa	ctccccagtc	tggctctacg	agccccgaca	agcaaccctc	cagccaggag	360
ttgtttgagc	tagcaagtga	acctacagtc	agcagatctc	ggaatgggac	cgtgaggaac	420
acagattcgt	tcttcaaaga	cgacactgtt	gagactaaga	agatatctct	gacgccgaat	480
ttgcttcgtg	acgaagtggg	cagtggcggg	ctttcaagcg	agacaaagga	gggcccgtca	540
agcttttgata	atatcgacaa	agcactgggt	gcaaacgaca	aagggcgggg	tgacaagaag	600
agaaaggata	agaaaccagg	gatgctgagt	gggctgttca	agcgggaagg	taaaagaaca	660

aaatctatcg	aagatgattc	ccatgagccc	gannatgtct	cggggcgaat	tatctcgaac	720
gtcaccata	ccccgggacg	tcctctgaat	ccgggtcctc	cccccgagtc	acggccaacg	780
aaagggaaatc	ccgcccccaa	agccggacga	ctaaagtccc	ccgaagcaaa	aatttggtccc	840
tggtccccc						849

<210> 11512

<211> 606

<212> DNA

<213> A.fumigatus

<400> 11512

attgctccgc	gaaccgacgc	acgtctaaga	atgccttcga	gacagtccgc	cggtcccaat	60
ctagacctaa	gctccttcac	cctgcaggcg	aatgcgaaga	actcatcccc	acttaccccc	120
ggcgcccaaa	gctccgacag	agccagtccc	ttaacacccc	gttctcccaa	atcatcgacc	180
agctcgccat	tcttcaaggg	agcgaccatc	tgccctgtaa	cacaagagtc	caatagcaag	240
tcgagcagtc	ctactttccc	actctcttct	gtcfaatcgg	cggaacccac	gactcctggt	300
ttcacagcca	ttcctccata	tcctccttcg	ccaagggatt	cgcccaagca	cagtccgcga	360
ccgtctcgt	ctttctttgc	aaacctcaaa	gcgccgaat	ctgcacacag	agcacaacgc	420
tcagacgggt	cggaagttc	aaacgacaag	cccaagagcc	ggggcagttc	tagggatcgc	480
agaacacaga	tcgcttccaa	gtcgtacgag	tcgacgccag	atcttcctgg	tacaatagat	540
cgcgcagctc	aagaggaaaa	aagtaagcgt	ctcgttcat	acaacgtcct	gcgtcttagt	600
ttttag						606

<210> 11513

<211> 192

<212> DNA

<213> A.fumigatus

<400> 11513

tcgatatcat	actgtcagaa	actgatgtct	ctcagattgt	ctttgtcgaa	taatcatctc	60
ttccacattc	cttatcgttt	cgccgagtcg	tctcacctcc	gctatctgaa	catcagagcg	120
aacaattttc	gggaattccc	caggggagta	cgtgtcatca	aagaatctgt	ttataaacta	180
ttcaagtcc	aa					192

<210> 11514

<211> 468

<212> DNA

<213> A.fumigatus

<400> 11514

gtgtacaaac	tgccgctgct	cgagatatta	gatctcagtc	gcaacaaaat	cagccacatc	60
cccgaagaga	taaagagact	gtcttcgctt	cgtgtactgt	cgattatgca	gaatcgattg	120
gatgatctgc	catttggaat	ttcggaaatg	aacaaactcc	agatcctgaa	ggttgcgggt	180
aaccactac	ggtatccctt	acgacgagtt	ctcgagacct	cggagaccga	aatcgccccg	240
tcaccatga	cagacaatga	gaaagaggtc	gccgtaaccg	cagaattgaa	aaggttcctc	300
aaaactcgac	agttaaatga	gcaagaccga	ggaaacgagt	caaggtagtg	tggattttca	360
aatgcgcct	ggcgacttct	ggcgacttca	gctgacagtt	ttcaagcgag	tgtgttctcg	420
atactccaaa	gcctgtcaga	cgcaagctca	gcagccggtt	cccagtga		468

<210> 11515

<211> 318

<212> DNA

<213> A.fumigatus

<400> 11515

aacaagtttc	ccgatatgac	aaagagcgct	gcgtatgata	ttgccgttcg	tgaattttac	60
------------	------------	------------	------------	------------	------------	----

cgactacgac	tacaagaaga	tattgaacga	cgggctcgctg	cagaggaggc	ggaagcaacg	120
ggagcgacct	tcgggccctc	tcttctggaa	gttggtatgg	agctggagaa	ccaagagtac	180
gagcgttgga	aggcatgggc	caagatggaa	gcgcaattac	tggaccagaa	aacggcgagca	240
tttactgggtg	ctcctgagat	tgccgcccgc	gatgatgctg	tggaagagct	ggaagaaaag	300
gtgccagtgc	cggtataa					318

<210> 11516

<211> 597

<212> DNA

<213> A.fumigatus

<400> 11516

ccattattac	cgctctccct	tgtgtcaatc	atatcccttc	tccttcacca	ccatcaccac	60
cacacaccac	acaccaccca	caccatgtcg	ctatctctat	cacggccctc	acacagggcc	120
cttctgagga	gacccatggt	cacagtccaa	gtctctccca	gtgctgcctc	acttgcagcc	180
aaccgcattc	ctcccgccct	ccaagaagca	accgcccga	cgccccgcg	caccaactgg	240
tctcgggagg	aggtccaaca	gatctatgag	actcctctca	gccaattgac	ttatgctgcg	300
gtaggtcgat	ctctcatcag	ttatttttct	atggatactg	acttctgcaa	ggccaccgtc	360
caccgtcgct	tccatgacct	cgccgccatt	cagatgtgta	cgctgatgaa	catcaaaacc	420
ggcggctgca	gcgaagactg	ctcgtactgc	gcacagtcct	cccggtagaa	caccggcctc	480
aaagccacca	agatgagccc	cgtcgacgaa	gtcctcaagg	ccgcccgcac	cgccaaggac	540
aatggcagca	cccggtttgt	tttacaccag	ccgggctgga	aggacaccag	tggcggg	597

<210> 11517

<211> 666

<212> DNA

<213> A.fumigatus

<400> 11517

gacgccgct	ccttctctca	tgtccaccct	gatgtcgccg	tcaacgcgaa	actcctgaca	60
ggtggactgg	tccctctttg	caccacgctt	gccagcgagg	agattttcca	agcattctcc	120
agccccgaaa	agagcgacgc	cctattgcac	ggacacagtt	atactgcgca	cgccgtcggc	180
tgcacggtcg	ccgtggattc	cctgcgagcc	atgacgaaga	tggaaagcag	tgggtcatgg	240
gatgcgtacc	gcggtgactg	gaaagcagtt	gatgtgtctg	gggaagataa	ttccccggag	300
gtctggctcg	tgtggctccg	cgatctgctg	cgggatctgt	catacgcgga	ctcggctcgag	360
agcgttttcg	ctcttggcac	tgtgctcagt	atttcaactga	gagacgcccc	aggcgggtgg	420
aagttctcac	acgaagatca	ttttctgccc	gattctagcc	ggctaaccatg	tgacctcgtc	480
cccactactc	taggctatac	ctccaccgca	gctaagggcc	tgcagcagag	attatcgggc	540
ggcggggccac	aatttaacgt	ccattcgaga	gtgctgggaa	atgtgctcta	tctcatgtcg	600
agcatcacat	cgaagcccga	gactgtgcga	ggtttggagg	agctgctccg	gtcggcggtg	660
ctttaa						666

<210> 11518

<211> 414

<212> DNA

<213> A.fumigatus

<400> 11518

ggcagatccc	tgaatggccg	tactcggatt	tctggtttaa	ccattccgcg	acggaccagc	60
tcaactgctt	ccatgcattc	tttgagcgag	ccaaccaggt	tgccagtgat	cctgagccct	120
ttgatgacaa	tggtgcagat	gggggtctcc	agcacaggac	gccctggagg	aatgccaacg	180
cagctcagat	tgccaccgac	acgcagcatg	tgcgcatgcat	gggcaaacgc	ttttgcattg	240
ccggctgtga	caactacggc	gtgtgcccct	agtccggtga	tgtcgtgcac	acgctgcaca	300
gggtcgacag	atgtgaagtc	gacgaactcg	atagcaccaa	gtcctagaac	gaagtctcgt	360
ttatcgccag	cgtcgactcc	gataaccagc	gcgccatggg	ctttggcgta	ttga	414

<210> 11519
 <211> 279
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (194), (214)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11519
 caactcaagc tgtcaagcac gcagggttcct gactgcacaa tgagattcct tcgccttctg 60
 gccctcgcgc ctctggccct ggccgcaagt gtccctcggg ccaaaatccc aacctacaat 120
 gcggtgaccg tcttccaacc cccggtgac tacaacatcc cgcgcgtcct gtacgcgcgc 180
 accctaaagc tgcnaacgg ggatctcctg tgcnactggg aagaactact ccaaggaccc 240
 cccgcaagtg tacttccccca tctaccgggc caaggacca 279

<210> 11520
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 11520
 cgattgctcc agagacggtg tatctacatg gtgacgatgc agatcccaca gactcagact 60
 gtagctcttg tctccgaact tggaggcaag gtggaatttg acgataacta tcctgtccct 120
 gtccctgggc aaaacgaggt actggcgaag gtccctctata ccggtgtttg tcagagtggg 180
 aagtttacct agtaccagta ccagaaccaa ctggagccat tctcctga 228

<210> 11521
 <211> 666
 <212> DNA
 <213> A.fumigatus

<400> 11521
 ctcttgtctc cgaacttggg ggcaagggtg aatttgacga taactatcct gtccctgtcc 60
 ctgggtcaaaa cgaggtactg gcgaagggtc tctataccgg tgtttgtcag agtggttaagt 120
 ttaccagta ccagtaccag aaccaactgg agccattctc ctgagcaatc agatctccac 180
 accaagaatg gaactgcagc cggtgccgac ggaaacccca tcacaaacat caagcgtcct 240
 cacgtgggtg gacacgaagg agtcggtcgg attgtggcag tggggccggg ttgcggaccc 300
 ggcttgaagg ttggaggcct cgtagggatt cgcttcgcca gtctgtctg cagacgatgc 360
 gagttctgcc ttgccgggac agaacagtat tgcacagaa gcaccaatca tctgcaccac 420
 gaggatggga gtttccaaat gtacattgct ctcgacgcgg actacctgac gatcctgccg 480
 gacgacatcg atccgcaggt gattgggccc gtcttatgcg ccgggggtgac ggcttacaag 540
 gtttgcaatc cccattgggt tccgtgggtc tctaacaggt taggcccgtc tcaacgcca 600
 catcagagcg gggaactggc tggtcgtggg ggggtgctgga ggtggcctcg gacacctcgc 660
 gggtag 666

<210> 11522
 <211> 531
 <212> DNA
 <213> A.fumigatus

<400> 11522
 gatcgtagct ttggccagac tacaggacag ctggctgaca ttgcatcagt tcaatacgcc 60
 aaagcccatg gcgcgctggg tatcggagtc gacgtggcg ataaacgaga ctctgttcta 120
 ggacttgggt ctatcgagtt cgtcgacttc aaatctgtcg accctgtgca gcgtgtgcac 180

gacatcaccg	gactaggggc	acacgccgta	gttgtgacag	ccggcaatgc	aaaagcgttt	240
gcccattgcat	gcgacatgct	gcgtgtcggg	ggcactctga	gctgcgttgg	cattcctcca	300
gggcgtcctg	tgctggagac	ccccatctgc	accattgtca	tcaaagggct	caggatcact	360
ggcaacctgg	ttggctcgct	caaagaatgc	atggaagcag	ttgagctggg	ccgtcgcgga	420
atgggttaaac	cagaaatccg	agtacggcca	ttcagggatc	tgcctcaagt	gtatgaggaa	480
atggagaaaag	gtgatatttc	aggacgcac	gtcctcgggg	ttgcagaatg	a	531

<210> 11523

<211> 198

<212> DNA

<213> A.fumigatus

<400> 11523

ttaacacaga	gatataggcc	tctatctagc	ttctttataa	agagtactag	tgctgctggg	60
aggatagata	attccttaat	ccacccttc	ttaagtattt	tattaaggta	tttatataga	120
gcctccagct	ctagctataa	tatagtaa	aaggggctat	atagcagtaa	cttcctatta	180
agtagttata	tcttatag					198

<210> 11524

<211> 183

<212> DNA

<213> A.fumigatus

<400> 11524

ggaggggtttt	actcaggtct	gatgcgccga	caggactttt	ggcccatcat	gtttgctgga	60
ttcaagctct	ggccttttgt	ctcgattctc	aacttcacgg	ttgtaccgcg	agacaagcga	120
ttgcttggtg	gtagtttgtt	tggcgtcatc	tgggcgggtt	atctgagtct	gatgtctggg	180
tga						183

<210> 11525

<211> 441

<212> DNA

<213> A.fumigatus

<400> 11525

gcagccgcg	ggttggccag	gttgatcatc	acctgggtct	tcacaggcgg	cagggtccgcc	60
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tcggcgcagg	agaccgttac	ctcctggctg	gtgtgcagca	cgtagctagc	attcctgtg	180
cccacaaccg	ccggaagacc	cagctccgca	ctgacgatcg	ccgcgtgcga	ggtgcggccg	240
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gtgggagtca	ccagaatcga	cccatctacg	aaccggctct	ggtcacgagc	cgattcaatg	360
agacagacgc	ggccagccac	cgcgcgttct	cctatagaaa	ggcccgtggc	cagcaccgcg	420
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<210> 11526

<211> 1119

<212> DNA

<213> A.fumigatus

<400> 11526

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<210> 11527

<211> 246

<212> DNA

<213> A.fumigatus

<400> 11527

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ggcgatcgtc	agtcgcgagc	tgggtcttcc	ggcgggttgg	ggcacaggga	atgctacgta	180
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<210> 11528

<211> 1995

<212> DNA

<213> A.fumigatus

<400> 11528

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<210> 11529

<211> 192

<212> DNA

<213> A.fumigatus

<400> 11529

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ggggtctggg	cgaaaacgtt	gttcagggcg	cggtcaacc	ggatgaatac	caaactctca	180
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<210> 11530

<211> 1344

<212> DNA

<213> A.fumigatus

<400> 11530

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gaacagccga	cgaacagggt	aatgacgagc	gataattctc	agaccgatgc	atccttacia	240
gagagagccc	gtgaaacaga	aaaagtgcag	atgcaagctc	gaaatgcaag	cgctgcagcc	300
ttgtcatcta	ccgcactatc	agaacagaga	cgaaggagc	tcgcagctgc	cgaactggag	360
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<210> 11531

<211> 843

<212> DNA

<213> A.fumigatus

<400> 11531

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aggccgaaga	agaagaggtc	caagcccagag	gctgagcagc	ggggcatttc	gtcccccttc	660
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<210> 11532

<211> 522

<212> DNA

<213> A.fumigatus

<400> 11532

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ccaccacaaa	gtctcgcaag	ggttcggggt	ccagcgctgc	gtcctcaagg	ccggagatca	180
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cagagcagca	agaggaggac	aagacggcac	tccctgccag	gccgaagaag	aagaggtcca	420
agcccagagg	tgagcagcgg	ggcatttcgt	ccccctccc	gggtgatgtc	cagccgcaag	480
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<210> 11533

<211> 528

<212> DNA

<213> A.fumigatus

<400> 11533

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atctattcat	ctcagcgtag	cattcccttc	aactcattta	aatgcacaca	agcaacaatc	180
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ccaccgctag	cagtatcaag	ctgtagcttc	cattggggcc	ttgtcccgcc	attcgcttcc	300
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<210> 11534

<211> 507

<212> DNA

<213> A.fumigatus

<400> 11534

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tatctcgctt	tggcggtcaa	tatgtgtcaa	agcatgggcc	tccaccgaag	tggcgccctg	120
aaacacgac	ccgtcccgat	cgctgacgcc	aaacgtcatg	ccttctggtc	gttgatatacc	180
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gatgcagagt	tctttgcacc	atcagacaac	ccgcattacc	gccccggga	cctgatgact	300
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<210> 11535

<211> 1233

<212> DNA

<213> A.fumigatus

<400> 11535

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gcagtcagca	ggcggaggct	gcaagtcccg	aacacaccgc	atcgtaatct	caaacactct	240
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ttgcccagga	agaagaccaa	aaagcaaac	gtcgatacat	cacaatcaag	caaaaagcga	1200
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<210> 11536

<211> 246

<212> DNA

<213> A.fumigatus

<400> 11536

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tcatggagat	cacatgtgat	tgaaggacag	tattcttcca	atcagaagca	gagtggcatc	180
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<210> 11537

<211> 432

<212> DNA

<213> A.fumigatus

<400> 11537

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gctccggaga	agggagatgc	ggataccttc	gacgctgccg	aagaagagga	ggaggaggag	360
aaggaggagg	atatactgga	gcgagagaat	ggcgtaggag	tcattgctgt	ggaggacgat	420
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<210> 11538

<211> 189

<212> DNA

<213> A.fumigatus

<400> 11538

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ctccacgacg	tccaccagcg	gtgggctaca	gctgctatgg	cgacatgggc	tcttaatggg	120
ctcttaaatac	aagatgaagt	tgacctcctt	tgtgggtctg	tcggctcgag	tatgtactac	180
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<210> 11539

<211> 186

<212> DNA

<213> A.fumigatus

<400> 11539

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gccatttccg	atcagaaaca	gtatgccgag	ataagcacat	gttctacaat	caagagcaac	120
aagtcagaga	cgaccattgg	cagaaaaatg	caagccgagg	ttcggacaac	tccgtactat	180
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<210> 11540

<211> 240

<212> DNA

<213> A.fumigatus

<400> 11540

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aataaataca	tcttagcttt	tactggtttt	gctggaaact	accgaggttc	ttccaaagaa	120
ccagactaca	gtttctgccc	taatagcagt	gctttccct	cgcttggtat	tgaagcaggt	180
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<210> 11541

<211> 240

<212> DNA

<213> A.fumigatus

<400> 11541

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cctgacattg	acaacttgcg	gacaaaattc	ttttcggact	acgttacagg	tctcgagggc	120
ttaacttcct	taagaacgct	tctttgccgc	ctacttttgg	ttaagtcgtg	tgagcagact	180
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<210> 11542

<211> 1053

<212> DNA

<213> A.fumigatus

<400> 11542

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ccacagaagc	gagcgacaga	cgacagacgt	ccctctagct	ctagcacagc	gtcgtctagc	180
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attcctgagc	atcgttccat	caatacgcca	cttgtggatc	gtcttgtgga	tcgttcgcgg	540
tcatoctaca	gcattccgtc	aacgcctgaa	tcgggacatt	cggaagtaca	gcattctacca	600
cttattacct	tgcgcgatag	tgatgacagc	gatatagcag	agatctcgcc	ccaagatttt	660
cacagtgggtc	agtccagacc	ccaaagccat	cacagactgt	atccgagcta	caatacccat	720
ccgggtcatt	cttcaaaccg	tcggagcgtg	gcaaccgagc	tgggaagata	cgtcccgggt	780
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gtcttgcaga	atactatggc	aaggcttcaa	gcaagccggc	agatgttaca	gcaggcggga	900
agatcagctc	ttgaaggatt	ttcgtcatac	ttcttaccct	caggctcttc	cggcttgccc	960
actggacttt	ctgctgatga	ttactatgct	tcgtgaagg	gctacaggta	tgctgccttg	1020
cgccttgata	taacaactgc	atcattaggc	taa			1053

<210> 11543

<211> 540

<212> DNA

<213> A.fumigatus

<400> 11543

gacttcaccc	gaccactcaa	gggtccgcct	ggcgagtctc	gcgacaaagc	tatgcaacaa	60
ctgcagggttc	tgggtgaaggc	ggttctgctt	agacggacca	agacatcgaa	gattgacggc	120
cagccgattc	tacggcttcc	acctagggtt	ctagagaagg	tgtatgctgt	gttcagcgag	180
gatgaacagg	ccatctacga	tgcgcttgag	agcaagactc	aggttcagtt	caacaagtat	240
ctcaaggcta	acgctgttgg	aagaaactac	tccaacatcc	tcgtcctgct	tcttcggctt	300
cgtcaagctt	gctgccaccc	gcacttgatg	actgatttta	gtgtcgaggt	caatgtgct	360
actgacgagt	tggaccttgt	cgccaatgcg	aaagctttcg	gagatgaggt	cgtgggtcgt	420
ctcaaggaga	acgaaaacct	tgaatgcccc	atttgtattg	atgcagttga	caatccatt	480
atattttttc	cgtgcggtct	tcaccacggg	gctggaagga	gccgcgccac	aatgacagca	540

<210> 11544

<211> 858

<212> DNA

<213> A.fumigatus

<400> 11544

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ggtgtggatc	ccaagcaagt	ccaggaagag	atcaaacaat	tgctggaaac	gatcagacca	120
gacaccgaaa	ttgccaaagga	aaagcgggaa	ggcaccocag	aggctcttag	gtacactttg	180
ctggagcatc	agaaactggg	gcttacctgg	atgaagacca	tggaaagagag	cgaagagaaa	240
ggcggtatcc	tggccgacga	catgggtctc	ggaaagacca	tacaagccat	tgctctcata	300
gtgtcccgcc	cgtctacgga	tccagagcgg	aaaccacac	tgattgtcgc	tccggtctct	360
ttaatgcagc	agtggaaacg	agagattcag	aaggctgtca	agccgggtag	gcattcaactt	420
tcagtctacg	ttctacacgg	tgacaagcga	gtggctcagc	acagagacat	gaaagactac	480
gacgtgggtc	ttaccacgtt	cggaaacctta	tcctcagaac	tgaagcacag	ggaaaagtat	540
gacgaactac	agtcggctgg	cgcgaatgag	gaggctctgt	cccgaacttt	gctgaagaac	600
ctgccatgcc	tgggcccagag	cagtcgtgtg	caccgagtca	tcatagacga	ggctcagtcg	660
atcaagaatc	gaaatacgag	atccgcgcaa	gcattgttgc	gtctcaactc	cacctatcgt	720

tggtgtatga gcggaactcc aatgatgaac actgtggaag aactacattc attgttgaaa	780
ttctctccgga tcagacctta ttccagcctt gatcgtttca acaaggtaag tgtcgggtgat	840
cacaccgtgt ttggctaa	858

<210> 11545
 <211> 321
 <212> DNA
 <213> A.fumigatus

<400> 11545	
tcaagcattt cacctcgact gactagacga tctatcccct gtcaactgga gattccagtc	60
gagtcacgat tattgtttct ttataaggat tcgatcattc cagggcgatc ggtgttgga	120
gcccactaa acacgcttcg tactatcctg accgcctcca cagcccacat cccaagctat	180
cgctcacaga cgcacgatct tcccaaccat ctcgtttttc ttattggttt tttttttttt	240
ttcgctatct tccctcctct actcattctc attgagactc cgatcttcgc cggcttggtc	300
ctggttctcg gatctctgta a	321

<210> 11546
 <211> 579
 <212> DNA
 <213> A.fumigatus

<400> 11546	
tctgccaccg cgtgggcaag accgaagttc aagcaaaact gcaacgttga caagctcatc	60
aacattcttg atcaagcagt atctgcatac gacgcccagg acctcgcaac gaaggccatc	120
cctcttctcc acacacttgt gaccatctac gaagtggcac ctgatgggccc acgtaaatac	180
atgcagtggc tctctctgcc ggaagacagt gatagaaaac agccaattgg caaatcagat	240
acgctatctt ccaagctgct gcgactgtca accacgccat accagaatct gaaaatcgcg	300
atctccgagc tcatgttcgt tctctccggc aaagacgcag agaacctgac aaagaacatc	360
ggatacgggt ttgccgccgg attgctagcc tctcgtggta ttgagatacc acaatctgcg	420
agtgaagctt ttgcaaccaa ttcgaatagc ttcgacccag agattaaccc tatcactggc	480
caacgatggg atgccgagaa acaggacacg ggcccgccaa tgtccagaga ggagaaggaa	540
agggaagcag agaggttatt cgtgcttttt gagaggttaa	579

<210> 11547
 <211> 405
 <212> DNA
 <213> A.fumigatus

<400> 11547	
ggagggacca ggaatgggtc gaaacacaca aggatgggtc gaatgctttc ttgtcttatac	60
ttcaagcgta ggtcattttt ctcaaatgtc ttttgtgta tgcttcgttt atcttaccct	120
catcatagcc aaatttccga attgcagata gcaacgtcgc agccgttagg gctcatcatg	180
caatacacct tcaggactat catcgcgctg ggactggcat tctataacctc gtggagtctt	240
gcattcatta ctctagccgg gattccggct ttctcagcca tcgttgccctt tctttcttcg	300
cgaatcaagc ccagaatcga agcccagcag gttgagctta accgtgcctc aaaagttgcc	360
aataacgcta cgagtttgat tgacacggtc aaatgtctca acgga	405

<210> 11548
 <211> 381
 <212> DNA
 <213> A.fumigatus

<400> 11548	
tactcccatc gatacttaca gtttcccggt ttagccgtcg aacacttgat gacatactgg	60
gcgattctcg agaaagtccg cggttcgcag ctgagattaa caaagatgga cgacgatatc	120

tacgagcact	tcaagaggga	atttcccgac	ttcgatcctg	cggcaccat	cgacgaggat	180
agtatgaaga	gcaaggaggg	caaggaaaag	tggcggaaat	ttatcaagga	gtacgagaag	240
aagattagcg	actacaactt	cggaaccata	ctcagagtca	gtcctgggtg	cgagtacgat	300
caagacacaa	ccatttttcg	taggttgcta	ctctgtgcta	attcttttgg	caaggtgcga	360
atagctacta	accgtcactg	a				381

<210> 11549

<211> 534

<212> DNA

<213> A.fumigatus

<400> 11549

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ttttcaatca	gcctctacaa	gatgacattc	gccttggtcaa	tatcacttcc	cagccttaga	120
cgcataattgc	actggagatg	gagttggatg	tcattgttta	gctttaccac	caagaacccat	180
ttgcccactt	tgagtctggc	gatggcgctt	gctctccttg	ctagctctgt	tacgcctata	240
ttcgccatcc	ttctgggaga	cattttccac	tcgttcacat	cgttcgggtg	tggtgatatt	300
agtggcgacg	accttctccg	aaaggtaaag	agaaacggca	tcgcgctttc	aggcttaggt	360
atcgctagct	gggtactcaa	tggaacgtac	ttcagtctct	tcattgtttt	tggggagcta	420
caagtatcga	acgctcgaac	caggatcttc	gaagaacttc	taaggaggga	ccaggaatgg	480
ttcgaaacac	acaaggatgg	ttcgaatgct	ttcttgtctt	atcttcaagc	gtag	534

<210> 11550

<211> 321

<212> DNA

<213> A.fumigatus

<400> 11550

cgtttgaatg	tcaatgcggc	atcaatcgtc	gccattcaac	tcttctactt	acaatgggaa	60
aaaaaggccc	cggacacgtt	tcaagtccct	cttgaaacgc	tgccaaccgg	cttttttgct	120
ctgatcgga	agaaccgaag	ctcccaaaaag	tcgttcctgc	tcgtcgaaag	tcgcgtcacg	180
gtcgccctcc	atgaactcgc	gttcctccgc	gagctcctct	ctttcctcga	cagcacggta	240
cccagcgtat	gcggccgaaa	taggctgcag	aggagatctt	ggcaggacca	tgaaaaagct	300
gactaccatg	accgctggta	g				321

<210> 11551

<211> 213

<212> DNA

<213> A.fumigatus

<400> 11551

cgaactaacc	tacctcccc	gtcttccttt	gttatgcctg	ctgctgctga	tacagaggaa	60
gaacaacctt	tgctgccact	tcctgggtgct	ccatcctcat	catgggctca	attctgccag	120
cgattccggg	ccttggttcag	tggcgcggac	cctcgcgtct	gcgtgcctt	ttggtctctt	180
ggtgagtcga	tgcaaaccga	ggccttccca	tag			213

<210> 11552

<211> 783

<212> DNA

<213> A.fumigatus

<400> 11552

attgaagcat	accttgacgc	tgacaattat	gcgctttgcc	tgatcattat	aggtctaatt	60
aacaatgtcc	tgtaagttgt	tatcctgtcc	gccgcctcgc	atctagtcgg	gccagtgctc	120
cccaagggag	tcgtccttct	ggcggatgtg	ataccctcgt	tcgcaacgaa	actcatcgcc	180
ccgtacttca	tccatattgt	ggcctacccc	gtgcgaatca	tcataattcgt	cttcctctct	240

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gctgctggca tgctcctagt tgcgctgagc cctccgtata ccgatggggg gacgatagcc 300
actaaacttg ctggcattgt gctggctagc ttgtccagcg gaggtggaga gctgagcttc 360
gttggattga cacatttcta tggccctttc agtctggctg cctggggaag tggaaacagga 420
gcggtctggc tgggtggagc tgggtgcgtac gccctggcca ctacctcgtt gggctctcagt 480
gtgaaggcca ctctgttggc atcttcatgt ctaccagcgg tcatggtagt cagctttttc 540
atggctctgc caagatctcc tctgcagcct atttcggccg catacgtctg gtaccgtgct 600
gtcgaggaaa gagaggagct cgcggaggaa cgcgagttca tggagggcga ccgtgacgcg 660
actttcgacg agcaggaacg acttttggga gcttcggttc tttccgatca gagcaaaaaa 720
gccggttggc agcgtttcaa gagggacttg aaacgtgtcc ggggcctttt tttcccattg 780
taa

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<210> 11553

<211> 240

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (184), (210), (212), (213)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11553

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atctttactg ttgtgtgtgg attccagagc tttcagaaga agtatcctga tgttatctct 60
gagattcgcg gcggtgggtt attcctgggt gttcagctgt ccaagtcgca cacaacaaa 120
gcgtcggacc tggtcaccgc agttcctgag cgaggattgt tgatcattac tgctggcgaa 180
ggangtcttc gcttcgtccc tctccgaacn annaccgagg agcagattaa aagtttttga 240

```

<210> 11554

<211> 522

<212> DNA

<213> A.fumigatus

<400> 11554

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cattcaaacg ctagtatgct tccactactt ctgggtctatg tcgcggagta caccgataaac 60
caaggagtgt ctccgacact gctctttccg ctgacgaat cgccttttgc gcatttccgt 120
gcgttttatc cagcatacaa tgcgatctac caggtggggg tctttatctc tcgactctcc 180
acaccttttt tccgtatcca tgacctctac ctcccgtctt tctgcagat tctgaacttg 240
gtactactga ccttcaagc cgttttcaac ttcattccca gtgtgtatat catttttata 300
atcatcttct gggagggatt attgggcggt ttggtctatg tcaacacatt tgctgagatc 360
ggagatcgtg tgccaaaaga agaccgcgaa ttctccctag gagcgacaac agtcagcgat 420
gcagcaggta tctgcattgc tggcttcgtc agtatggctt tcgaagtctg gctttgtgac 480
tggcaagtca cacatgggcg ggactactgc cggagaatat ag 522

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<210> 11555

<211> 849

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (193)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11555

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ttaataaata ccttgatctc cttcattatc atcttgatct ttgccttcat tcacctgttc 60
tcttcattcc catctttcct tatcttctcg gtaagccgtt tagtgaattc ttccagtaac 120

```

```

actgatccgg cccaccctcc cccatataag agtgatatca tctactttct ttctctttatc 180
accactcat ctnccttcta cgtaaactct accttactct acgtctacat actctctcga 240
ctctcatctt tagctaccat gcctcgcttt gatgatgccg actttgggtgt cgagcccgtc 300
cctgcgggtg ctctgttcgc cagagatgct cgtggcagtg cttctggctc tctccccatc 360
cccaacgagg cgggcaacac tgtcgaaatc cctgccacca gaagctccat cagtgatgcc 420
gctcagttca tgcacaacct gagcttgtct ccttcgatgc gggatcgctc gggttctcgc 480
aactctttcg gcaacttcct ccctatcccc agatcccctc gtgtgtctcg cctatcgctc 540
gttcgtaagg ccgacggcgc ctctgtctct cgtgatatcc tggcctctca ggtccaggac 600
atgtccaagg agaaggtggc tgccgccaag aacatggcgt tcgctttcga catcgacggt 660
gtcttggctc acggcaacca cgccatcccc gaagccaagg aggccctcaa gatgctgaat 720
ggcgacaacg agttgggtat caagatccct tatatcctcc tcaccaacgg tggtaggaag 780
actgaagccg ccggttgoga gcagctttcc gagatcctgg aggtgcctat ctcgaccgac 840
cagttcatc

```

<210> 11556

<211> 642

<212> DNA

<213> *A.fumigatus*

<400> 11556

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tctcccactt atccgtcatc acattccaat acccctgaac atcttggttc ttttgatcag 120
tttcccattg ttcaatttca tcgatcttct tctacctcaa ccacctcaat tgcgcctcta 180
cctctgtgca aaatgtcggc cggtgtcact ttcactctca gcaacggcgt taagatcccc 240
gctgttgggt tcggaacctt cgccagcgag ggtgctaaag gcgagacctt caacgctgtc 300
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gacgaggtcg gcgatgccat ccaagatttc ctcaaggaga acccctcggc caagcgcgag 420
gatattttca tctgcaccaa ggtctggaac cacctgcacc gctacgagga tgtcatctgg 480
tcgcttgaga actccctgaa gaagctcaag gtcgactacg tcgacctcta cttgggtccac 540
tggcctattg ccgcagagaa ggagacgcaa gagaagccca agatcggccc tgatggaaag 600
gtaattctgc gaccagagt cttctgtttg aaccgctact aa 642

```

<210> 11557

<211> 570

<212> DNA

<213> *A.fumigatus*

<400> 11557

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ctctacgagg aaggcaaggc caaggccatt ggtgtctcga actggaccat tgaagggtc 120
gagcagctgc tcaagttcgc caaggtcaag cccacgtca atcagatcga gattcatccc 180
ttcctgccc aagaggaact cattcagtag tgcttcaagc acgatatcct gcccagggcc 240
tactcgccat tgggctccca gaatcaggct cccaccaccg gcgagcgct cagcgagaac 300
ccgacctga acgagatcgc caaaaagggc ggcaacctc tggctcagggt gctgatagcc 360
tggggctctg gccgcggcta tgttgtactg cccaagagct cgaaccagc tcgtatcgag 420
tccaacttca agagcattca gctgtcggat gccgactatg aggccgtcaa caacgtcgct 480
aagggccgtc acttccgatt cgtcaacatg aaggatactt ttggctacga cgtgtggcct 540
gaggagacgg ccaagcagat gtctgtctaa

```

<210> 11558

<211> 369

<212> DNA

<213> *A.fumigatus*

<400> 11558

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gtgaggtgga aattatgctt tcactctcta ctattgtcca gcgctaaact ttctacacac 60

```

ggcagattcg	aacagttcaa	agaactcact	gacggtgaca	agcctgttgt	aatcgacttt	120
tgggcaacat	ggtgtgggcc	gtgcaaggct	atttcgcccc	ttttcgagaa	gatgtcggat	180
aatccccgaat	atggcaatgt	cgggttctac	aaagttgatg	tcgatgagca	ggagcaggtc	240
tctcaagagg	tcggcatccg	tgcaatgcc	acctttgttc	tctttaagaa	cgggtataag	300
attggtgaag	ctgtgggagc	cgctccacca	cgtctggaag	gacttctcaa	cactgcacgc	360
tctctatag						369

<210> 11559

<211> 534

<212> DNA

<213> A.fumigatus

<400> 11559

tccaccaacg	cccctgactt	ggcaacagct	gtcagccacc	acatccgccg	ccccgcaagc	60
atgagagagg	tgggagagat	gtggaagaac	atcctggtgg	gattctttcc	caacagagag	120
tatgtctcgt	tccccctccg	agacacccac	tactacatca	atctcgacct	gaacactcac	180
ggctacttgg	gcctaggctc	cgtcgtgcgc	actcagggtt	tcaacgcggg	cgtccacttt	240
ctccagctca	atttcacggc	agctccagcc	gacggctctc	ctttctcctg	ggagggaaat	300
gagcactttt	tgaagcggga	gatgagaggc	tcgctgcaga	gtgttcctga	ggaccgcaag	360
cgcgccatct	atggactgat	tgcgattgga	acatatgtgc	gcctctaccg	gtacctccct	420
gacggtcagt	ttgctcctgt	caccttcgtg	gttggaagc	agacactgca	tgtccgcgct	480
gaccaagcag	tcatccgaga	attcctcgcc	ggcgttcagg	aggagtggat	gtga	534

<210> 11560

<211> 333

<212> DNA

<213> A.fumigatus

<400> 11560

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tctttgctga	ctgccctaag	cgcactcactg	gtgtgtgccc	agggatatag	taaagaatgt	120
tctgatatact	atctccaaga	aggttggtcta	gttgcaacct	gtcccaagga	cgacaacaac	180
ggcagaatta	ccagcagcgt	ttacctgccg	aacaagattg	ccaacgataa	tgctgtgctg	240
gaggtgagtt	ctcgactgcc	gtcatctcct	gttctcttac	cgggactaac	agaaatacag	300
tgggctgttg	agtatgtctg	tcgtgcttgg	tga			333

<210> 11561

<211> 507

<212> DNA

<213> A.fumigatus

<400> 11561

acgacggaaa	ttccacctcc	agccctgaaa	agcgatcatc	ggaccgcgtc	gcttcgatct	60
ggacacaaca	gtgcaggcgc	aaactcacct	cgtcccagtc	tatcgcgacg	ctcttcgtcc	120
tccaacttcg	cgacctcccc	cacttcaca	gcaaatatgc	catccaaaag	acctcaggag	180
caagctgcgc	ccactgcagc	ttctgtcgcc	gcggatttct	tccaacgaga	agtcgatttg	240
caccaatcca	ccgacctaca	ttccaaagtc	gtggtagtcg	ttcatgacgc	gtgctacggc	300
catcgtttct	cgcgcccgcg	aacgtcgaag	accgctttga	gttacatcgt	cgaacggccc	360
gagagaatac	aagcttgtgt	ggtgggagta	tcggcagctt	atgtcctcat	ggccggccgc	420
catgtctgaa	agcgctttgc	cctcctcct	gagcttgatt	tacatcagct	ccccgcgccg	480
ccgttccaaa	tccgcaagac	gtcgcgg				507

<210> 11562

<211> 360

<212> DNA

<213> A.fumigatus

<400> 11562

cccgatgaaa	tacagatggg	gatcttctta	tgtatgcggt	gtgcagctct	gcacgtaag	60
ctgggcacac	acatttccaa	ggtcaagtcc	ttgaccatgg	acacttggac	ggctgaacag	120
gttgatgtaa	gtaaatcagt	tcaacaacgt	gaagaggcac	aagctgattg	cctatgggac	180
acagaatatg	aaatcacacg	ggaataccct	catgaacaag	atcttcaatc	ccaagaacat	240
caaacctccg	gtccccaaag	atatcgacga	ggccgatgcc	agcatggagc	ggtacatccg	300
gcagaaatac	cagtatcggt	cgctggagga	tggaaaaccg	aaaccaccaa	gccgtcatga	360

<210> 11563

<211> 519

<212> DNA

<213> A.fumigatus

<400> 11563

gtaaatcagt	tcaacaacgt	gaagaggcac	aagctgattg	cctatgggac	acagaatatg	60
aaatcacacg	ggaataccct	catgaacaag	atcttcaatc	ccaagaacat	caaacctccg	120
gtccccaaag	atatcgacga	ggccgatgcc	agcatggagc	ggtacatccg	gcagaaatac	180
cagtatcggt	cgctggagga	tggaaaaccg	aaaccaccaa	gccgtcatga	ttccagttac	240
ggcatgtctc	cggagggctc	accccccca	ctacctccaa	aatccggccg	gtttccgggc	300
cctgggttac	gatccgcttc	ctctacctcg	aacctccagc	ggccgtccaa	cagacccttt	360
gcgacctcac	ctcgatccga	aagacccgat	tccccccac	cacgaagcgt	ttctacttcc	420
ggctctcaag	ggtttggaact	ttccatccgt	gatacaagtg	atgcatcatt	tgagtcgaag	480
ctggcccagc	tgagagaaat	gggggttcacc	aacgagcgt			519

<210> 11564

<211> 1017

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (563), (565), (571), (572), (573)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11564

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<210> 11565

<211> 753

<212> DNA

<213> *A.fumigatus*

<400> 11565

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<210> 11566

<211> 567

<212> DNA

<213> *A.fumigatus*

<400> 11566

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<210> 11567

<211> 1200

<212> DNA

<213> *A.fumigatus*

<400> 11567

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<211> 207

<212> DNA

<213> A.fumigatus

<400> 11571

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<210> 11572

<211> 219

<212> DNA

<213> A.fumigatus

<400> 11572

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<210> 11573

<211> 480

<212> DNA

<213> A.fumigatus

<400> 11573

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<210> 11574

<211> 219

<212> DNA

<213> A.fumigatus

<400> 11574

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<210> 11575

<211> 420

<212> DNA

<213> A.fumigatus

<400> 11575

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<210> 11576

<211> 2331

<212> DNA

<213> A.fumigatus

<400> 11576

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<211> 636

<212> DNA

<213> A.fumigatus

<400> 11577

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<210> 11578

<211> 477

<212> DNA

<213> A.fumigatus

<400> 11578

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<210> 11579

<211> 321

<212> DNA

<213> A.fumigatus

<400> 11579

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<210> 11580

<211> 525

<212> DNA

<213> A.fumigatus

<400> 11580

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525

<210> 11581

<211> 738

<212> DNA

<213> A.fumigatus

<400> 11581

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<211> 192

<212> DNA

<213> A.fumigatus

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<211> 201

<212> DNA

<213> A.fumigatus

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<211> 393

<212> DNA

<213> A.fumigatus

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<210> 11585

<211> 249

<212> DNA

<213> A.fumigatus

<400> 11585

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<210> 11586

<211> 189

<212> DNA

<213> A.fumigatus

<400> 11586

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ataatggcaa	agttgaagaa	cccgatggtc	tggctgttga	agttgtacgg	aggagcggca	180
aaggcctga						189

<210> 11587

<211> 1068

<212> DNA

<213> A.fumigatus

<400> 11587

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gataaactca	atgccctcat	aacgagcctt	acaacctcgc	cgaccgcctc	aggagctcct	180
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cgccggcacc	aggagaacta	cgccagaatt	ctgaaacttc	gcgcggaggc	tgaaagtctg	300
gaggagaagg	tcaagggcat	tgtgagagac	ggttggtggc	acgagaagga	gattcggagg	360
atctgcggcg	acgacgagcc	aagtgtattc	gatgcagatg	acgtttccga	tgatgatgat	420
ctggactctg	gcggcgatcg	agtgcaaacc	aagccaggcg	gtctacgaaa	tacaaaggaa	480
attgattaca	aattgctgct	ggactttg	cgacggatta	gcaagtacaa	ccaccaagcc	540
gccgcgggatg	cagctgcca	tgccacgcag	gccgccaaag	gacgggggag	aagtctacaa	600
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gtggaacgat	tgatacgcga	ggccgaggg	ctggggtcta	cagagccagt	ggttctctgct	900
tcacagccta	tgggagagga	gagaagacat	gcaaacgaag	ccgccgaggc	tcagactcaa	960
gcaggcgccg	cgagcagcgg	aactatggcc	gcaccagcgc	ctgcccctaa	gccccaggca	1020
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<210> 11588

<211> 441

<212> DNA

<213> A.fumigatus

<400> 11588

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tcgtttcgacg	ccgatctggc	gtccgtggtc	aaattcaccg	gcgtttgcat	gctcgttctt	180
ggtttcagta	atttcttctg	gtgcgtcctc	gagattctcg	atagtacat	gtggctgacg	240
agtcgaagg	tcccatcca	ggcagcttcc	ggtcgacggc	cggtcctcat	cttttccacc	300
cttatctgtc	tgttcagtaa	tatatggcga	gcgctcgca	cgtcgtatgg	aagttacatg	360
ggagcatgca	tcctgaacgg	tttcggggct	gggcctgccg	aggtaggaac	actcgcaacg	420
acacaaggct	tcgtgtgtta	a				441

<210> 11589

<211> 750

<212> DNA

<213> A.fumigatus

<400> 11589

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ttccccgaaa	ccaaatggca	ccgcgcccac	ccctccgagg	tgacgatgg	tcaggaaccg	180
gtcgagacgc	cctcgtcggc	ctctgagcca	gagaagccgg	cagaggtcat	catgcagcgg	240
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tccaagcagc	agttcatgct	ctggcagccg	tcggacaact	atctgaagac	cttgtggacc	360
tgtttctgga	ttcgtggaa	actgctcacg	ttccccatag	ttgaacttgc	tgcttccacc	420
gtctcgtggg	ccgccagctg	catgttgacc	ttgaacctca	cccagagtca	ggcctttgcc	480
gctcctccgt	acaacttcaa	cagccagacc	atcgggttct	tcaactttgc	cattatgggt	540
ggggcgatca	taggcttggc	gaccaacggg	cctttgtctg	actgggttcc	gatgagggcc	600
acaaagaaga	acagaggtat	ccgggagccg	gagatgagat	tgccagctat	gataccctat	660
gtgatcatca	tgatgatcgg	caacttcgtc	gtggcattcg	gctacgaaaa	caaatgggat	720
tggaaggcca	gtttcacagc	attctgttga				750

<210> 11590

<211> 315

<212> DNA

<213> A.fumigatus

<400> 11590

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acagtcaaca	agaacctgtg	gggttatgga	ttcgtggaat	tcatcaccct	gtgggtgatc	180
aaaagtgggt	tcgttaggcc	catcatgatg	aacatgtctc	tgaccacctt	ctgggtgtct	240
tgcgccattc	cggctctatt	ttacggaaa	cgtttccgca	agtggactgc	caagtcgtca	300
gttcacagta	tgtag					315

<210> 11591

<211> 1974

<212> DNA

<213> A.fumigatus

<400> 11591

actattctca	cagtttccac	tttcacctca	ggtttcggca	tcgaactgag	accccacgtc	60
agtgaacat	tcgactcctg	gctggcggcc	ttatttgtgt	ggcagccgat	ccgaccgaaa	120
ggcgtgcaaa	acaagatgac	gaaacctcag	tcggtagcga	tcggagtacg	tcgcattgag	180
gaccgtcggg	gaaattctga	gagcaccgtt	cagaaagatg	cggccattat	caaggctcgg	240
aagatgctcc	tgtgggacag	acctagtacg	tctgggtccc	gtcccaattc	cggccatcgt	300
gtttcgacct	atcgccagca	aagggcgctg	tcttcgtcgt	ggcagaaagt	cagttgcacg	360
ctacaagaaa	atgggtgcatt	caaactattc	acagaaacag	acatcacttt	agtcacttgc	420
attcaattgt	cccaattatc	tcgttgtgag	gtgcagcaat	taaatgagtc	tggttcttgag	480

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gacgatttct gcattgccat ctatcctcaa tatgcggcgc attctgcata cggggttgacc 540
cggccgggtct atcttgcgct agagagtcga gtgctctttg aggtctgggt cgttctcctg 600
cgcgctttta cgattccgga actctacggc cctgaactgc ctgtcgagga gaactcgaca 660
aatgcagcag ggtcaagtga tgcgagctcg ccaccacaaa gggacatgtt tccaatcgaa 720
aggatgctct cggtcagagt gaccgaggca aagctgcaac gtgacaggcc aagtgaggag 780
acaccgagga gccggaagcc atcaaggtct cacagcaacc cgggtccggc gcccgctgtc 840
agtgactact acacagaagt tctcctcgat ggcgaaatcc gagcgaagac agccgtcaaa 900
ttccgcacat ctaacccttt ttggcgtgaa gatttcactt tcaatgatct cccccggtc 960
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tacggcgact tcctgcgaac ggtgacatac agcagcgttt ctggattcct gttcctgcga 1920
ttcttctgtc cagcaatcct gtcttcacca cggggctgga aggagccgcg ccat 1974

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<210> 11592

<211> 189

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (179)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11592

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gatacttacc tgtcactatc gatctaccaa acaaaggaaa agaagccatc aaataaaaag 120
caggccgatg aaagtgtgtc tatctttttc caaatagaaa atgatctgtc caacctagnt 180
ataacctag 189

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<210> 11593

<211> 684

<212> DNA

<213> A.fumigatus

<400> 11593

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ttcacacttg attcagagag acatctaggg gttctgagcg acaaagtcac gacccttctg 60
aatgttcttc ttgagatcag taagagcagc ctggatgagc ttctcctcgt aagcgttgac 120
cttgccaact tcaaggatct tctcaacacc gttgggaccg agctcgacac gggaggcgaa 180
gaagtcaaca ccttggctct tgtaaagagg gctctcaacg aagggtgggt cgatgacacc 240
cttctcgccc tgagcggcct tcaggaggga ctcggcgaag cgagcgccgg ccatggccat 300
ggagagagta gcggaaccgg caccgtcctt ggcttgacg acctcatcac caccgaactg 360
aatgcggttg acgagcgtat cgcgggtctc gccctcaata tcgggggtgg tggactggga 420
gagcagaggg acgatggtga ctccggagtg gccaccaaca acggggacgg cctccttggc 480

```

```

gggggtcgggtc ttcttaaatct gggagatgaa gcgggaggca cggacgacat cgaggggtggt 540
gacaccgaag agacgcttag ggtttagac acccttggac ttgaacacct cggcgacaat 600
ggggacggta gagtttacct tgttgtgacg ttagcgctgc tgatcagata taattgtttg 660
ggatacgtac ggggtttgag ataa 684

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<210> 11594
<211> 417
<212> DNA
<213> A.fumigatus

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```

<400> 11594
caggaattgt tcttactaa cttgttcttg tcattgacaa acaacaacct gactgtccca 60
ctgattgggt tcttgcctag gctattttat gcgttctctg gagaacctaa acaactgacc 120
aaatgtacta ggaccgaatt ccctccagca agtctgtga gatcaattgc aggcaaaaat 180
gttgtgacta tccattttaa cgactcagt gatacctcag cctgtcatct ggtagcaccg 240
ggggaaagga atcatctagg tcagaaaccg gcccgacgtg ttgcaacgcg agctggagat 300
tggcccatca gcagcggcct ggagaaactc gactacatgc tccctttcgc ctttccatc 360
cgttcatacc ctatcagtgt tgtctctaca gtttcagggt ttcaacaacg cggctag 417

```

```

<210> 11595
<211> 537
<212> DNA
<213> A.fumigatus

```

```

<400> 11595
gcctccaagg tcgtgttct cggcgtgct ggtggcattg gccagcctct atatatcctg 60
ctcaagctca acccccggtt ttctgagctt gccctctatg atattcgcg tgccctgggt 120
acgtctccgg acatccgaaa ctgcggtttt caaagtttca aagcccagta tatgctgact 180
cgagatcttt tgacaggtgt cgctgctgat ctgagccaca tcaacactaa cagcactgtc 240
actggctatg accctactcc ctctggcctc cgcgatgctc tcaagggctc tgagatcgtc 300
ctcatacctg ccggtgttcc tcgcaagccc ggcgatgccc gtgacgggat gtgcattggc 360
cttttcaatg atgcaaggac aattactgac gctgccatgc agatctcttc aacaccaatg 420
cctctattgt tcgtgacctc gccaaaggct ctgctgaggc atcccccgag gccaacatcc 480
tggttatctc aaaccccgta cgtatcccaa acaattatat ctgatcagca gcgctaa 537

```

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<210> 11596
<211> 606
<212> DNA
<213> A.fumigatus

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```

<400> 11596
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gtctacaacc ctaagcgtct cttcgggtgt accaccctcg atgtcgtcgg tgccctccgc 120
ttcatctccc agattaagaa gaccgacccc gccaaaggagg ccgtccccgt tgttggtggc 180
cactccggag tcaccatcgt ccctctgctc tcccagcca accacccgga tattgagggc 240
gagaccgcg atacgctcgt caaccgcatt cagttcggtg gtgatgaggt cgtcaaggcc 300
aaggacggtg ccggttcgc tactctctcc atggccatgg ccggcgctcg cttcgccgag 360
tccctcctga aggcgctca gggcgagaag ggtgtcatcg aaccacctt cgttgagagc 420
cctctttaca aggaccaggg tgttgacttc ttgcctccc gtgtcgagct cgggtcccaac 480
ggtgttgaga agatccttga agttggcaag gtcaacgctt acgaggagaa gctcatccag 540
gctgctctta ctgatctcaa gaagaacatt cagaagggtc gtgactttgt cgctcagaac 600
ccctag 606

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<210> 11597
<211> 465
<212> DNA

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<213> A.fumigatus

<400> 11597

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gaaggagcag	ggggtggagg	tggaggagct	ggcgagggcg	gcttcctcga	cgtcaacggg	180
ggaggtggca	gtttcgccga	accaggcaaa	ggaggaggtg	cacgtggagg	tggagcatcc	240
ggagcagttt	taattgatgt	agaggatgag	acggttgagg	aaggccttga	ggctgggtctc	300
ggcggaggtt	tgcgcagatt	agcaactagc	gggttgagcg	gaggggcaga	cggcgattct	360
gtagaagacg	ggggcggttg	tggcggtgga	cgagcacctg	gaggctttgg	agcagaggcg	420
acaggaggtg	gtggaggtcg	cgaagcctcc	gagtcctgaca	ggtaa		465

<210> 11598

<211> 1221

<212> DNA

<213> A.fumigatus

<400> 11598

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aggtctcaag	ctctggtttg	tcaattttgc	caactaccta	ccaggccaat	tgcccgtaaa	120
gcgcggtttg	cgcgatacta	ctcattctcg	acgacaaccg	cttcccgcg	ccaatcgaga	180
caattgcggc	caaagaagga	ttcaagaaat	tcatggatca	ctaacaggct	tacacctggc	240
cgattggcat	cgacttcac	gaacacatct	tcctccttcg	acccagagac	gtccttgcca	300
caagtctcct	atgagtcttc	cgaacttctc	aagctcgact	ccgtaccctc	caacgagtca	360
gttgtgaagc	ttttacagag	atgtgaacaa	atagcagagg	ctcttgtag	ccgcgaacaa	420
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gtgccactag	gcggtcttgc	agccacgcca	gccgcgtgtt	acgtcatcgc	ttcctgggcc	960
tctagtttgc	aaaccacat	ggatcccagc	acagcgacgg	gcattgcctt	cgcggccacc	1020
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caaattgaaa	gggttgtctg	gcagcctggg	gttcccttac	gacatcgttg	gctgcgagag	1140
gaggagcgcg	ccgcactgga	tagggttgcc	gtcgcttggg	ggttcaagga	tatctacatg	1200
aggggcgagg	aggagggata	a				1221

<210> 11599

<211> 258

<212> DNA

<213> A.fumigatus

<400> 11599

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ctctatgcag	cggacgtata	tcctagaata	gatgaagatt	ggaacatgtg	cagtatgcca	120
gcacacacta	cggaaattccc	gaaaaaaaag	aattatgttc	cagtcgtgga	catcacattt	180
cctatctatg	gcataataca	tcccacatct	gagcgcctaa	aaaccctgt	cacaaagcta	240
attgcgcaga	gaatctag					258

<210> 11600

<211> 276

<212> DNA

<213> A.fumigatus

<400> 11600

tcttacgggg	gattgaaccc	atcctccctt	tatttcattc	ctacacatct	caacccagac	60
tggattgtct	ttatcccttc	cattactgct	cctcgaacca	agatgcgtcc	accaccacca	120
cgcccgccgc	cgcttgagg	gatgggaggc	cctcctcctc	ccccctctcc	gtctgggagt	180
ctgccgagtc	ggccagcgaa	aggtgaagtt	aaagataggg	tcagctggaa	accggttttc	240
ttgtcttccc	aagttcctct	gctaagtgtc	tggtag			276

<210> 11601

<211> 1248

<212> DNA

<213> A.fumigatus

<400> 11601

agcgctcttc	tttcagatat	cacgaaagga	accaaactga	agaagaccgt	cacaaatgac	60
agatcgggcg	ccatgattgc	gggaggagga	gttaaatacag	ctgcacctcc	agttgcaagt	120
gcacctcctg	ttcctggcat	gcccacaccca	agtggcctgg	cacccctgt	tccttcggcc	180
aaccgattac	gaagcagtag	cgaaagcggc	ggtggtggag	atagcagtag	atctcatgct	240
cctcaactgg	caggactttt	cgcaggaggg	atgcccaaat	tgctagtagc	ggcgaggagt	300
gacacaggag	ccaaccgtga	ctgccttac	ctgtcagact	cggaggcttc	gcgacctcca	360
ccacctcctg	tgcctctgc	tccaaagcct	ccagggtgtc	gtccaccgcc	accaccgccc	420
ccgtcttcta	cagaatcgcc	gtctgcccc	ccgctcaacc	cgctagtgtc	taatctgcgc	480
aaacctccgc	cgagaccagc	ctcaaggcct	tcctcaaccg	tctcatctc	tacatcaatt	540
aaaactgctc	cggatgctcc	acctccacgt	gcacctctc	ctttgcctgg	ttcggcgaaa	600
ctgccacctc	ccccgttgac	gtcgaggaag	ccgcctctgc	cagctcctcc	acctccaccc	660
cctgtctctt	cgagtccagc	tgcaccacca	cctcctctc	cgccggcatc	ttcagcacca	720
cgaccgcctc	ctcccgacc	ggcacgagtc	acctcctc	ctccacctcc	ggcagcggca	780
gcttcgtcac	ctcatacaaa	tggggtagcg	gcagcttcta	tcgcggtgca	agctgccagg	840
aacgctctcg	ggcacagtaa	ccatgcgcgc	tccgtacctc	ctccacctcc	tcctgcagcg	900
tctgccccat	cagcgctcc	accaccaccc	ccgccatcag	cgcgcgcaac	ggcaccagca	960
gtacacccca	gtcatccgcc	acccccctcca	gcacaaaccc	caacaccgcc	gcctagccag	1020
cctgtgacct	gttcgacctt	ggatccgagt	gcttataccc	taaccaatgg	cggcttgtcg	1080
ccgggtcatc	agaacatggg	ctcgcaccaa	ataattcgag	tggaagacaa	tcggttcaaa	1140
ttccagagtg	aagggtgct	tcccaagccg	cggccgtttg	tgggagggtc	cccgccgata	1200
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<210> 11602

<211> 195

<212> DNA

<213> A.fumigatus

<400> 11602

ggtaaaaagt	tactgcattc	cgggcataag	gtccgtcttg	tcaagtatca	tcctctcat	60
accgataaac	tcacgcaggc	tgtccacta	ttatccctcc	tcctcgcccc	tcattgtagat	120
atccttgaac	ccccagcga	cggcaaccct	atccagtgcg	gcgcgctcct	cctctcgcag	180
ccaacgatgt	cgtaa					195

<210> 11603

<211> 273

<212> DNA

<213> A.fumigatus

<400> 11603

ctcggcgag	ctggtaaatt	ccctaccccc	gtctctcaca	gcgaggacat	ggccaacaag	60
gtcaccgaga	tcaagtctac	catcaagttc	cagctcaaga	aggttctctg	cctcgggtgtt	120
gccgttggca	acgtcggcat	gaccaaggaa	gagctcgtcg	ccaacgtcat	gctggccatc	180

aactacctcg tctccctgct gaagaagggt tggcagaacg ttggcagcct tgctctcaag 240
gctaccatgt cccccccaa gcgtctctac tag 273

<210> 11604
<211> 318
<212> DNA
<213> A.fumigatus

<400> 11604
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tgctccttcg agtccagctg caccaccacc tctcctcctg ccggcatctt cagcaccacg 180
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cgctctcggg cacagtaa 318

<210> 11605
<211> 225
<212> DNA
<213> A.fumigatus

<400> 11605
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ttccaagctc tcctcatctg cctcgcttac aacatcacta ccggcatcaa acggctccat 180
gccatcgttg agcatgtttc ccaccaagga agccgatgga tctga 225

<210> 11606
<211> 756
<212> DNA
<213> A.fumigatus

<400> 11606
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cctgtgatcc agcatcgggc aggtcttgcc cttagacagc ctcaacaagt tcgggaacgt 180
gccgcagaag aggccgacac ggatggcccc aagccgtcag aaagaatggt gcaaagtgca 240
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ttctatgccc tgcattgagat tctgggtatt gcagcgtttt cggagaatca gtttctcaat 360
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ccgactctgt ctaatctgct ttaccaccaa cggatattgg acagacatat ccaacgaatc 480
aaggacaacc tggccgcatt caaaggcaat ggatccctcg gatggcccag atcggcttta 540
gagccaggaa agcaacgaat tgtcgacgac gttgctgaaa cacttattgg tgattatcaa 600
tacctacttt ctggttcatt gactttatcc gggcagtgca gtcgcggcat gcaggttgct 660
atgaataatg ccatgatcaa ggagtccgc gatgccatga gtcaagccga aggcgtggta 720
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<210> 11607
<211> 459
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (283)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11607

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ctacatatcg acgatatatt ccaaccagag tttctttcgg gtatcatcgt tgtgacggaa	180
gacaacggca ttcagccaaa tttgtcagcg tttattgaaa gcctacccaa ggagtggaaa	240
ccagattgggt ggatcttttt caacaaggag gttggcggcc agntacaccc aggtcctcgc	300
atgggtctcct acgggaagat tcacactgtc tacaggatat acgatgatgt gaatggggca	360
tttatggttg ccatccagcc accgatcacc ccagggtacg tcaatgggac tcaaaaggag	420
ccgcaatgga ggctgcggtt acagaggata acatttttaa	459

<210> 11608

<211> 183

<212> DNA

<213> A.fumigatus

<400> 11608

ttggggggttc tagatttggt tcaagttatt caggagaatg cgccagatgc tatcaaggct	60
ggggatatca agaaccactt tggccgaaag gtcgccatcg tatgtagtct ttttctccca	120
aacctgctag ccagcccggga aacacatttg aagggtgcag tgatacttac aagccatggt	180
tga	183

<210> 11609

<211> 222

<212> DNA

<213> A.fumigatus

<400> 11609

ctcacatctt gcaggtctat gagtatctac agttttttga tcgccgtccg ctccggagggc	60
caacagctca tgagcgagtc gggcgagaca acatcacatt tgatgggaat gttttaccgg	120
acattgcgca tggtcgataa tgggattaaa cctctctatg tctttgatgg agcgccaccg	180
aaactcaagt cttcaccgcg agttacaatc aacctctatg ta	222

<210> 11610

<211> 303

<212> DNA

<213> A.fumigatus

<400> 11610

agatcttcga gccgcgacca aagacaatca gaccacttgc tcaagtccgc tatcagcgct	60
tacgtacgt ttacactcgg cgattcctac ccagccggga tggtcacgat gatcgtgatt	120
tactcatgcc acgttctcac ccacctgagc gcatatgatt gggtttattgg gaggggggtcc	180
ttgactctct ttttcaggga tatttccgca caccgcagtc gatctctgca gaataagtca	240
gcgagacaag gaagtgatcg ttccgagtgt gtcattccc ctgacagaca attagttgcc	300
tga	303

<210> 11611

<211> 669

<212> DNA

<213> A.fumigatus

<400> 11611

ccagaatcaa tagacatcaa cattctgcct gcacccgtgg agcatgcatg caacattatc	60
aatgaagaac tttgtgggtt tgtgctacgg gatccgttca ctcttgctct ggacttggtg	120
atcgccatcc agctgggtctg gggttactatg ctctgtgctg ttcaactcgt ccaaatatct	180
cggaatcaga cgacatacga gaacatgagg ggccattcga tagatcgaag ctacccaagc	240

tctcgtgcct	ttgcctcggc	catcactgcg	gggacgacat	cgctcgaggc	cgctggcctg	300
tcagcaacgg	ggcaaggtcc	gaaccccgcg	ctcgcaaggg	gccattcgca	ccggggacgg	360
agacatgggt	gcttacagca	gtgggtcatct	cttctcggca	tcgacacatt	tttcgccact	420
gcccgtgacg	ggctaaggga	tgggccccgc	gctgatcggc	ctaagaaccc	gttttcccg	480
ggtatcatca	ccaactgccg	cgacttctgg	tgcgatcctg	ctccgtactt	tgggaagcgg	540
gagccaggca	ctgcgatgct	cggcggggaa	atcgtcaact	ataaccaa	gtacgaggtt	600
ccgatgcgca	tgtacagtga	tggcaggtac	caaagcgctg	cacatgacga	tccggagcag	660
cacgtctga						669

<210> 11612

<211> 972

<212> DNA

<213> A.fumigatus

<400> 11612

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cttggttcatt	gggacgacct	accgcattgg	caacgtgata	atcaccacat	ccacacggga	180
taccgaccag	cctcgtttct	gtttctcgtg	tccttccagt	ctctcacgta	cctccacaac	240
gaaacagtta	acattttatac	tcactttctg	ccatcactac	tgtctattcc	cgctgcgtac	300
ttactgtacc	aggagcttgt	tcctcgttat	gggactgcca	caagggacga	tatcattgcc	360
tttagttgct	tctttgcagg	agctgccttt	tgcctgggga	tgtcggcaac	atatcatacc	420
atttcaaacc	actccccgct	agtcgctcgc	ataggaaata	ccttggacta	tatcgggtatc	480
ataggcctta	ttgtgggaag	cttcgtgcca	agcatctact	atgggtttcta	ctgtgttcct	540
gccctccaac	gactgtactg	gacgatgac	tgcgctattg	gcctgggctg	cattattgtc	600
tcaattctcc	ccaagttccg	gacgcctcag	tggcggcctt	tccgcgcagc	catgtttgtc	660
ggcatgggtc	tgtcggcggg	gtttcccgctg	ctccacgggt	tgc aaatgtt	cggattcgac	720
cagatgacgc	gccagattgg	gctcggatgg	cttcttcttc	aggggttcct	ctacatattg	780
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ttgggcagct	ctcaccagat	cttccacgta	ctagtgggtt	gcgctgctgt	ggctcatttg	900
actggcctac	tcaaagcatt	cgactaccga	catagtgggg	ttgcaggaag	ctgtctgtta	960
gaggttaact	ga					972

<210> 11613

<211> 672

<212> DNA

<213> A.fumigatus

<400> 11613

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caaaaccagg	aaaagatgtt	ctggaggggt	tccacaaccg	gaggttttct	tcgagctggg	120
ggctggcggc	ggcagcaccg	tcagattttt	gtcggcaaca	tcaatagcct	ggacaatgtc	180
aaagtctctt	ctaagaccac	tgacggtcaa	tggcaaacca	aggaagtcaa	tcgtgcagat	240
tatcgtgac	tgttcgacgt	caaattcacg	ttcatcgggc	aatgtgaccc	cagcgaactgt	300
gatgctcaaa	aggaattctt	tgaggctcgt	gatgcggttg	gtcagcagga	tgcattgggcg	360
tacaagtatt	tggctgatat	cgacgggaac	gcattcagtg	gccgatatta	cgcctttctg	420
cacagccaca	gtctagtttg	caagggtggc	atttttcgcg	aatggcacga	cgagtggatc	480
aaaccctggg	tacactacgt	tcctctgact	ttggcgggtg	acgagtcctg	agagacgatg	540
cgggtacttt	tcaccgaaga	tgaagggaaa	agcacggcgg	caaagattgc	gggaaaagggt	600
cgggattggg	cactgaaagc	actacgaaat	gacgacatgg	aagtgtgggt	cttcaggctc	660
ttattagagt	aa					672

<210> 11614

<211> 480

<212> DNA

<213> A.fumigatus

<400> 11614

tcagtatacct	gcactgtttgc	agcagcggtc	agtcaatatg	ccgtgtccac	ttcacgtccc	60
ccccccccc	ccccctcca	agctaattgg	agagatccta	ggttcggcta	ccctcttgca	120
ttcttggtatc	gacagaagtt	gctgcagatc	ctcgcggcgg	ggccggttca	atccggccga	180
gtgaaactgg	gtcaccaagt	cgtgaacatc	gagagtactc	cggacggagt	cactgtgcga	240
acaagccacg	gacacgtcta	ccagggcgac	ctggtcgtcg	gcgcggatgg	agtccacagt	300
cgggtccgtg	cagagatgtg	gcgattggcc	actgcctcac	agggggagat	ctttcggagt	360
gaatacaata	gtagctatcc	accccactgt	ggctttgtcg	tttgcttttt	ccccccccc	420
ctttcatttt	tccttctttg	ggccatgcac	ttgaaaacta	acgcaccatt	tggctcatag	480

<210> 11615

<211> 288

<212> DNA

<213> A.fumigatus

<400> 11615

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catcctgact	atcaaggctcg	agggatcggg	acgaggttgt	tgatggttgg	ggaggaggag	120
gtgaggcgct	taggtttacc	tgcttggttg	gaggcgctcg	aggctgggta	tagtgtctac	180
cggaggtgtg	ggttccacga	tgctgaacgg	atggagttgg	attttggcaa	gtatgggctt	240
agcgggatgg	agcaggtcta	ttgtatgttg	atggatgatg	agcactag		288

<210> 11616

<211> 498

<212> DNA

<213> A.fumigatus

<400> 11616

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caaagcaaga	tcacctcca	ccccgcgctc	caagccgacg	ccctccccct	cgccaaactc	120
cacaacgccg	cgttcgccaa	cgacgccctc	ttggaggcca	tgtaggggcc	tctcacgcag	180
aacgaccccc	ccttcgccaa	tgacctgcgc	caaatcatcg	ccgacgatcc	ccactcccgc	240
attacaaagg	ctatcgatac	cgaatcaggc	cagatagttag	cctggctcatg	gtggagtatc	300
taccccgatg	ccgaggcgca	tgcgtcagca	gcagaagtgg	ctaggggaacg	gtggaccacg	360
ccgccgccga	catcgctttg	tccgcggttg	tatcttgatt	ttcaggatat	gaaggcgagg	420
atgagggaga	agtggtattg	cgggagggct	gctgctagta	agctcgctag	tttacttcaa	480
tgtttgattt	gggtgtga					498

<210> 11617

<211> 1677

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (15)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11617

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acccgtctcc	atggcatgat	ccgagacaag	gcgaatttcg	cggagcagcg	atatcccgac	180
ggaacgctca	aagctccagc	atatgcaaca	taccttgatg	aagttttgga	tcgtcccaat	240
gaggaggctt	tgtagacca	ggaccacatc	actcgtgacc	gcaagacgtt	cacgaagcaa	300
atgttacgtg	ctttcatcaa	aaataacgtt	actagggagt	cttggaacgg	agctccgtgg	360

ctagtcaaac	cgtccgtcgc	ggaagagtag	aagataccga	ccgaggtccc	caagcatttg	420
cagtatggtg	caaggggtggc	tgagaaaaag	gcgagaaaaa	aggctgatca	ggaaggattt	480
tttgggttct	tttcatcgca	gcaattgccg	gagttgaagc	ctgcagccaa	gggacaaaaa	540
aataaactct	cgcctcagga	tttggcgcg	tcgaaggagg	ctcagtactt	ggagtatcaa	600
cgctcgctca	atgggaatcc	cacctttgtt	gtgtcccata	agctcccaa	cgctccctcc	660
cgcccgtga	agccccaaga	cgaaaagaag	tcacaacctg	ttcctacagt	catcgtaag	720
accgagcccc	ccaagccgcc	gactccacct	ccaattaagt	atcccatcga	agatctggaa	780
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gaagatgatg	atcctaata	tgaagagctg	ttgcatgaca	agatagaaat	gcaatcagtg	900
ggcctgctat	tggagacttg	gaacactctc	aacgtttact	gcgaagtatt	ccagctagac	960
tcgttcacat	ttgatgattt	ccttcaggca	atgcgctttt	cgtcggatga	agtggaatgc	1020
gaactttttg	tggaaatcca	ttgtgctgtc	ctgaagaagc	tcgtcaacgc	cgagaatgat	1080
gacgaagggg	cgtacaagt	ctcattgccg	gaccttctctg	atgttgaatc	agatgattct	1140
gaagctgatg	aggagaatga	ggaggaggag	gaaaaggagc	cgtccccgga	gcctgaacct	1200
gttgtgacga	gaatgaccac	gcgaagtagc	ttggccaaag	cggaggcgga	aaatttgaaa	1260
gcacaggcga	atcgtagtcg	tgcaaactca	gaagatatta	aaattcatcg	tgcagcgga	1320
atgtttggag	attacgggtg	gatcgaacgt	ttacgaaaac	gagatttccg	tcacggtgga	1380
tggcagatgg	tgatggtcgg	ccttctgcat	caactgtcag	cccgaccacg	gatggaaaag	1440
gtttgcaacg	acattttgaa	gcactctcgc	ccacttgatg	ccgagcctac	ccaagaaaca	1500
gtgcaatccc	agtacgccac	gttaaactgc	aatctgcgcg	tccaggtctt	tcaaatcatc	1560
tgcattctca	gcttggaaac	gaaggctatt	cgaaactacc	tggaggagtg	cagcaatcag	1620
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<210> 11618

<211> 456

<212> DNA

<213> A.fumigatus

<400> 11618

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gcgctccaac	cggagcaaga	aaagtcaccg	tccccagtgc	ctgaattaga	agctttggaa	120
gattctaaaa	tgtcaggcgt	ggacggcgac	tctgagcagg	tcatggatac	cgaggatgac	180
gatgtgccac	agcaacggtc	gctccgcgga	ggtttagaca	gaattcttga	acgaaagcga	240
aaacaggaag	aggagcgga	gagaaaggag	caactggcca	agcagccaaa	aggatcgaag	300
cagtacaaa	gggtcttgaa	gaaaatcgaa	gaccagaaag	ctactgttga	gaaactggag	360
aagaagattg	aggtggtgga	taatgatcta	agagaagccg	tttgtccgcg	gagtacgtgc	420
gttcggaagg	ttcgtgatga	gaccaaacag	ggctaa			456

<210> 11619

<211> 186

<212> DNA

<213> A.fumigatus

<400> 11619

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cgtccccaag	acgtgggaaa	gcatacaagac	accgagaatg	tccgggaacc	atcaacggat	120
actcagaacg	atgttgaaatc	tggcgatgag	ccgagcgtcg	ctgagattga	gcgcatctat	180
cggtga						186

<210> 11620

<211> 588

<212> DNA

<213> A.fumigatus

<400> 11620

ggtttgcaat	ttctgatcac	gttcagtctc	ctccgtcttc	tgctcggcat	cttcattgcc	60
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ggcatgtggc cggaatgac ttattatctc accctcttct accctccttc ccgcacgggt 120
aaacgcacgc gccaaactt cactgccgct cagatctctg ccgctgttgt gggcctggtc 180
tcggctggct tccagaagat ggacggcgag cgcggcctcg ttggcttcca atggatgttc 240
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cggcctctgg ctcccgggtg cgaacctccc cagcgcaagt atttcaagtg gctgcagcgc 360
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taccaccgtc cgcagtggtc cgtccgtgac ctctcccgcg tggtcctgga ctggcgcgctg 480
tggccgctgc tggatcatgta ctttggcggt gtcggcggtg gcattggcgt ccagaactac 540
gccaccgtca tcatcagggg gtatcaacct atccctgaat gggattga 588

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<210> 11621

<211> 504

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (414)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11621

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accccccttct cggaccgctt ccacaaaacac cgcgcctctt tcttctcctt ccccgctctgc 180
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tcctggacag ccgaggtctt ccagccccgc caccggtgaag tcggcgctcg cgcgcctcg 360
gccgtcgtct ctggctgggg aaacctcggc agcatcctca ccacttacgc cctntacacc 420
ggctggccca gcgacagcgc agcccccggc cgcgccacgg ccgcaagggt ttctatcagc 480
acgaagcccc aatcaaatac aagg 504

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<210> 11622

<211> 336

<212> DNA

<213> A.fumigatus

<400> 11622

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gtaagaagct cacaatcatc cagaaaacta gactatcgaa tcatccctgc cttctgggtc 60
ctgtactttc tctgctctgc catccgatcc aatgtcggtc tggcgagac gatgaacatg 120
gacgtaggcc acgacctagg gtctgtgctg cacttgactc ctcatcagat ctcgaccggt 180
ctcgcttgt tctacgtctg ctatgtggtc tttgacttgc cgtcgaatct ggtgatgacc 240
aggctcagcc cgcattgtct gatgagccgg atcgtgatca gcgtggggat cattggcagt 300
tgcattggcg ccattgaaagc agcgtggagc ttatag 336

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<210> 11623

<211> 714

<212> DNA

<213> A.fumigatus

<400> 11623

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tggacggcga gcgcggcctc gttggcttcc aatggatgtt cctcgtctac ggcatcatca 180
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tcgaacctcc ccagcgcaag tatttcaagt ggctgcagcg cagcccgccc gccctcacag 300
gccggggacg agagatccac taccacgacc tgcggcgcgct ctaccaccgt ccgcagtggg 360

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cgcgtccgtga	cctcctccgc	gtgttctctg	actggcgccct	gtggccgctg	ctgggtcatgt	420
acttttggcgt	ggtcggcggtg	ggcattggcg	tccagaacta	cgccaccgtc	atcatcaggg	480
ggtatcaacc	catccctgaa	tgggattgac	ctcagttctt	tcacagcccc	aatctggctt	540
gtaagtattc	ccccctcctt	ggctgtttgt	ccgccttggg	ctgcaaaaact	gacaaaaagc	600
agatggacct	cctcggcatc	ctcgtgggtc	cccccttctc	ggaccgcttc	cacaaacacc	660
gcgcctctct	cttctccttc	cccgctctgc	tccagatcgt	cggcctcctc	ctaa	714

<210> 11624

<211> 1818

<212> DNA

<213> A.fumigatus

<400> 11624

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tcaatatatt	tcccattagg	gggcgcaaat	tttggttatg	gcgagtttcc	atatggcgct	180
ttactattgt	cccgaagcgg	cgtaacacat	atgaaaaccc	tcgggctttt	caggtctcta	240
cttcaacccat	caaacagcca	tttcttccgt	ctttatcatt	ggaacatgtc	cgagaagaag	300
agaaatggag	caccgcggac	tttccctaag	agggaaaaga	ggcctcctct	gacacacttt	360
ctgtgccttc	cgctagtga	cgacatatca	ctccctcagc	tggaaatctt	tctatcaact	420
ttcaaagctg	ccattccggt	ggtttcgc	tcagatgagg	agggctccgt	acaacagcaa	480
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ggagaggggtg	aggaaactca	cccataaagg	cgactagagc	aggaagatga	ccctgcttcc	780
gtgatcgtgc	cacgagacaa	ttacgaacca	ttgacaattt	ctctcgagtc	cttacatgcg	840
cttccgagggg	ggcgcgcggc	taccgtcctt	catgctgctc	ctgtggattc	tacgtctcgc	900
ctctatccct	tttgcgtgct	gttgcggaac	aagttcctag	aagcagggtt	cttgcagtg	960
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<210> 11625

<211> 600

<212> DNA

<213> A.fumigatus

<400> 11625

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<210> 11626

<211> 2121

<212> DNA

<213> A.fumigatus

<400> 11626

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<210> 11627

<211> 1638

<212> DNA

<213> A.fumigatus

<400> 11627

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<210> 11628

<211> 2472

<212> DNA

<213> A. fumigatus

<220>

<221> unsure

<222> (70), (156), (2318)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11628

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<210> 11629

<211> 198

<212> DNA

<213> A.fumigatus

<400> 11629

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<210> 11630

<211> 432

<212> DNA

<213> A.fumigatus

<400> 11630

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gccccggcag	gacgtggcgt	tagcttgaga	ctctccgcgt	ccactgaaag	cagctcttcc	180
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<210> 11631

<211> 348

<212> DNA

<213> A.fumigatus

<400> 11631

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tcgtgccaac	ggcggcctcg	gaatgctcgg	cgctacggag	gatcagaaac	gggtcgctgt	300
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<210> 11632

<211> 201

<212> DNA

<213> A.fumigatus

<400> 11632

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tcgggcgtca	atgccagaat	ggaggagtcc	agctcctatg	cctccgggtca	agccggaaga	180
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<210> 11633

<211> 1191

<212> DNA

<213> A.fumigatus

<400> 11633

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<210> 11634

<211> 519

<212> DNA

<213> A.fumigatus

<400> 11634

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gccagaacct	acacaactac	ccttcgatgg	aggagcggat	cgcccgccaa	ctcgccatcg	240
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<210> 11635

<211> 1038

<212> DNA

<213> A.fumigatus

<400> 11635

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aacggtgccg	tccaactgga	cattccagaa	gccgttcacg	aagagcagga	tgataaaccg	660
ccgtcaacga	gcgtcgccac	cagcaccaca	tcgctcaacc	gacccgagga	cggggcccga	720
ctaggcagta	gttacctgca	caagggacct	gcccgcagcg	gtagcattac	cgaacaagtc	780
gtcgacgtca	acggaatccg	caaagtcctc	ctccacacca	ccagcagcaa	cacttcttcc	840
gatgacgaaa	gatcgctcaa	taaccaagcc	aagtcccccg	ttcgtcagga	cggccagctc	900
atcaaccttg	atgacgacca	atccgcccc	gctgcacaac	cgaatgggca	caaaaagaag	960
aaacgccgcc	gcaagcacia	gtctcgcacg	aagaactcag	acggccccgc	tgacgaagaa	1020
gcacccctgt	tgtcttaa					1038

<210> 11636

<211> 1677

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1645)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11636

ggctgcattg	cgccggcaat	cccagccgca	atgtcgcccc	tcgcgcctca	gctacctacg	60
cgattccccg	gctggtgtcg	tgcgatttac	tcatggggag	gtgaaacaaa	acgcgatctc	120
ggttttgtgg	aggggtgatct	tattgagtgt	ttgaatgctg	gggatgggca	atggtggatg	180
ggtcgtctgc	gccgtgacag	gcgcattggt	gggcttttcc	catccaattt	cgtggagggt	240
ctgggtgaag	atttcgtgcc	tgctactaga	gcaacaagtc	ccatgatgcc	tgccggacgc	300
tctccaatca	cgaatccac	ttctgctcca	aagaagcaga	agactgtatt	tagaaagccc	360
tttcaggccc	acaaggaagc	tttggccccc	gcggagctgg	cccggaacgc	gacgacgacg	420
acacaagctt	ccagttcaat	tccgcaaacg	ccacctcgaa	acggcagcag	tgtgcggagt	480
gtcaaacctc	tgcgcacacc	aactactggc	gtgaaaaaac	agagctctct	ttccagacct	540
ccctcgcaac	atagaccttc	ttctgggtga	ggctctcccc	atgcgcgcgc	ggttgccggat	600
cctccaccac	aaagtcacc	tccagccaga	gagagcatct	cgcgctccag	gcctccctcc	660
cgcgcgcgtg	ccccctcgtct	cccatatgat	atggatcttc	tgccgcgcgc	tgtgcctgtc	720
aggcacaccc	cgctagctcg	acctccgtca	gtccaccctc	catcgcacga	gatctccccg	780

ttgcagcttc	aagagcgcgga	agagtcgcgcg	ccaccgcctc	ctccccctcc	gcatcgaatt	840
gcagtgaacc	ggcgaccttc	catggacatg	gatgtcccca	tgcacctgga	catgaatgac	900
cgctacgcga	ccatgtcaag	gacaccgtct	ccagcagctc	attcggacgc	caatggaaac	960
actccgtccc	ctcttcgcga	cgcaatggaa	gatgtcatga	catccttgga	agatatggga	1020
ctgtcgcggg	gagcacattc	accttcgcc	gccccagttt	ttgataatcc	ttgggtctcca	1080
gaagcctttg	atagccttcg	cgacagcaga	cctgcccggc	atggtcaccg	accgttgaca	1140
tctctcggtt	ttgaagggtga	gcaagatcat	caattccccg	acagtcagat	acatcgaaat	1200
accatgtacg	gccatgacca	ttaccttgac	gggcccgcgc	aattgaacaa	ctacgtgcag	1260
agaatggaaa	gccgggttcg	ccagatgcag	gagcaaagtc	gcagaggatc	ggaagacata	1320
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gggaggcata	cctcagtcct	tgcgcagtat	ccatacctga	ggagtcaaag	atcagggcag	1440
gacttgagag	gagacgctct	caatagaagt	cacacgaaat	ccagtaccac	gacttcttca	1500
agcggagtgc	aaagtatcag	tacggctatg	acagctagca	cagaacaaac	gagccagagc	1560
ttgatgagtg	ggcgcgtcgg	gggcgcattc	agcgcaacaa	gtgcaggaag	ctatgccagg	1620
cgaggactga	cgaccggcaa	tgatntacac	tacgaagtgg	ccggaccgcg	cagagct	1677

<210> 11637

<211> 375

<212> DNA

<213> A.fumigatus

<400> 11637

acagaacagt	ttcgcgtcct	ggcgcaaaaa	ggcacagagc	ccccttacac	gggcgaatat	60
gactccatt	tctcgtccaa	gggtgtctac	acctgcgcgc	gtgcaacgc	cccgtctctac	120
aaggccacgc	ataaatTTaa	gtccgggtgc	ggctggcctg	catactttga	ctccatcccc	180
ggtgcggtga	ccagacatac	ggatcgctcg	tttgggatgg	agaggacgga	gattgtgtgt	240
agtaactgcg	ggggtcattt	gggccatgtc	tttaaggggtg	aggggtatcc	tacgccgaca	300
gatgaaaggc	attgcgtgaa	cagtattagt	ttgaagtTTa	ccgaggatga	agaggcagcg	360
aagtcgaag	catga					375

<210> 11638

<211> 204

<212> DNA

<213> A.fumigatus

<400> 11638

cgatatattc	tgctagatcc	gcgatgggcc	tcatggaatt	tgggaatctt	catatgtatc	60
cgttgtctcg	gcatccacag	ggggatgggc	acctatatca	gccgagtga	gtctgtcgat	120
ctcgattcgt	ggaccgatga	acaactccag	agtgttatca	aatggggtaa	tgccagagcg	180
aacaagtatg	tgtcgagccg	ttaa				204

<210> 11639

<211> 1092

<212> DNA

<213> A.fumigatus

<400> 11639

catccctttc	agcctcttgc	agtcgtccag	gaaaaggcaa	agatcgagcg	ttcctcgtct	60
cagcgagtag	cgaatacaag	ccaacctccg	atcacgcac	gcccccaagc	atctattgac	120
ttcttcgggtg	ataacgagcc	aattactccc	ccggttcgcc	ctagcaccac	agatcccacg	180
ccgcggatcg	ctgcgcccag	gcaacagtcg	caatcacagc	ctgccacaaa	gccggctcga	240
ccgggtgatt	cgttgctggg	actcgatttc	ttcgggagcg	ctcagccggc	gtccaccagc	300
cgtccagcca	gtaccgcttc	taccctggt	ggctcggccg	ggatgtctcg	acctgatttg	360
aaacaatcca	tctgtctct	ttattccaag	ccccagcccc	ccgtacaaca	tgagcgcgag	420
tcttcgtttg	gagatttagc	atctccggcc	ccgcaatcgt	cgtcttccaa	cttggggcgga	480
ttgaccgacg	cgttcagcgg	actgagcttc	ccctcgacca	cttccccgcc	ttccaagcca	540

```

gcgcgaaaagc cctcgcccttt tgccaacttg acgacctttg ccagcgcaaa atccagtcgg 600
gtggtcccca agatcacgtc acccacggcc tcagccagca gtggcctcgg tggcggtctc 660
tttgacagtc ttacctctcc gactatccca cctgcgaagc ctcagcccca gtcggtacc 720
gattccatcc caccagtag ccatgatttg ggctttacca gctttgccac tgctccctcg 780
cccaagccga atcctccacg gtcattcttt tccaatgac tcttcggact ctcttcgacc 840
ccggctcctg cagctcctgc agctgcaccg cctacgatgg cgtcgccctc gcaggagctc 900
aaatccgctt tcaacctgag cagtccggct cctgccccag ctcccgcccc agctccgaaa 960
ccggttaact caacatcaac agtctctggt tgcaacctga tccccaactt ggaaccttgg 1020
ggcggttaaca attggattat cccgaaccgg ttgcccttgc ctcattccacc tcaagcatta 1080
ataaaggctc cc 1092

```

<210> 11640

<211> 351

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (71), (287)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11640

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ctaccctgct cccacagaag aagaaaaggc ctccctgcgc aaagtcccg cgtctctccc 60
tctggtgtcg ntctcgcttt gtattgtcga attcgaggag cgcgcattct attatggcgc 120
aaagaatata ttttcgaact tcatccaatt tcctctgcc aagggtatac tcctgtgct 180
catctaaaga acaaaagctc accgaagaca ggtggaaatg gagccggcgc tcctccgagg 240
ggcacacagg agacggccgg tgctttgggg atgggcctgc aggccanctc agggctagtc 300
cttctgtttg ctttcttggc ttatgtcctg cctattcttg gtggatggta a 351

```

<210> 11641

<211> 432

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (316)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11641

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cgcgaccagc tgagggtcaa taaaagggga ccatccatct cgtcgtctga ggagctgtca 60
accagtctca tcgtacatca agatgtgtat gttcgtccgg ccccttgcc agctctactg 120
acaataccag ctccaccagg tgattccatt accggcaaca cgataacctc cgattcgatc 180
aacgccaaag gcgacctga aaaacacgac tacgaaatca cagctacatc gacggaagtt 240
gatgactacc ctgctccac agaagaagaa aaggcctccc tgcgcaaagt ccccgcgctc 300
ctccctctgg tgctcgtctc gctttgtatt gtcgaattcg cggagcgcgc atcctattat 360
ggcgcaaaga atatcttttc gaacttcac caatttctc tgccaaaggg tatactccct 420
gtgctcatct aa 432

```

<210> 11642

<211> 375

<212> DNA

<213> A.fumigatus

<400> 11642

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cccttccaaa tgctaagcca ctctaacaat cagaatcgca cagtggctac tgaagttttc 60

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ttctactttc	tcattctggct	cctgaacgaa	cgcgcatcg	gctccgtctc	cactaatcaa	120
ggtgcctcga	tgaccaccaa	tggcgcccc	aatgatctcc	tgaacaattt	caacgccttg	180
acaatcatcg	ttacgattcc	attcctcagc	cacgtcgtct	acccactct	cgcgccgtac	240
aagaattctt	tggccccgca	agccggatta	cctttggatt	catcctcgca	accatctccg	300
gcgtcatcgc	agggatcgtc	cagtggcgcg	tgttcaatac	ctcacctgcg	gctatcaggc	360
ttcaactgct	acgac					375

<210> 11643

<211> 687

<212> DNA

<213> A.fumigatus

<400> 11643

cagtgtagg	gggccgacgt	ctatgtgggc	cggtacaagg	caatttgct	tgggtgtagca	60
atatgcggtg	tgcacatat	tatccagatc	atcggcgcca	taccctccgt	cctccagaaa	120
gggccagcgc	atgctgcacc	tccgtttata	atcggccttc	tccttctggc	gcttggggct	180
gggatcttca	agcccaacat	cgcacccacg	atcctcgacc	agaatcgcca	gaagaagcag	240
tactactaagg	ttctgaagac	aggagagaaa	gtcattgtcg	atccggagtt	gaccaccacg	300
cggacgatgc	tgggttttcta	cgcgttcgtg	aatattgggtg	ctttctacat	gcttccgact	360
cgctatgcag	agaaatatgt	tgggttctgg	ttgtcgtggg	tgctggctgg	agcgatatac	420
ttcctcctcc	cggttgtgtt	ggcgttggtc	tataagaaga	cgtacaagca	gcccccgagc	480
ggcagttctg	atctcaccaa	ggccgtgaaa	attatctcga	ccgctctccg	acgcaacaaa	540
taccgcgttt	ggaagaagaa	tttctttgat	gccgcgaagc	ctagggcgct	tgccgcggag	600
ggcattgagg	tagattggga	cgagaagctc	gtggacgatg	ttcgacggac	cttaggcaag	660
tcaatttcta	acccttccaa	atgctaa				687

<210> 11644

<211> 348

<212> DNA

<213> A.fumigatus

<400> 11644

agagactcca	gaaaatacat	ctttgectct	ccatttcttt	tctactgtgt	cggccggatc	60
gtcatatttc	tccttaccct	tactttggaa	ccattggaca	aattgttata	tctcatttct	120
gtccaatcta	tatacttcaa	gttatactgt	gcaaacaatg	tcttcgacag	acacctccga	180
cccacgcact	atgtcgacaa	cctcgaccgc	cgccaacacg	gcttcgtcat	cttcggcggc	240
ttcaaccctt	tctcctcca	actccagtgt	caccacggct	ccttcaacat	caacatcgcg	300
cgggccgccc	cggaaaagca	ctttgaccca	acagcagaag	aacaataa		348

<210> 11645

<211> 564

<212> DNA

<213> A.fumigatus

<400> 11645

atcctctcgc	gcttgacgct	gcttgaagag	actccagaaa	atacatcttt	gcctctccat	60
ttcttttcta	ctgtgtcggc	cggatcgtea	tattttctct	tacccttcac	ttggaacctat	120
tggacaaatt	gttatatctc	atttctgtcc	aatctatata	cttcaagtta	tactgtgcaa	180
acaatgtctt	cgacagacac	ctccgaccca	tgcactatgt	cgacaacctc	gaccgcgcgc	240
aacacggctt	cgtcatcttc	ggcggcttca	accccttctc	cctccaactc	cagtgtcacc	300
acggctcctt	caacatcaac	atcgcgcggg	cgcgcccgga	aaagcacttt	gacccaacag	360
cagaagaaca	ataagcgaca	acgggcaacc	caggatcagc	tggttactct	ggaacttgag	420
tttaacaaga	accctactcc	cacggcagcc	acgcgcgagc	gcacgcgtca	ggagatcaat	480
atgactgagc	gttcggttca	gatttggttc	cagaacaggt	tgggtggaaga	tggatttcgc	540
cgttttctaa	attgtatgta	ctaa				564

<210> 11646

<211> 213

<212> DNA

<213> A.fumigatus

<400> 11646

actctgtcct	ctctccactg	gggctctgag	tctctctcac	aactcactcc	actcgtttgt	60
ttccctcgtt	tctcactcgt	cttcttctct	tctgtcttct	ctttcctcct	aacccccca	120
gtcagctgtc	agccttccct	tttcttttcc	tccccctct	ctcttttctt	tacccttcac	180
tcttttgttt	cttccattct	ttaactctgt	tga			213

<210> 11647

<211> 1104

<212> DNA

<213> A.fumigatus

<400> 11647

tgtagccaag	tcatccatca	cttcacctgc	cgttccctga	ccattggaag	ctggcggcgc	60
atcgggcaaa	acgcaatgga	cctgggtgtc	ttctactccc	ctgaaaaagc	ctgcatgaca	120
tattacatca	ataacgattc	tgccgggatac	aaaatcgagt	accccttttc	ctacatcaag	180
aacatcacgc	tcgaatcggg	tgatgccaac	gcccagccca	acgggggttc	caccaggccg	240
gctggcctcc	tctgtggaact	caatcgtcct	cgttgtttct	acatggattc	gtctaactca	300
ggtggattct	atcagtgcgg	tgattttaca	gaggatcagc	aagcgagcca	gattcctggtg	360
catcatctag	gaggccatcc	gaaggttctc	agtgtccagt	tagccaagtt	ggtgtcgtcg	420
gagtctttcc	agaaccgtct	ggcgtacagc	aaccttaaga	tggcaccgcc	aatgtcgcct	480
catttcatcc	agcgccctgc	ctcgcagcca	aaccaattcg	cgccggcatt	catgaacatg	540
tatcaggatc	agtcgaccct	aaacattcca	gtcgtctcgc	gacacaaacg	acaaaggagt	600
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ggcccttcat	tcagcctgcc	ttttgtagcg	ccttcggtgg	attcgtccag	catggggcat	960
gcagctcctt	cctactcgaa	tgtcagccat	gccgatccta	tgatcgctga	acattcgcct	1020
cccctgtcga	acatggcgca	taccccacag	gatatgcaca	ccctaagaac	cgatcttaac	1080
agcggcgctga	aggaagcact	cccc				1104

<210> 11648

<211> 654

<212> DNA

<213> A.fumigatus

<400> 11648

tgccttcaag	taacagcaac	ctttgtggac	gaaacggaag	aggtcgccga	cctataccag	60
gtcacagatg	cgagcatcga	ggtctcgagc	gtcgcattag	accagcgtcc	gtcgccacgg	120
cctggactgt	caagccacgg	tacccccatc	acggatgccca	ctgacgcctt	tttccctctgg	180
cgatacatcg	acttcatcgg	gccgcgcttc	gacatggtcg	acgatgcacc	gcggtatttc	240
tgcaccgtcg	tgccgcagct	cgctctcaag	gacctgcttg	tcctgctcgc	ctgtgtcgcc	300
gtggcgagccc	gccagtactc	cctcgtcaat	gaccagcagc	agcacagtca	tgagcaggct	360
ttgacatact	acaacgctgc	cattcacctg	ctgtccaaac	ggctgcacga	tagcggggcca	420
gacccagcgg	tattttgcag	ctgtctgctg	atagctcatt	gtgagatggt	cgagagcaag	480
gcctcagcct	gggacttgca	tctcaagggg	accggcgatc	ttctcaagat	gtatgggtgg	540
catgggatga	gcggcggttt	ggctcaggct	gtatgtccca	tctctgtatg	ctgtgatcat	600
gtggctaatac	tgcaaccgtc	tatacatagt	cattctggat	ttactgcagg	atga	654

<210> 11649

<211> 444
 <212> DNA
 <213> A.fumigatus

<400> 11649
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 gcatgcgatc agtgtcgtag aagccacgtc aagtgtgata aatcacggcc ttgcgctcta 120
 tgcaagcgac gagggatcga gtgttccctt tgtcaagagg tcacttttac cgcgctcgag 180
 tttaaagcac ccgcccgtgg cctttcaagg agctttgtct caaatacagt agatagtcca 240
 ggtgagcaga gccacgaga cggcagcaga aacactctaa tgccttcaag taacagcaac 300
 ctttgtggac gaaacggaag aggtcgccga cctataccag gtcacagatg cgagcatcga 360
 ggtctcgagc gtcgcattag accagcgccg gtcgccacgg cctggactgt caagccacgg 420
 taccatcatc acggatgcca ctga 444

<210> 11650
 <211> 363
 <212> DNA
 <213> A.fumigatus

<400> 11650
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 ctactgactc accttagaca ctgtataggc gggggagaat cagaaagtgg aagtagccaa 120
 aaatcctgtg gtctccgaac ccgcgactac gatgtgcccc tgcgcacgag gaccctgttc 180
 gtcgtgctcg tcaccagctc catcggcgtg ttcttgccca tgctcttggg caaattgcct 240
 tcggccaaga tcaacggcgt tgtctcgacg gtgatcaagc agttcggaac gggagtcac 300
 ctctccactg cgtttgttca tgtatgtctc ttctccattc agcatgacgg acggagcaac 360
 taa 363

<210> 11651
 <211> 813
 <212> DNA
 <213> A.fumigatus

<400> 11651
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 gactacatcg gccaccgcat cattctcgcc cgcgcaacgc ggtgctcgtc gccctgtccc 180
 gagcagaccg gcgacatgtc cccctcatcc acaagcaaag aactaccggc cagccaaccg 240
 ccgcccgcgc cgccgcagca gcaacaacca ccgacctcgc ccgcgctggg ccaccaccac 300
 ggccctcccc tggacccac caatcccaac accaaactct cgggtgctcgt catggaagcc 360
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 ggcaatgatc agagcacgct tgtggcgctg ggaacgctgg acgcgctgtc ggcggggatc 660
 ctggtgtggg ttgggctggt cgacatgtgg gcccgggact ggggtgatgga tggcgcgag 720
 atgatgaatg cgcgactgag cattgtggcg gttggagggt tctcgtctgat cgcgggaatg 780
 gtcttgatgg ggggtgttggg gaagtgggag taa 813

<210> 11652
 <211> 474
 <212> DNA
 <213> A.fumigatus

<400> 11652
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ccattcagca	tgacggacgg	agcaactaac	ccgaacagct	ctacacgcac	gccaacctca	120
tggttcaccaa	cgagtgtctc	ggcgaactcg	aatacgaagc	caccacctcc	gccgtcgtca	180
tggccgggat	cttcctctcc	tttctcttcg	agtacatcgg	ccaccgcatc	attctcgtcc	240
gcgcaacgcg	gtgcgcgtcg	ccctgtcccc	agcagaccgg	cgacatgtcc	ccctcatcca	300
caagcaaaga	actaccggcc	agccaaccgc	cgccgcccgc	gccgcagcag	caacaaccac	360
cgaccctcgc	cgcgctgggc	caccaccacg	gccctccctc	ggaccccacc	aatcccaaca	420
ccaaaactctc	gggtgctcgtc	atggaagccg	gggtggtctt	ccacagcatc	ctga	474

<210> 11653

<211> 510

<212> DNA

<213> A.fumigatus

<400> 11653

tacatagcac	atccatcctc	cattgtaaac	agaatgacca	ccaccatacg	ctacgccacc	60
gaagccgacg	cgcccgcgaat	cgcagagctc	aacatcatct	gtttccaaga	tggccccatg	120
taccgcaaca	tgtcccccaa	catcgaccct	ctctccgccca	cgcccatgaa	actctccgcg	180
acctacgaca	aactggcaaa	ccccgggatg	cacgtctctg	tcgcgaccga	ccccacctcg	240
aatcaaatcc	tgggatgcgc	acggtggctg	atgcccgaac	cgagtgcgca	ctggcgagac	300
gagagtgaga	tggcgatcct	ctccgacgac	gcaagggcca	aggcagcgca	gatgacgcag	360
ctgcggccgg	cagggatgaa	tgtcgctgtc	tacgaggggac	tgttcaaagc	gctggaggag	420
atgaggggga	agtacgttag	ggagggggat	atcggtgagt	gcacttttcc	accttttttt	480
ttatctcagt	atctggaaga	cgccgggtag				510

<210> 11654

<211> 624

<212> DNA

<213> A.fumigatus

<400> 11654

cggacggagc	aactaaccgg	aacagctcta	cacgcacgcc	aacctcatgt	tcaccaacga	60
gtgtctcggc	gaactcgaat	acgaagccac	cacctccgcc	gtcgtcatgg	cggggatctt	120
cctctccttt	ctcttcgagt	acatcggcca	ccgcatactt	ctcgcccgcg	caacgcggtg	180
cgcgtcgcgc	tgtcccagac	agaccggcga	catgtccccc	tcattccaaa	gcaaagaact	240
accggccagc	caaccgccgc	cgccgcgcgc	gcagcagcaa	caaccaccga	ccctcgccgc	300
gctggggcac	caccacggcc	ctccctcgga	ccccaccaat	cccaacacca	aactctcggt	360
gctcgtcatg	gaagccgggg	tgggtcttcca	gcgatacctg	atcggactga	ccctgggtcgt	420
ggccggcgac	tcattctaca	agacgctgct	ggtggtgatt	gtcttccacc	agttcttcga	480
gggtctggcg	ctcggggcgc	ggatcgcgat	gctgcggggc	ccgctgctgg	ggtcgaaggc	540
gctgatggcg	gggacctttg	ccgtgatcac	gccgatcggg	atggcgatcg	ggctgggggt	600
gctgcactcg	ttcaacggca	atga				624

<210> 11655

<211> 420

<212> DNA

<213> A.fumigatus

<400> 11655

atagcttcag	agcaaacaag	gttacgcccc	cttccccaac	acccccatca	agaccattcc	60
cgcgatcagc	gagaacctc	caaccgccac	aatgctcagt	cgcgcattca	tcattctcgc	120
gccatccatc	accagctccc	gggccacat	gtcgaccagc	ccaacccaca	ccaggatccc	180
cgccgacagc	gcgtccagcg	ttcccagcgc	cacaagcgtg	ctctgatcat	tgcggttgaa	240
cgagtgcagc	accccagcc	cgatcgccat	cccgatcggc	gtgatcacgg	caaaggctcc	300
cgccatcagc	gccttcgacc	ccagcagcgg	gcccggcagc	atcgcgatcc	gcgccccgag	360
cgccagaccc	tcgaagaact	gggtggaagac	aatcaccacc	agcagcgtct	tgtagaatga	420

<210> 11656
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 11656
 tcattgccgt tgaacgagtg cagcaccccc agcccgatcg ccatcccgat cggcgtgac 60
 acggcaaagg tccccgccat cagcgccttc gacccagca gcgggcccgg cagcatcgcg 120
 atccgcgccc cgagcgccag accctcgaag aactggtgga agacaatcac caccagcagc 180
 gtctttag 189

<210> 11657
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 11657
 gtgctgtttt tttccactga agtacgcagc agctatgatt gttggactca attaacccaa 60
 gtgcctgtg cgcagtttca tagtccagtt cctactaaga tgggtagcaa gccatcatct 120
 tttccacgtg gctattcggg cattctgaaa caaactgtta tattgaacaa cgtcatgac 180
 attgaggtga atcgccattt gcactattcc aagaactcgg acctctag 228

<210> 11658
 <211> 531
 <212> DNA
 <213> A.fumigatus

<400> 11658
 cgaacgacca gtgacctctt gcgcccgcac atccggattt atcacccgaa tagagcgcct 60
 ccggcgctgc gggcacagaa ggcttgccgt gcgtgtcacg cccggaaaga acgctgttat 120
 ggtggatttc cctgcagtgc atgtcagaaa cgggggtatcg cctgttctcc tgggaagggg 180
 aaaactccag aagagcagat tgctcgacaac aacgttcaga tctcgcaaca accccatccg 240
 cctcgggtgga tcgctcttga ctacgtcgat atttattttg ataattttcca tccaaaatgg 300
 ccatttctgc accgagggac atttgacgtg accaaagaac cttgtgtact gattcaatct 360
 gtgggtcatga taggactgtg gatagagggg agcaagaagt cgcgggaggg agctaccgat 420
 cttcaccgta gcctgtctac tgcgattcgt actcagatgg tgagagcata caagaatcca 480
 ggggaattgc cttactaac aacatttttt tttcttttcc atccatctta g 531

<210> 11659
 <211> 576
 <212> DNA
 <213> A.fumigatus

<400> 11659
 aagaccgatc tcagtctcct atcagacacc atgccaccgc agccgctttc tggctcgagt 60
 cttccaccgt ttcaatgtga ccaccctggg tgtggggcga agtatcgacg caaggagcat 120
 ttgaatcggc atgcggcgag tcattcccga ggagattgct tttcttgccc gtattgtgag 180
 agcaccttga ccaggagggg cgctaaacct tgcactcctgt tagcactcat agatcggcat 240
 actaacgaac gaccagtgc ctcttgccgc ggcatatccg gatttatcac ccgaatagag 300
 cgctccggc gtcgcgggca cagaaggctt gcgctgcgtg tcacgcccgg aaagaacgct 360
 gttatgggtg atttcctgc agtgcatgtc agaaacgggg tatcgctgt tctcctggga 420
 agggaaaaac tccagaagag cagattgtcg acaacaacgt tcagatctcg caacaacccc 480
 atccgcctcg gtggatcgct cttgactacg tcgatattta ttttgataat ttccatccaa 540
 aatggccatt tctgcaccga gggacatttg acgtga 576

<210> 11660

<211> 252
 <212> DNA
 <213> A.fumigatus

<400> 11660
 gcagtgatgc acccttggtg gatgcctagg tcaatagaca taatgcccct ggggggatct 60
 cgtccggatg agtataacctt actatctggt agagtgggtct tctccaggcg accgacttcg 120
 gccggctatt ataataatac tatatatcag cttttgcca ttactatacg tgctcagtat 180
 aaaaccactt cgtcttactc ctttctttcc cctatggcct ttggtgcctc caccgaatg 240
 cctctatttt aa 252

<210> 11661
 <211> 924
 <212> DNA
 <213> A.fumigatus

<400> 11661
 atttgccacc aaaacgttac caacgcgcag gcatatatcg aattggccgc tggatgatcg 60
 attcaactcc actggactgc gtggccagaa tgtcatcacg gaccggtat tgatatgctc 120
 gcatcttgcg gcgagtcgtg tacgaccgtg gacaaaacct cactgaaatt cttcaaaatc 180
 gacggagtcg gcttgggtga taactcggcg gtgccgggca cttggggcga tgaccagctg 240
 attgccaaca gcaatagctg gatggtcgag attcctaaat gtattgcgcc tggcaactat 300
 gtccttcgcc acgagctgat cgccctgcat agcgcgtttg agacaggcgg ggcgcagaac 360
 tacccccagt gcttcaacct caagggtact ggatccggtg ctgactcacc agctggtacc 420
 ttggggcacgg agctgtacac cgagtcgcac cccggtctcc tgggtggacat ctacaagtca 480
 atcgccctcg acgcgcgtcc cggctcctgc atgtacaccg gcgccgtctc catcaccag 540
 tctacctcgg ccatcacgcg gaccagcacc gcaaccgtcg gctcaggcgc cgacagcacc 600
 cccgtgccct cgtctgctgc gtccctccag tactcgaccg tcgccgtgca ggttcccacc 660
 accaaggccc agtacacccc tgtcccctcc agctcgcctt cgacctttgt cacgtcgctc 720
 gcgcctacca cttctgtccc cagcggcagc tccgtccctg tcacgtctaa caccgaggct 780
 cccctgccta ctgctgctcc tggcggtact cagactgtct atgggtcagt cgggtggacag 840
 aactggactg gacccactgt ttgtgcttct ggcgcgacct gcaagacctg gaacccttat 900
 tactcccagt gtgtgcctaa ctag 924

<210> 11662
 <211> 609
 <212> DNA
 <213> A.fumigatus

<400> 11662
 tcgccttgca tagcgcgttt gagacaggcg gggcgcagaa ctacccccag tgcttcaacc 60
 tcaaggttac tggatccggt actgactcac cagctgggtac cttgggcacg gagctgtaca 120
 ccgagtcgga ccccggtctc ctgggtggaca tctacaagtc aatcgccctg tacgccgtcc 180
 ccggtcctgc catgtacacc ggccgcgtct ccatcaccca gtctacctcg gccatcaccg 240
 cgaccagcac cgcaaccgtc ggctcaggcg ccgacagcac ccccggtgcc tcgtctgctg 300
 cgtcctccga gtactcgacc gtgcgcgtgc aggttccccc caccaaggcc cagtacacc 360
 ctgtcccctc cagctcgcct tcgacctttg tcacgtcgcc tgcgcctacc acttctgtcc 420
 ccagcggcag ctccgtccct gtcacgtcta acaccggggc tccctgcct actgctgctc 480
 ctggcggtac tcagactgtc tatggtcagt gcggtggaca gaactggact ggaccactg 540
 tttgtgcttc tggcgcgacc tgcaagacct ggaacctta ttactcccag tgtgtgccta 600
 actagatga 609

<210> 11663
 <211> 306
 <212> DNA
 <213> A.fumigatus

<400> 11663
 ctggcatatc gtgccgtgcc tctgtgtcat gtacttgctc gcctttctcg accggtatgc 60
 aatcctcaaa acaaaaacccc tagccccgtg catgaactga gctctgtaat gcgccgtcac 120
 agagtcaaca tcagcaatgc cgcgattctc gggctgcaga aggatctaaa tatcgaaaat 180
 actaagtaca aactgcggtt gaccatcttc ttctgaccct acgtcctctt tgagattcca 240
 tccaacatat tactgaagaa gctgaagccc cacgtatggt gtatgtcctt cgtctttctg 300
 cgatag 306

<210> 11664
 <211> 369
 <212> DNA
 <213> A.fumigatus

<400> 11664
 ctgtctgtgc cagcgatcaa aacccaactc tactccgtgg ccccatgggc agccgcgttc 60
 ggcttctcca tgctgattgc aaccctttct gataagttca ggcaccgcta catttttgcg 120
 atgattccca tgttgattgc catgggcggc ttggggatcc tgctgaatgt tcacggcgtg 180
 gtcaccgga atgttcagta tggggcgctc ttcatgggta ccggtgggtg ctacagctca 240
 atggccgtag ttgtatgttg gtacgccatg aatctgagtg gacaccgtcg acggggcgtg 300
 ggaacagcat ggcagatcgg attcggtaac agtaagttgc aatttctgca atgcgttcgg 360
 ggtgcgtaa 369

<210> 11665
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 11665
 ctctctctcg gatacatagg cgtctccgaa acagataatg gtaaagccga gggcgagatc 60
 tatagcgagt ccgcggacct cctccgctc tctaccacca cggagcggaa gctgatggcc 120
 aagattgact ggcatatcgt gccgtgcctc tgtgtcatgt acttgctcgc ctttctcgac 180
 cggtatgcaa tcctcaaaac aaaaccctta gccccgtgca tgaactga 228

<210> 11666
 <211> 249
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (127)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11666
 ccagttggcg gtatcatcgc tacctattca ttctggcga aagacgcacc gctgtaccga 60
 aatgggtata tcatcagtct ttcttctc tgcttctccg cagcatgctg taccgcttat 120
 cttgcanegg tctggtacga caatcggaag cgtgatcgcg ccatggctaa cgggtgctacc 180
 attgagctta cggaacagga gcaagagcag ctgggcgcat ttgcgcccaa ttaccgctat 240
 acttattga 249

<210> 11667
 <211> 561
 <212> DNA
 <213> A.fumigatus

<400> 11667

gtctgtttcc	tccgagaacg	attgacccag	tcaatgacca	atcgcgacgt	ggcaggcttc	60
tatctgctgg	gaatgtggta	taagcgcagc	gaggcacaga	aacgattcag	cttcttcttc	120
agctctacta	ccttagcagg	cgcattcggg	ggctcttctg	ccagtgggtc	tggagagatg	180
gccggacttc	gtggctacaa	tggctggcga	tgggtcttca	tcacgaagg	cgctcctacc	240
tgtgttgttt	cgcttgtctg	gttcttctg	cttccagact	tcccagaaga	cgtaagtgg	300
ctgaatgatg	aggagcga	gttcattcgt	gcgaagcttg	ccaaggacgt	cggcgccgct	360
ggtagagatg	tcaagctgac	cgtgcgcgat	gtgctggcag	tctttaagga	ctgtgagtgg	420
cgcgccagcc	ttgggggttt	gatcttcgct	gactccttct	tagataagat	cttcattggg	480
ggcttcatgt	actttggcca	gacgtcacg	gcatacggg	agcatgactc	aacatggctc	540
ttgaatgggt	tcattctta	a				561

<210> 11668

<211> 249

<212> DNA

<213> A.fumigatus

<400> 11668

acgatggaaa	aagaacagat	caaagtcgat	ctaggagatt	cgcagagaat	caccgcaatg	60
gacgagaagc	agcctgtccc	caoggagctg	ggagtcatgg	gcgacactac	cctagagcaa	120
aatggattca	agatacatcc	tcagccgact	tcagatccct	tggacccgct	gaactgggtca	180
aggcttgaga	agcatactat	cttaggaatc	gtcatgttca	agtcagtcct	cgcaaagctc	240
aacgtatag						249

<210> 11669

<211> 378

<212> DNA

<213> A.fumigatus

<400> 11669

gaatcgatcat	gttcaagtca	gtcctcgcaa	agctcaacgt	atagtcagcc	gttgctaata	60
tttgatggaa	gataattcct	cttcaattac	atcacaacga	caacagttcc	ttcattccct	120
gagctccagt	ctcagttcag	tatcagttac	tcggaagtca	actggaccgt	cgcaatccct	180
gcccttgggc	tttcagtagg	gccccttttt	tggacttcgc	tcggcgatat	atacggccgt	240
cgcactattt	tcactactgg	aaccgtcatt	gctctcgtgt	cgacgattgg	agtagccgtg	300
gccgggagtt	atagcggata	tatggccgct	cgattcttcc	agggattcgg	ggttagccca	360
gcggcgacgg	ttgggatg					378

<210> 11670

<211> 192

<212> DNA

<213> A.fumigatus

<400> 11670

attgatgagt	ccttgatgat	ggctcttctg	gtcctgagcc	gatgcgcaa	gttccagttg	60
ttctacaatg	aagtcctgac	aatctactcg	ttaactgaat	ctactcaatc	tgggttcgat	120
tgtaatcact	tgtcatcctt	cttttccaac	cggagtgatg	ttatattcga	cggcatcctc	180
gacagccctt	ga					192

<210> 11671

<211> 303

<212> DNA

<213> A.fumigatus

<400> 11671

gtgaaactcg	tcataattgt	ctgcagtcca	cgcactttct	cgttgctgac	ctcgtcttat	60
------------	------------	------------	------------	------------	------------	----

ttcccaaagt	acagctggaa	tattagaccc	acagegtatg	ccctacatcc	tactgatctg	120
ccagaggtcg	aagcaacaat	ggtagccctt	caagccgtcc	aagcccacaa	tgcggtcttc	180
acatcgctag	cctcaggtcc	cgtcgcggtg	tttggtatgt	tcgccttcta	cattattctc	240
ccctctacga	tggaacaatt	gctgcagata	ttcctctttc	ggaagaagcc	ctcaagccgc	300
taa						303

<210> 11672

<211> 978

<212> DNA

<213> A.fumigatus

<400> 11672

taccctccag	tcggcggtac	ctctgggtatc	gccctctcaa	cggcctctgc	cttcacccgt	60
tacaccacat	cgccaagat	ctacctcggt	ggcgcgcagcc	agtcgcgcagc	cgatactgcc	120
attgcctcca	tcaaaaagaat	caacccctcc	gcgagcccaa	cctttctcca	agccgacata	180
tccttctca	aaaatgtcga	cagcgtatgc	gctgagctcg	catcaagaga	aaaatcgatc	240
aacctgcttt	tcatgactcc	cgggtatttg	acgctgaaag	gccgggacga	gacggccgaa	300
gggctggacc	gaaaattcgt	gctgcactac	tacgcgcgga	tgcgattcat	caccaatctg	360
cttctcgggt	tgagcgcagc	cgctcaagat	cctctgtcg	acgccggtgc	cagactatca	420
cgagtgtct	ctgttctaga	cccaatgggtc	ttcgtccgcg	ccggcggcgc	tggcaccctc	480
gacttctctg	accttagtct	gaagcacacc	tttacctgc	aaaaatgcgg	ttggcacgcc	540
agcctgatgg	gtaacttctt	cctggaaagt	atggcagagc	gacaccgcga	tacctccttt	600
gtccatgcat	acctctctgg	agtggccacg	ggcgtgatgc	gtgaactgcc	agctggacga	660
gtgctgtcgg	ctgtactgac	gccgctgtta	cggcccttta	tggtccctct	tcatgagagc	720
ggggagaggc	atttgtttgc	ggcgacaagt	ggaagggtcc	cttcgaaagc	tgagggagag	780
gggagcgaag	gggatatcgc	tgctggcagt	gatgggacga	aggggagtgg	ttgctactgg	840
ttgaattggg	acggtgaggt	ttttccgcca	aacaagaaaa	tacagaggac	gaggatgcaa	900
ggcgcggtgg	acaagtggtg	gcagcacaca	gaggagggtt	tcaagcaggt	gtgcgaagag	960
ggcaacacgt	acctgtaa					978

<210> 11673

<211> 786

<212> DNA

<213> A.fumigatus

<400> 11673

cgatcttgtg	ttccagagac	taatctggaa	cccgagata	caaatcgctc	caacagagcc	60
gctgagggtc	cacagacact	ggtcggcagt	gactcgcctc	attccagtgc	tcccagtaca	120
cctgaggatt	cgtctcgagc	tggttaaccga	cggctccgagg	ccgtcaagat	agctggcgaa	180
gactacttct	taccggatgg	gcgaattccc	gaggctcgaa	gtcacctgc	gacgccgcaa	240
cccgtggtga	caaagactct	tgtctttagt	cctcgcattc	agtttcatga	gacatggccc	300
agtggagagt	acgatcgtcg	aggagacatt	gcaacctgca	accgcttgac	gccacttctc	360
gctcaacaga	tcaaagaaga	actcaacaat	ttcaagatgg	ttagtctctca	cagagacaag	420
tccattccag	cacttgtacc	gacctgtatt	ctaacgcctca	atcataggaa	atggaagtgc	480
acgagacctc	gaagatctac	actcatttct	tgtgaggctc	tcgcccgcga	cgacattgtc	540
tggcacgtct	catattgcac	atcagccatc	gtaactagac	ctccgagtgg	tgtggctttt	600
tgcaactggc	attttaaacc	tcaagcactg	gcatgtgttt	cattcttctt	tagacctatg	660
catgatggtc	gagcgttcgc	aaaacgtgcc	gcacttgtgc	tattccgtct	tccgattatt	720
ccccgtcctt	gcgtattccc	cttggttcct	gcgtttgtgg	gtgttatgcc	gacacaacca	780
ttctag						786

<210> 11674

<211> 198

<212> DNA

<213> A.fumigatus

<220>
 <221> unsure
 <222> (5), (91), (103)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 ttatatcatt cggcacacat agaccgacgt nccaccctc aanattgtac caccctcggg 120
 ccttccagcc ccgtggtgaa gacaaaagaa aacaaggaca tcatgatgca gaaaaaacga 180
 gtcagacacg ccagatga 198

<210> 11675
 <211> 1053
 <212> DNA
 <213> A.fumigatus

<400> 11675
 tacgactcac actttgcttt tccgtgccac tacgacttcg agtggccggc agccgagatg 60
 atggagcccg cggtatcgaa cggcggctct gtcgctgagg acaatattat caaccgtcgc 120
 ggtggtgaat cgatctatca gagctgtgta aacctcaaaa aacggctggc tgagggtcca 180
 aatttcgaac cccacttgcg agagatggag gaggaggacg agagactggg caaactgac 240
 cctgtcgcac cgctttggaa ttgccttcga aatggatacc cttgtttgac catctacaat 300
 gcctctgac ctcccagct cctcgagatc gatccctcca aggttcccga ggcgaaacgt 360
 cccaaagccg ccaccttcaa gtttctacag gcgtcgtcgc aggagctggc ctttcccag 420
 caggattgct tcttgatcac cgatctatat ggcgacagta cgactggctt tatcaagggtg 480
 atcaaaatgg tgaatcgcgt tttggatatc ctggagatgc agggccagtt gaagcggctc 540
 ttggattcca caacatcggc tccagcgaaa ggggcgggtga agctcacaa gagggagttc 600
 attctcaagg agttactgga gacagaacgc gactacgtcc accacctaca gaatctgcag 660
 gctctcaaga aggaactaga ggagacaggg gctctgactg gagatgctag ccaccagatt 720
 tttctcaact tgaacaatct cctggatttc gcgcaacggg ttcttattcg gatggaacaa 780
 cattacgcc tacctgagga taagcaaaac tggggcgagc ttttcattca gcacaggaa 840
 gcttttcgac aatatgagcc attcatctcg aatcaaatgc gctgtgatga agtctgcctc 900
 aaagagtggg ataagattcg gtcagcaccg cggccgctcg accttcagca gatggtcgtc 960
 cagcctgcaa ctctgaacag tttctttgtc aagcctttcc agcgcattgac aaagtacccc 1020
 ctgatgctta tgggtgtgtg ttttcagatc tga 1053

<210> 11676
 <211> 285
 <212> DNA
 <213> A.fumigatus

<400> 11676
 tgtgtgcgca ccgtcattaa cctctggtta caggaactgc gcaaacaaac cgaggatcct 60
 gatctccaag ctgatatcac aaaagcaatt gacaccatcc agtctgttct cgactccgca 120
 aacgacgcga tcgacaagga gcacctagcg tcggcctttc tcgatttaga tgaacgagta 180
 gacgactgga aggctctgaa gatcgactcg ttcggcgaat tgctccgctt tggcacattc 240
 accgtcttgc aagtcttcac aacgccgagg gcatccatgt gcgag 285

<210> 11677
 <211> 366
 <212> DNA
 <213> A.fumigatus

<400> 11677
 ttttaagggtgc ttggtggtat cgcagatacg gtggcccagt tgatcacagc cttcaaggcc 60
 cgttcgacag tacgaaccag gcaagatggg gatctcatct cgatcgagat ccacgagatg 120

gacaaggagc	gaccaccacc	agtgggagag	ctgggacatg	cgaagcacat	tcctcctccg	180
cttgatttcg	agcgtctcac	ccgattcatg	tcctacgggt	tcttcattggc	acctatacaa	240
ttcaagtggg	tcgggtttcct	gtcccagaca	tttccgttga	ccaaaaagag	cccgacgctg	300
ccggctttga	agcgtgttgc	tgttgatcag	ctcatgttcg	ctcctttcgg	tatggacatc	360
tcttaa						366

<210> 11678

<211> 348

<212> DNA

<213> A.fumigatus

<400> 11678

tcagctcatg	ttcgctcctt	tcggatatgga	catctcttaa	cttcgaagat	aagagcttgg	60
gctgattttg	ataaagggtct	tgctgtcttc	ttcacattca	tgaccgtcgc	cgagggtgga	120
ggcaaaagag	ccttgaccgc	caagttccag	gatgtctact	taccgaccct	aaaggcaaac	180
tacgtcttgt	ggcctgctgt	gcagatcctc	aactttcggg	ttgtgccaat	tcaattccag	240
attgtaagtg	aagtctctgc	aagactaata	tgcattggtgc	taaccattat	atgtcacagc	300
catttgtatc	tagcgtcggg	atcgcttgga	ccgcatacct	gtccttga		348

<210> 11679

<211> 291

<212> DNA

<213> A.fumigatus

<400> 11679

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<210> 11680

<211> 348

<212> DNA

<213> A.fumigatus

<400> 11680

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<210> 11681

<211> 2121

<212> DNA

<213> A.fumigatus

<400> 11681

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gttctcaacc	tgaatgcgaa	ccggttccag	gtactgccag	cagaactctg	caaggctcagc	360

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<210> 11682

<211> 270

<212> DNA

<213> A. fumigatus

<400> 11682

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atgtgttgct ccctctcact aattgtgcct cctaattttg cagggctgcc ttggaagagc 180
agaagcgaaa agacgctaaa tctcggaaca cacatgggag ccccatcaag ttgcagagta 240
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<210> 11683

<211> 717

<212> DNA

<213> A. fumigatus

<400> 11683

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cgtctttata cgctcaaagg ccattgccaag ggtgtccagg acttgattat ggatccgact 360
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gccgataaga	cagccaaatg	tctcgtgagg	gaggatgggt	ggaaagcgaa	cctgacgctg	600
cctcatccgg	atthttgttcg	agatgttgta	gtttacgagc	aggggtgggtg	ggtcattacc	660
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<210> 11684

<211> 204

<212> DNA

<213> A.fumigatus

<400> 11684

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<210> 11685

<211> 471

<212> DNA

<213> A.fumigatus

<400> 11685

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cctttctcaat	ctcaaccacc	acaacagtct	caggctcctc	gccccaaccc	ccctggatat	180
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<210> 11686

<211> 396

<212> DNA

<213> A.fumigatus

<400> 11686

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<210> 11687

<211> 1299

<212> DNA

<213> A.fumigatus

<400> 11687

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<210> 11688

<211> 204

<212> DNA

<213> A.fumigatus

<400> 11688

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<210> 11689

<211> 666

<212> DNA

<213> A.fumigatus

<400> 11689

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<210> 11690

<211> 801

<212> DNA

<213> A.fumigatus

<400> 11690

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<210> 11691

<211> 222

<212> DNA

<213> A.fumigatus

<400> 11691

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atgaaggaga	aacaagataa	cactgtccaa	gtgggttttag	ttttattaca	atgtgacgag	180
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<210> 11692

<211> 1275

<212> DNA

<213> A.fumigatus

<400> 11692

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<210> 11693

<211> 246

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (19), (84)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11693

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<210> 11694

<211> 1278

<212> DNA

<213> *A.fumigatus*

<400> 11694

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<210> 11695

<211> 222

<212> DNA

<213> *A.fumigatus*

<400> 11695

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ggtctgccct	tcggtaggaa	ctcctctctc	atctatctgc	atgtcatcct	ccaatctatt	180
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<210> 11696

<211> 324
 <212> DNA
 <213> A.fumigatus

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<210> 11697
 <211> 981
 <212> DNA
 <213> A.fumigatus

<400> 11697
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 taccctcaac acaacgaagt tcttgatctt gcgacggctg ggccatccta taccgccaag 180
 gggtatgcat atgctggagg aggcgaaga gtcactagag tgcagatctc gctgaacaaa 240
 ggcaaatgta tgctatccaa cctttatcat ttcttaacga agctgacctg tcttgcagct 300
 tggcgtttgg cgaacattca gtatgctgaa gacagatacc gcgactttga tggcgagttg 360
 ttccggcggca aagtggacat gccttggcgt gaaacatgtt actgctgggtg tttctgggtc 420
 ctggatattc ctgtacctga cctagaggct agtgacgccc tgctagttag aagtatggat 480
 gaagcaatga gcgtccaacc gcgcgacatg tactgggtccg ttctcggaat gatgaacaat 540
 ccttgggttcc gagtgacgat taaaaacag aatggaacct tgttggtcga acaccctact 600
 catcctgtca tggctggcgg ctggatggaa cgcgtcaaaa aggctgggtg cgatctgact 660
 aacggcaact ggggagagag gcaagaagga gagatattgg cagaaccga acctgtgaag 720
 gaaatcaaca tgaagaagga aggccttgaat cgaactatta gtctcgaaga gttcaaaaaa 780
 agcaacgaag agggcgccca atgggttatt gtgaaggagg aagtatacga cggcaagccg 840
 ttccttgaag gtcaccccgagg agggacacag agcatcatct cttccatcgg attggacgtg 900
 actgaggatt tttctgaaat ccgtgggttc tccaacagct gtcttttgag aaaacgcagg 960
 gctaacatca tttacagata g 981

<210> 11698
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 11698
 cctaattggct actatggcac atcagtcaag ctcaattggg ccatggatcc aaacaaattg 60
 atcatgcttg cgcataagat gaatggcgag cctcttcgtc cggatcacgg tcgtcccttg 120
 agagccgttg tacctggcca aatcggcggc cgaagcgtga agtggatcaa gaaactgatc 180
 ttgactgatg caccagtgta caactggtac cacatctatg acaaccgagt attaccgtaa 240

<210> 11699
 <211> 327
 <212> DNA
 <213> A.fumigatus

<400> 11699
 gaaaacgcag ggctaacatc atttacagat agcgagacgg cgaaagcaat gatgcctgac 60
 tatcacatcg gcacaatgga cgaggcgctc ctcaagatgc tcaaagaagc tcgcaaggaa 120
 gaagagccca gcaagcctcg tgcactcttc ctccaaccac ggtcatggac aaaagcgaaa 180

ctcgcagcaa	agcgggatgt	ttcctgggat	acgcgcctct	tcaccttcga	actggaacac	240
cagaagcaaa	agctgggcct	accgattgga	cagcatatga	tgatcagagt	ccaggattct	300
acaaccaaag	aaaaaattat	tcgatca				327

<210> 11700

<211> 222

<212> DNA

<213> A.fumigatus

<400> 11700

tctagaaggt	caacaaagca	aaggatgaaa	aatatcatat	cagaaagtct	agcctcacac	60
tcgagggtat	tgaccgctcg	aagaaggggc	ccctcaagag	taagtcctta	ccttttgcac	120
aagttctatg	gaggaccaac	gtacatgaat	tggatcgctg	gcaagatttt	gaactcgact	180
caggaaggcg	cgacaggcgc	aggagaattc	ctctggagtt	ag		222

<210> 11701

<211> 288

<212> DNA

<213> A.fumigatus

<400> 11701

gtcatttttt	cttcaacggc	ctcgccactg	ctcttaacac	ggtgtaattt	tcagaaaatt	60
gtctatgcc	agggcacatc	ggatgtgata	gccaggctac	gaggaccta	caacgtcccc	120
acaactactg	ctacccaagc	tacagggtgt	tccacagata	tccagaaatc	gatcttcagt	180
ggtccgctg	gatccacagc	actgcccccg	aaacccgcgg	ggcagggtcaa	cggcgaggcc	240
caggcagctc	atggaactaa	gcggcctcgt	gaggaagaaa	gtgactag		288

<210> 11702

<211> 477

<212> DNA

<213> A.fumigatus

<400> 11702

tcgtctgtca	agccaaaatg	gtacacactc	aaatcgaagc	ggaagccggc	caagaagaag	60
gacagcaccg	tctctggaga	gacctcctt	cagtttgccg	tgatcgacct	gtcgaacgca	120
tcggcacccc	cgactgagat	ctaccaaagg	ttccggagct	tggtctgctc	tagtgaggaa	180
gatgatgacc	ttccgccagt	ccaacaaaat	gagtcggatg	aagccgacag	ggacgaggag	240
acctcggatg	agactgatga	cctgacgaaa	ccggagattg	tggaaaagag	gagaaaacga	300
ctccggctcg	ctcgcttgaa	acggaaatca	ctagcagctc	gagcgtatca	gttttctgga	360
gtgggtaacg	gagtcagggg	tatcgtgttc	atggagattg	tgcaggtaac	agatcttccg	420
cccgaacgga	acggtatgtc	actcgacctc	cctagtttaa	ggcgggttgc	gatctaa	477

<210> 11703

<211> 1368

<212> DNA

<213> A.fumigatus

<400> 11703

ctcctggccg	ttacttaccc	ggaactgaaa	caggccgagc	ttaatgcccc	ccaagctggt	60
attacgtgcg	agcgaaaaag	catccattct	accgcttcag	cattgttcag	aactctgcct	120
caatgtatcc	caatgaatcc	ttcccaattc	ggtctggtgt	cctccatata	cacccttggc	180
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ttgcgagcta	caacgatttt	ctttattctg	ggcccgccag	ccgaaacctt	tgcgccaggt	300
ataccgatct	tgagtgtcgg	taggttgctg	agtgggtgtg	gtgcggggcg	tgctattgtc	360
gttggtccaa	tttatatatc	cgaaattgcc	ccgccccacg	ccaaagggtt	cttcggcgcc	420
tttacgcaga	ttatgaccaa	tgtaggtatc	ctattttacc	agacgctcgg	ctactttttc	480

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<210> 11704
<211> 1491
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1320)
<223> Identity of nucleotide sequences at the above locations are unknown.
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<210> 11705
<211> 582
<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (19)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11705

tatacggcct	ttcggatgnt	cggaattgtc	ttttcttcca	tgggcgcg	tatgctcacc	60
actctcgggg	tccatacgtc	aagcgccaaa	tggattgggt	ttcaggtgct	gtatgggtttt	120
ggcctcggca	cgtgcaacca	gataccaaac	atggcggcgc	agacagtgtc	ccccgcgag	180
caggtggcca	tgggcgcgtc	gctcatgttc	tttgcgcaac	agctgtttgg	cgccgtcttt	240
acgtcgggtc	gcgagaacgt	gctcagcaac	cagctggcca	agcgtctggc	gatcagttcg	300
caaacgggtc	agaataccgg	tgccaccag	cttctggagc	acgttcctgt	cgacgaccgt	360
gttgcatcgc	tgggggctta	taatgactcg	ctgcaggtag	ttttccaggt	tgggtctcatc	420
atggcttgct	ttgccatcct	gggtgccgta	cctatggaat	ggcgcaactgt	caagaaggag	480
cagctgtctt	ccacgtctga	ccgcaacgat	ggacaggcgg	aggagggcgc	cccgggcaat	540
gccagtcgaa	cgatggacta	caagcagggg	acggtgaatt	ga		582

<210> 11706

<211> 363

<212> DNA

<213> A.fumigatus

<400> 11706

accgcaagta	ctgcaaccgg	gccaatatct	ccgatcccca	ctcgccaatg	gtgtgcgcac	60
agcccacggc	gaagaacatc	gccccggatg	atccggacca	cagtatcacc	ggcgggaatc	120
agcaagtgtg	cagcacctac	catccagact	ccgacttcga	cgcccccaac	atgcaaggct	180
tcgctcgcgga	gcagatcgcc	gcatacggca	tgcacggcaa	cctctcgcgc	gccggcgagg	240
tcatacaacta	ctataccccc	gagcacatcc	ccgtcttcaa	cgccatggcc	gagaactttg	300
tgctcttcga	ccgtctgttc	gctgctgttc	ccggcccaac	caacccccaa	cgcgcctatc	360
tga						363

<210> 11707

<211> 417

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (36)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11707

tctcccgcac	cggtgaatat	acggcctttc	ggatgntcgg	aattgtcttt	tcttccatcg	60
gcgcgggtat	gtcaccact	ctcggtgtcc	atacgtcaag	cgccaaatgg	attggttttc	120
aggtgctgta	tgggttttggc	ctcggcacgt	gcaaccagat	accaaactatg	gcggcgagca	180
cagtgtctccc	ccgcgagcag	gtggccatcg	gcgcgtcgct	catgttcttt	gcgcaacagc	240
tgtttggcgc	cgtcttttacg	tcggtcggcg	agaacgtgct	cagcaaccag	ctggccaagc	300
gtctggcgat	cagttcgcaa	acggtccaga	ataccggtgc	caccagctt	ctggagcacg	360
ttcctgtcga	cgaccgtgtt	gcacgcgtgg	gggcttataa	tgactcgtcg	caggttag	417

<210> 11708

<211> 957

<212> DNA

<213> A.fumigatus

<400> 11708

cacattgctc	tcctcgctat	ccataccagg	ggaacacaca	attctcctac	gtgccatgtc	60
gcggccccgt	ctgtccgctg	ccaagctgtc	agtccgcgcg	aacagcttcg	aaatggtgtc	120
cgtttcttcg	acatccgtgt	gcagccccag	ttcccagagg	acccatccaa	agatgagctt	180
atcctagtgc	acagcgtgtt	ccccatctcc	ttgacgggca	acaagtactt	tcgcgatctg	240
atgcgagacg	ttaatgagtt	cctcaatgag	aatccatccg	agacgctcat	catctctctg	300
aagcgagaag	gcccaggaaa	ccataccgat	gaacaattga	gtcggattgt	gcgcgaccat	360
tatgctcgtc	cagatagccg	gtggtacaca	gaacccaaaa	tcctactctt	gggcgaggtg	420
cgcgggaaag	tcgtcctgct	tcgccgggtc	aacatcattg	aagagctaaa	gcatgaacac	480
gacggccgcg	gctggggcat	agacggaagc	gattgggcag	ataatactcc	aaacgctacc	540
tgcagcagtg	gtcaactctg	catccaggac	ttctacgagg	tcctcgagac	gaagaacatc	600
gatgtcaaaa	tcaaatatgt	aacggagcac	tgtgagcgtc	ccagcgggca	ctgttaccgc	660
ttcgggtgcc	tcccggatcc	cgaagctagc	aaagcgcctc	cattctatat	aaatttcctc	720
agtgcagca	acttctggaa	ggtggggacg	tggcccagaa	agattgcagc	aaagctgaac	780
ccggcaactg	ttgactatct	ctgccggaga	cacagtcacc	tggacggtga	ctggtcgact	840
ggtattcttg	ttacggactg	ggttggccac	gaaggcgact	gggaccttgt	gcgttgcatc	900
gttgcatga	atgctaagct	gaagatgaga	cagatgagag	aggagcagga	acactaa	957

<210> 11709

<211> 231

<212> DNA

<213> A.fumigatus

<400> 11709

gacgcactaa	acaccgccgt	ggcatacttg	gtcgtctgcaa	tcccactctt	acacggactc	60
tctgccagcg	ccgccttctg	ctgcaacgcc	atcgctcat	ccaccttccc	agccctgtac	120
agctcataca	ccctcgacgc	cgtccgcgga	aacacattcg	caaacgccgc	aatgcagcca	180
gccgaccgca	cactcaaccc	cgcgagcagg	aaatccgact	gccccccata	a	231

<210> 11710

<211> 279

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (21), (37), (44)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11710

cggagggcat	gcgaaaatct	ncgctccctg	cgcgatnaca	gatncgggat	tcgggaccca	60
attcgcgaag	ctcagaacgg	gggcagtggg	gttggtatat	atttccggaa	ggaaggccgt	120
gctctgggtg	aagtgggtcaa	gtaccttggtg	tacaatgtct	gcaagcgggg	tgggtgacacg	180
gccgacaaat	atttactctg	gacagagaaac	atcgctgggtg	tgcgagatgt	gagatacacc	240
gttcagaatg	atccggagtt	cgtactaatg	atcgatatag			279

<210> 11711

<211> 378

<212> DNA

<213> A.fumigatus

<400> 11711

atgcgcttcc	aagccctcat	gcccgcacatc	cttcattggc	ttgggatcaa	gaagatcgac	60
cgcatgttgt	ccatgtcgaa	catgaagcac	gacgccatcg	tccagtcagg	aatcaagatc	120
ctcaagcgcg	tgccaattcc	ggaggagttg	atacctagcg	attcgcgcgt	tgagattgat	180

gcaaagatca	atgccgggcta	cttcacaacc	ggtaaacagt	atacaatgga	agaactggcc	240
tcggtaaagg	gacgcggctg	ggagaaatgg	gaggatgtca	cggtaagtag	agctctttct	300
gtggacgaag	cctcactaac	tctgtcaagc	attaacctgc	tatatattcg	tctattcaca	360
agctcaacct	tgtcttga					378

<210> 11712

<211> 1119

<212> DNA

<213> A.fumigatus

<400> 11712

agctataccg	agtataaaac	ccctgctctg	ccactttctg	ccactcctct	gacactacag	60
actatatctc	tcacactgag	cttccctgaa	tctacgctcc	aacaggcaaa	ctgcaactct	120
accatgggct	cctcacaacc	cccgcagctc	tcaccccaac	cccacgtccc	caaaccaggc	180
gtctgggtgc	ccgcggtaac	cttcttgcag	cacaccactg	acacctctga	cctcgactcc	240
caaaagaaat	actacgccta	cctctccaaa	accggcctcg	ccggcctcgt	catcctcggc	300
acaaactccg	aagccttcct	cctcaccgcg	gaagagcgcg	cccagctcat	cgccgcggcc	360
cgcgaggccg	tcggcccaga	ctacccccct	atggccggcg	tcggcgccca	ctccaccaag	420
cagacgtcgg	agctagcagc	cgatgcggcg	gccgcaggcg	caaactacct	cctcgtgctc	480
ccgcccgcat	acttcggcaa	ggcgacgacc	atgagcgctg	tgaagcggtt	tttcgcggac	540
gtagcggcgc	gggctccggt	gccgggttat	atctacaatt	tccccggcgt	gtgcaatgga	600
gtcgacattg	actctgagac	gatgacggcg	atcgtgcgcg	agtccgcggc	cgcgagcccg	660
agcggcggtat	cgaacgtggg	cggggtcaag	ctcacctgtg	catcggtggg	gaagatcaca	720
cggctggcgg	cgacgttctc	gcaggacgag	tttgcggttt	atggggggca	gtcggatttc	780
ctgctcgcgg	ggttgagtg	cggtcggtct	ggctgcattg	cggcgtttgc	gaatgtgttt	840
ccgcggacgg	cgtcgagggt	gtatgagctg	tacaggcgctg	ggaagggtga	tgaggcgatg	900
gcgttgcagc	agaaggcggc	gctggcagag	agtccgtgta	agagtgggat	tgcagcgacc	960
aagtatgcca	cggcgggtgt	tagtgcgctc	caggcaggga	ttgaggcggc	aggggagaag	1020
ctccggcctc	ggacgccgta	tgaggagccg	ggtgaagggg	tgaagcagtt	ggtgcgggag	1080
gtgatggcgg	aggtggcgga	gattgagaga	agtatatag			1119

<210> 11713

<211> 258

<212> DNA

<213> A.fumigatus

<400> 11713

tacgtcgcag	acaatccttc	cgagattggt	gcaggtaatc	agcactgggg	ccacgcaacc	60
agcaaggatt	tgtaccagtg	gaccaaccac	cccatcgcca	tcgcccctag	ccagccgggc	120
gagtggatct	attccggctc	ggctgtgatg	gacagcaaca	acacctcggg	attcttcccc	180
gaccaggacg	acggtgtagt	cgctatctac	actctggcta	ctgagatggt	gctaacgcgg	240
ggcagagtag	tgcgtacg					258

<210> 11714

<211> 369

<212> DNA

<213> A.fumigatus

<400> 11714

ttgatcctgc	ctagcttggt	gaccgtgggg	actggagtac	cccgtctggg	ggtctttgca	60
gctgtactaa	ccatccggag	ttcagacccc	tgctggggga	cggtgggata	taaatacccc	120
tccatcctcc	tcatacatcc	aggggtggaat	gtcaagcatc	gttctttcaa	tcagacaatc	180
aaaatgcgtg	cttctttcat	tctcttctct	gctgcagtgg	cagcgggcca	aacagccaaa	240
tattccgggc	ctgtgcggcc	tcaggttcac	ttctccctc	cttctcagtt	catgaatgac	300
cccaatgggc	ttttctatga	tcacaagagg	gagggtttatc	acctgtatta	ccaatgtgag	360
cttaattga						369

<210> 11715
 <211> 483
 <212> DNA
 <213> A.fumigatus

<400> 11715
 ttaaggtcac aaacgtcttc gactccaaac ggagtagtgg ccgcgttcaa accggttctc 60
 attgaaggaa ccatgctgcg agcgtgtcc catgattcac tgcaccgtct ccgagaagaa 120
 cagcctccta agttgacctt ttgcgaagat gagtctgatg acgagtctga tggctatggg 180
 tcgaagtcca aaaaaagcaa agcaagcgaa ccatcaaggg gacaagccat cggaccccgg 240
 ctgggtgagg cccccaaacc gaatcatgtg tacctccagt gggaggcccc agtggttgat 300
 gcgtacatca aggtcgacca gggcgacaaa cacaccggat atctcgactt tgacgcttca 360
 aaggcaaccg ctcacggaga atgggcctac cgggcgatgt ggagtaaaga aagcaagctt 420
 gcttcctcga tctataaccg tggagatcaa cctcgagaga acccgacgac ttggaattac 480
 tga 483

<210> 11716
 <211> 402
 <212> DNA
 <213> A.fumigatus

<400> 11716
 gtcaacttag gaggtgttcc ttctcggaga cgggtgcagt aatcatggga cagcgtctcg 60
 agcatgggtc cttcaatgag aaccgggttg aacgcggcca ctactccgtt tggagtcgaa 120
 gacgtttgtg accttaatca agttgcactc gataaaagac gagagggtta tgattctgct 180
 aatgccaaag gtgatgttct ctctgggtctg cagggcgccg agactgtctg tggattacc 240
 acttctcaga gcaccaatga gaccctggaa gattccaagg gcatgaagat caggagctac 300
 aaggaacccc tgggagttgt cgctgccgtc ttccttttca gtgtgttacc cgatatgcat 360
 tcttctatgg tcggcactga tgagcgtaga tctccgccat ga 402

<210> 11717
 <211> 348
 <212> DNA
 <213> A.fumigatus

<400> 11717
 tactcgccga gttggccaag gaagccggct ttccctcccg cgttattagt atcatccacg 60
 gatattccaa ggccgtcaac ctcatcctgg atagccctc acgagctcac ggccatgac 120
 agctttcttg gaggttatcg tgctggagag tacgtctaca ctcatgggtg cgccactggc 180
 aagcgtgtac aggccaacct tgggtgcatg aaccacgtg ccgtgctttt caacgcaaac 240
 agactatcaa tgccttatgt ggagcttctt gcagcgtctg cagccagct ttgcatggct 300
 ctccggcacag tgggtcatgat tggcgtgagc gataagtggc tgccttag 348

<210> 11718
 <211> 366
 <212> DNA
 <213> A.fumigatus

<400> 11718
 aaccctcgag cgtgtcccg cgcaaccatg atactcgccg agttggccaa ggaagccggc 60
 tttcctcccg gcgttattag tatcatccac ggatattcca aggcgtcaa cctcatcctg 120
 gatagccctc cagcagctca cggccatgat cagctttctt ggagggttatc gtgctggaga 180
 gtacgtctac actcatgggt gcgccactgg caagcgtgta caggccaacc ttggtgtcat 240
 gaaccacgct gccgtgcttt tcaacgcaaa cagactatca atgccttatg tggagcttct 300
 tgcagcgtct gcacgccagc tttgcatggc tctcggcaca gtgggtcatga ttggcgtgag 360

cgataa

366

<210> 11719

<211> 411

<212> DNA

<213> A.fumigatus

<400> 11719

gggctaattg	gtttgatagc	ctttacgaat	cagaatatct	ccagcgcaag	cggcaatggg	60
gattgcccaa	attccgacgg	cgattatagg	ctcactctcg	tggaactcgaa	cgggttcgtc	120
aacgccaatg	gatcgagtaa	tctgaagaat	atgggtcttg	gcgctacgcc	gattgtcacg	180
gtcttctatc	cagagtcgaa	tttgtctcag	cgggacatcc	aatacgtagc	tgtgaagcca	240
gaggacacga	gtggcttggt	aggacaagtc	agcggtctgt	tggcatccgg	ttttactgca	300
cccaccgtgt	ttgccttggg	gactctgggc	attacccttg	ctttcttttc	cggaaatatt	360
ggatttagcc	ctcgacacat	ggaaaggctg	tcagaggcca	ttcaggattg	a	411

<210> 11720

<211> 189

<212> DNA

<213> A.fumigatus

<400> 11720

agtttattga	tattggccac	ccctgctca	ttgataccac	agaacattat	ttgcaccccc	60
gatcagacct	cttttgtatc	catgtcacag	ccatgggatt	acatcgctaa	gctcgtctgt	120
attggagact	ccggcactgg	aaagtctagt	gtgagtgtgt	cacactcatt	tacccggtta	180
ttatattga						189

<210> 11721

<211> 663

<212> DNA

<213> A.fumigatus

<400> 11721

aactgtgctg	acctgcgtgt	tgttgtaaag	ttgactattc	gactctgtga	aggacgcttc	60
tcctccagtc	atgatgttac	tattggcggtg	gaattcggat	cgcgtattgt	tccagttggg	120
cctccagcat	caaagagtct	gggggtagat	tccgatgttt	ctgactcttc	tgctctaaca	180
ctttcaacgg	cgagagcaat	ggttgcatcc	cacgagtctg	ttgcctcggg	cctccccagc	240
cctccacgaa	aaccgctagg	agatcgatca	cagaaaaaaa	tgaagctctc	cctttgggac	300
actgcggggc	aagagactta	caagtcgata	acgcgctcat	atcttcgcgg	tgcttcaggg	360
gcctcctcgt	tttttgacat	cactcgtccc	tctacattca	cctcttgcac	ccaatggttg	420
caagatcttc	ggcaaattgc	agaagatggt	attgttgtaa	ttttggttgg	aaataagagc	480
gatctcgcgg	aagtgaatc	cgacgtgaat	cagaggcgtg	tcaccagaca	agaagcagag	540
gagtggtgcc	gcatgaacaa	tgttggtcgc	tacgttgaaa	ccagtgc aaa	gtccggtgaa	600
agcgtcgaac	gcgctttcct	cgaagttgct	gagaggattt	atcgcaatat	cgaggcagga	660
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<210> 11722

<211> 1452

<212> DNA

<213> A.fumigatus

<400> 11722

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gatgatgcac	ggcataatgg	cagtgatcgt	ctcaatgcac	gatctgggat	tcctcgcctt	180
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<210> 11723

<211> 369

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (24)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11723

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gctggttccc cctgtagccc caanaccttt cacaccactt cgacgatcgt tcaggtcgta 60
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<210> 11724

<211> 231

<212> DNA

<213> A.fumigatus

<400> 11724

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agcacagttc tatctgaggt tcaatataat aaccgggtaa atgagtgtga cactcaca 180
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<210> 11725

<211> 1317

<212> DNA

<213> A.fumigatus

<400> 11725

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attgcgctgg	cgcaagtacc	tcaggacgtc	ctttccccga	agcgaccatt	tccacaggag	180
tcaacggtgc	ctgggatata	atctgaagaa	tggcctttga	cgccccagg	tctgattgga	240
gagacagaag	actccattcg	aagcacgtcg	agggatctgg	tggatgcctt	gaaggtaatg	300
caagaggagt	atcttgagtt	gtggcaaggc	aaatggccga	ctgcgattga	ctggacggct	360
gctgtcctgg	ggactcatgt	ctccgctacc	ctctcgctgc	tcacctctac	cgtgggcat	420
gttctgctct	caagtctttc	cgcagacacc	gaaaacgccg	agggagaatg	ccagtccgcc	480
attcatcgct	cattggcggt	cgagaacttt	atcaaccact	tcttcggcca	atccgtttcg	540
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gatcggtcga	acgcaagcac	agagcatcgc	tggcatggag	ttcagtttca	gattccagcg	720
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cacgatctgg	ttcggaaggt	catccgtgct	accgggtggc	ccaacaagga	cgccagggag	1260
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<210> 11726

<211> 234

<212> DNA

<213> A.fumigatus

<400> 11726

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ctgtgttcta	tttatacaat	ctggggccat	tgcgctggcg	caagtacctc	aggacgtcct	180
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<210> 11727

<211> 201

<212> DNA

<213> A.fumigatus

<400> 11727

aatcagtcta	ccaatcagag	actttgtttg	gcgagagttc	gtcatgtcat	gattatgagc	60
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<210> 11728

<211> 429

<212> DNA

<213> A.fumigatus

<400> 11728

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caggcctatc	ggcgtgtcaa	tgagctgttt	gcagatgctg	tagctgaggc	agctacaagg	180

gggagcttga	tttgggttca	tgactatcat	ctcatgctcc	tcccgaagct	tctgcgtcag	240
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ggagatttct	ggagagcgct	acctgttcga	aatgatctgc	tcgagggaat	gttggccagt	360
gacctgattg	gattccacac	ggacgagtag	aagtcgaact	ttatccagac	ttgtgctcag	420
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<210> 11729

<211> 798

<212> DNA

<213> A.fumigatus

<400> 11729

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caagaggtgc	aggatcggat	caagcagctg	gaggagaaat	acaaggggat	tacggtcatc	180
attggggtag	accgactgga	ctacatcaag	ggccttacgc	agaagctgaa	gggatacgac	240
cacttcctgg	atcgtcaccc	agagttgagg	aacaaagtta	tcttgataca	ggttgctgtc	300
ccaagtcgcg	aggatgtcaa	ggaataccag	gagttggaga	cagagttaag	tacaattgca	360
gggaagatta	atggaaaaca	ttgtatgtgc	atgtcctatt	ctatttgcg	gcgagttatt	420
acacagatac	tgaactatga	gctcctgaca	gccactcctg	acggagttcc	gctcctctac	480
atgcatcgct	ctgttcacct	caccgagcta	accgcttat	actcgattgc	tgatgcttgc	540
cttcttacat	ctactcgcca	tgggatgaac	ctcgtgtcgt	ttgaatacat	tgctgtcag	600
gaacaacggc	atggcgtcct	ggtgctctct	gaatttgcg	gagcagcttc	cttcatgaaa	660
gagggaaagta	tcagtttcca	ccccgcaaac	acaacgggaac	tggcagatgc	tgtctataaa	720
gctgtgatga	tgggcgagga	cgagaagaag	aagaaatacg	agtacctgcg	gaacttcattc	780
gagactaata	caaggtga					798

<210> 11730

<211> 195

<212> DNA

<213> A.fumigatus

<400> 11730

aaaatggcgc	ccgacagttc	gcaagtgaag	cgcaacctca	ttattgtttc	gaatcgcttc	60
cctgtctcgg	tcaaacggac	cgatggctca	tataagtcta	gtctgtctag	cggtggctctg	120
gtcacatcgc	tatctgggtt	gacaaaatcc	actgaattcc	gctgggttcg	ttggcctggt	180
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<210> 11731

<211> 1011

<212> DNA

<213> A.fumigatus

<400> 11731

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tcggatcaga	ctgtcacagg	gccagagcat	gaccttcac	atccacagcc	ccgagaagat	180
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gaggagcctg	ctcattctga	agttattgac	gtacaagcct	acgggcgcga	tcgtggcggc	360
gcccacattt	tccttgccgg	agaacgtggg	cggcagccgc	aactgggact	accggtactc	420
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cggcaacgcg	gccgtcttcc	acacacagct	ggacatctac	ggcgaactgc	tggacagcat	720

ctacctgtac	gacaagcacg	gcaacccaat	cacctacgac	cagtggctcg	cgatccggcg	780
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cggccagatc	cagaacttcc	tctactccaa	gatcatgctc	tgggtggcgc	tggaccgagg	900
cgtgcgcctc	tgcgagaagc	gctccagcct	ccccgcccg	gaccgcctca	gatggatcca	960
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<210> 11732

<211> 258

<212> DNA

<213> A.fumigatus

<400> 11732

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ctctggaac	tgcgccctcg	gcacttcgac	aatatcctct	cctactcgaa	ccacctgggc	120
atgttctccg	aggaggtcgc	aatctccggc	gagcagatgg	ggaatacccc	gcaggcggtc	180
agccatttgg	cgtgtgtcag	tgcggcgctc	aatctcgaga	ggctgggtcg	ggatcaagat	240
gagccgaatt	cttcatag					258

<210> 11733

<211> 1566

<212> DNA

<213> A.fumigatus

<400> 11733

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gcccgggggtc	accgggttca	agtcgggggt	tgggccatcc	ggcgtgggtca	gaaagctgac	180
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ccttaa						1566

<210> 11734

<211> 450

<212> DNA

<213> A.fumigatus

<400> 11734

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gcaacccaat	cacctacgac	cagtggctcg	cgatccggcg	catggtcaac	tacgtggccg	180
agggtgcgcca	cgaaaaggac	atgtcgatct	gggagtcccg	cggccagatc	cagaacttcc	240
tctactccaa	gatcatgtct	tgggtggcgc	tggaccgcgg	cgtgcgcctc	tgcgagaagc	300
gctccagcct	cccctgcccg	gaccgcctca	gatggatcca	cgtccgcgac	gagctctacg	360
acgagatcat	ggagcgcggc	tacaactttg	accgcggcca	cttcaccag	agctacgaga	420
gccgcgacgt	cctcgacgcc	gccgtcatga				450

<210> 11735

<211> 354

<212> DNA

<213> A.fumigatus

<400> 11735

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agtgggaattt	tggactggga	gttttagcggc	tggatccctg	agtactggga	gttctcaaaa	240
gccctctatg	tttggaaatg	gcaaaaacgat	tggatcgaaa	atctggtgca	ggttcttgaa	300
ccgtattatc	ctgaatacgc	agtccattcc	ttcttgaccg	agacactatg	gtaa	354

<210> 11736

<211> 405

<212> DNA

<213> A.fumigatus

<400> 11736

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gatatgacgg	gaatcatga	ccctttggag	gacatggatg	ttcatgagaa	gggcgccttc	180
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ctcaagggca	tctgggatat	gaccaagaag	gaccctctgt	cacctgtggc	ttactatttc	360
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<210> 11737

<211> 222

<212> DNA

<213> A.fumigatus

<400> 11737

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cacaagattt	gcaaccctca	gtggatcaac	gccgttgaat	acctggagat	tgtcgggtatt	180
attgttggtc	agattctcgt	cggagttctt	ggtgactggt	ag		222

<210> 11738

<211> 669

<212> DNA

<213> A.fumigatus

<400> 11738

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gctttcttga	tgcagggttg	gggtcagttc	ttcaaccagg	tcatcctcat	tatcttgcta	180
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<210> 11739

<211> 318

<212> DNA

<213> A.fumigatus

<400> 11739

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gggtgctccg	aaaactccct	ggatgcaaat	gcccctttca	gccagccaaa	agcgagttac	180
gttcttgcca	tcagatgtgg	aagcatttcc	tcaaggagat	ggcctaactc	ccgttcagag	240
gcgcttttctg	ggaacggcat	ctgggtgtct	gcctaccctg	atattcccaa	ccactgggtgt	300
caccctggta	gatcttga					318

<210> 11740

<211> 339

<212> DNA

<213> A.fumigatus

<400> 11740

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aagctcggcg	ggggggaaga	gtctccctgc	aaggtcttcc	ttgaagccga	tgatctccgg	180
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gtggaactgc	ttaaaactgcg	gtttccaggc	tacggagaat	atactgaaga	cagaatggat	300
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<210> 11741

<211> 300

<212> DNA

<213> A.fumigatus

<400> 11741

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gatgggacta	ccaaaaccat	cgagaaaaacg	gatctcgctt	ctcacctcaa	tggcaccttg	180
ctcgaggctc	ccaccgacaa	cttcccgcgg	tccatcaaat	ccgtcaactt	caacagcttg	240
gaggcgcggg	gagggcgtct	tcaccgcggg	cgggaagagcc	gcgcaatttc	cattaacccg	300

<210> 11742

<211> 255

<212> DNA

<213> A.fumigatus

<400> 11742

ctgctggaaa	ctgatactca	aaagcaacga	accaccaagg	ttactaccta	cttcggagat	60
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ggcgcgtcgt	tatcgctatc	acagaatctc	cggattgaga	tcctgattct	gccttatccc	180
ccgcgaaaaa	agccggagaa	caagtcgggtg	ggtaaaaaaa	ctttaacctc	aggttttaatt	240
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<210> 11743

<211> 3102

<212> DNA

<213> A.fumigatus

<400> 11743

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aattcggatt	cggaattgtc	aggcgacgag	acagacgact	cctttgtcga	ttcaaaaggg	180
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ggtggcggcc	tcaaactgcc	tctggaactc	ggtccggacg	gcttcccagt	tctaaagaag	300
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gatgtcccg	acctgacgct	cttcaggtct	cgagaaggac	gagcaacaga	gctgcgggag	3000
aaagccgtct	acgtgcaccc	gtcgtctgtt	cttgcgcgcc	tttcgccaaa	ggaaatgccg	3060
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<210> 11744

<211> 624

<212> DNA

<213> A.fumigatus

<400> 11744

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gccttgacgg	aagagacttg	gattctgagt	gaaatcagag	atcctcagag	tggcagacat	180
gactacaagc	ttgagggggt	tgatggaggg	atcctcttcg	ctcatggctt	tccgcaggtc	240
aatgatacgc	ctaaccattc	caatcaggat	atcagtgttg	acgctccgct	cgtgggcctc	300
gtcgaatgacg	ataacagaat	atttcttcaa	agcgaagtct	tcggcaatct	cgcggataag	360
gataccgtcg	gtcatgaact	tgatcgcggt	tttgctggag	acgttgcttt	cgaatcgaat	420
ctggtaagcg	acccgggtcga	aatactgtcc	cagctcatcg	gccacacgct	tggccatact	480
gacagcagca	actcggcggg	gttgtgtcac	tgcaatcata	cccggttggg	gactatcggg	540
gtgtccataa	ccggcctcga	acaggaactg	aggaagtgtg	gtgggtcttc	cgctaccagt	600
agcaccgccag	atgacgatgg	atga				624

<210> 11745

<211> 294

<212> DNA

<213> A.fumigatus

<400> 11745

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ctcctcatta	tcactgccac	tatcctcttc	atcgctttca	tcattgtcgg	aagatgcgtc	120
tttttctcca	tcctgcacat	tttttgtttc	ggcatcgatt	tccgagtctt	caggctcttc	180
atcgctgcta	ccagcactat	cattttttatc	atcggaattg	aatccttccc	atggaacttc	240
cggtagcgat	acggccgccc	gtttggcctt	gggcgctctt	ttccgcttct	ttag	294

<210> 11746

<211> 720

<212> DNA

<213> A.fumigatus

<400> 11746

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acttgcaact	ctaggggaag	cggctcctct	tcagcgacgg	tgttcctgac	gggccgcttg	120
gattcacgaa	cgaacggctg	ctcctctgct	gtaatgggac	cagaaggttt	aaagccgaca	180
acctcattga	tttgttgtct	tgcccactct	ttgaacgcgg	actggcgagg	cttgattcgg	240
agttgtgcta	acgactcagc	ttcctcatca	tcaccacccc	cctcctcatc	gtcttcgtct	300
tcttcacctc	cctcctcatt	atcactgcca	ctatcctctt	catcgctttc	atcattgtcg	360
gaagatgcgt	ctttttctcc	atcctgcaca	ttttttgttt	cggcatcgat	ttccgagtct	420
tcaggctctt	catcgctgct	accagcacta	tcatttttat	catcggaatt	gaatccttcc	480
catggaactt	ccggtagcga	tacggccgcc	ggtttggcct	tgggcgctct	tttccgcttc	540
tttagaactg	ggaagccgtc	cggaccgagt	tccagaggac	gtttgaggcc	gccaccaatg	600
actggggcgg	gaatcggtgg	tgcaggagca	gtctcggcga	gctttcgctt	agtagtcctt	660

tttgaatcga caaaggagtc gtctgtctcg tcgcctgaca attccgaatc ogaattctga 720

<210> 11747

<211> 198

<212> DNA

<213> A.fumigatus

<400> 11747

aacgtcagct tcttctgctg gaaatcaaac ccgaaccact cgggccccgt cgacaggcta	60
aactcgtacc agaagccaca aaccagcgcc acccagctcg acaccccagt ggcttcgatac	120
tccgcacagg cctgccgcac cggctcgccc accagcatct ccttcgcgag tttctcattc	180
gtgatatcgc agccgtag	198

<210> 11748

<211> 222

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (28)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11748

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ggctctggccc agagaatgag caataggaca accagcgggt atgatgcggg ccagatcaaa	120
cagctgcttg tgggcatcgg tctaactttc tctcctctctc attatctccg tgagtgcacc	180
tgttcccga a cggattatg gccctgcgc tcagacatat aa	222

<210> 11749

<211> 237

<212> DNA

<213> A.fumigatus

<400> 11749

actatatggc cggccttcag catgaccag aacgacaccc cccgaaccag ctattcagac	60
ccatcgcacc cgatacagta ccttgacaac atggcccaaa agtacgccag agaccagccg	120
tctggcttca ccaaccgcat cgaacgcgtc gccatcgctc gcgtaggtct gcttccatcc	180
tcctccgaga acctcactaa caacaccacc accaccacca ggccggcggc accgtag	237

<210> 11750

<211> 354

<212> DNA

<213> A.fumigatus

<400> 11750

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cggcaccgta ggcaaatata tcaaccagga actcctcaag acaggccaac acaccataac	120
cgcgctcacg cgcgagaca gccaaagcac cctccctgog ggcgtccgca ccgccaccgt	180
cgactaccag gacgagtcga ctctggttgc agcctgcaa gaccagcagt tctcatcat	240
tacgctgagc gtctcagcgc ccaaggacac gcagagcaag cttatccagg ccgcggcgaa	300
agcgggggtc ccgtacgtga tgccgaactg ctacggctgc gatatcacga atga	354

<210> 11751

<211> 960

<212> DNA

<213> A.fumigatus

<400> 11751

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cctgcgggcg	tccgcaccgc	caccgtcgac	taccaggacg	agtcgactct	ggttgcagcc	180
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aagaagctga	cgttttacga	tgaggggaacg	gtccggatta	atgtgagtac	gtgggagcag	540
tgcggaagg	ccgttgcggc	gttcctgaag	ttcaaggagt	tgccggagga	tgagaatgat	600
acgagcccga	cgggtgcgtg	ctgggcgaac	cggccactgt	ttatctcgag	ctttctagtc	660
agccagagg	atatgtttga	gagctggaag	aggattaccg	gggataagga	ggaggattgg	720
acaatcgagt	atgagcccac	cgcggtgcgg	tatcagagg	gcattgagag	gatgcacaag	780
ggtgaccggt	acggctttgc	gcaggccatg	tatgcgcgcg	tcttctatcc	gaatgggggc	840
ggtgactatg	agagcagccg	gggactggat	aatgatgtgc	tgggactgcc	tcaggagggc	900
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<210> 11752

<211> 336

<212> DNA

<213> A.fumigatus

<400> 11752

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caccctctcc	aatctcctct	ggtgttagcg	gataccttcg	tactctttca	gaccactctt	180
ggaaccatga	gtattatcat	tgcaagtgcg	gcaaagcttc	gtcccgcgca	atgttcagac	240
tcctgcattc	gcgccttctc	agctttgagc	tccgcgattc	aagtcgccgt	ttctaacgcc	300
acaagggccc	tggataagcc	tggggtttcc	ctttga			336

<210> 11753

<211> 486

<212> DNA

<213> A.fumigatus

<400> 11753

gcattctcga	gacgttttcta	caacgcgtac	agcgtctggg	ttcgcacgag	ccttatcacc	60
aacgtagtac	gtctcattga	gatcgccgtg	gaagccgttg	tgatacagg	taacatcaat	120
ggtgatgatg	tctccatcct	caagagggcg	ctgatcgggg	atgccgtgac	agattgtctc	180
ggtgacggat	gtacatacgg	atttaggaaa	atgcatgtag	ttgagaggcg	aaggatagga	240
ctgagacata	ttagactggg	accgtttcct	ttgctctttc	cgaacgaaaa	gacagccact	300
tacattacgc	tccaagcatg	ccttggtgcac	aacttcacatg	atgtagtcgg	tcgtaacacc	360
tgggtctgacc	tccctcgcg	caatgtccag	cacctctcga	gccagacggc	agaccttctc	420
catcccttct	tgctgttctc	tattcaagat	ggtgatgttg	tgacggccta	caaacttctg	480
ctctga						486

<210> 11754

<211> 1191

<212> DNA

<213> A.fumigatus

<400> 11754

ataaggcca	cacgtgctgc	tcgattctta	tttctgttat	gcgctgactc	gtccgatcag	60
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agtgaacaca aggctatcca taaatcgaag agtaatatcc tgtccaacct cttccctccg      120
aaggtagttt ctgaacctga tccagccacg ggacatttca atccatttcc ttcgttccaa      180
tttaccgggt ctctgagacc cgtctatcct ctgtctccca tgcgaacggt tcccaagtct      240
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cttctcgtca ctgaggatgg tgtggaagtt ttgactgctc gtctacctga ttcaccgggt      1140
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<210> 11755

<211> 300

<212> DNA

<213> A.fumigatus

<400> 11755

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aaacagatct tcctgtctgc agccgatcag acgatcattg tggccagtta tgggcagatc      60
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ttggcaagct ttcagccatt gtatggcaag ttgtccgata tctttggcag acgagcatgt      180
ctcttattct cgtattttgt gttcgggtctt ggctgtctat tttgcccgtt agcgcgaaac      240
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<210> 11756

<211> 462

<212> DNA

<213> A.fumigatus

<400> 11756

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tccgaattta gctacctcat caaagacgac atctgttttt tgtgtatttg cgatcgctca      60
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tactccccgt cacagtatca ttctccgact ctgcgacctt atgctttcgt ggagttcgac      180
acttttcattc agcgtaccaa gaagatttac caagatagcc gcgcatcgca gaacctcgac      240
cgggttaaattg acgagcttcg tgatgtgacc aaggtaatat ccaagaatat cgaggacctt      300
ttgtatagag gtgatagttt agaacgcgat ggcgagctat cggggcgctc gcgggaggac      360
agtaagaggt ataagaaagc cgcagttcgc atcaactggg agctgttgat caagcagggtg      420
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<210> 11757

<211> 189

<212> DNA

<213> A.fumigatus

<400> 11757

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aagctacttt ttgatacttc gttagattcg ggggagggtta ctcagggtac ctatctactc      60
tgtacaggta cggcttttct atccatcagt ctctctattc agtctgacgt gctcctaggg      120
ttttgtcttc atcagccaag cagtacttgg tacattgcac agatatgtga gaatttaagt      180

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attagttga

189

<210> 11758

<211> 636

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (245), (252), (288), (296), (327)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11758

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cttatgcggg	acgggaagtt	gagcaaggcc	cagaaggttt	gtacatcgct	cgaaattcga	180
caggtggccg	gtgctaattc	agttgatgtt	cagaacatgt	ccttcacacct	tgaccacctt	240
cgaantgccc	tncccccca	accgcacccg	aagcgccgtc	tcctcctnng	tcctcntagc	300
cctcaactcc	ttttgaacct	cgtcctntac	ctcaccttga	ttgtcgactc	ggtcgcacct	360
ctgattaaga	tccgtcagca	gaagggtatt	gocggcggag	gtgccgccgt	gcagataccc	420
gttcctttga	tgcagagaca	gcggcggcgg	acggcgatca	gatggatcat	cgatgcctct	480
gacaagcggc	gggacagcag	tttcgctcag	cgagttgctc	acgagctggg	cgctgttgcg	540
gaaggtcgta	gtggagtgtg	ggatcggagg	gaagcgggtc	ataagcttgg	tgctcgctgg	600
cgttcgaatc	ttggctctgg	cactcagcgc	aggtaa			636

<210> 11759

<211> 837

<212> DNA

<213> *A.fumigatus*

<400> 11759

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atttggcctt	ctcatctttc	caatcaaagt	gatgctcgca	caccacaaac	ggactccaac	180
gccccaatcc	ttcaacctcc	atgccgcttt	gtccttcgtc	caacgaggca	accactcata	240
tcacccgcac	agcagctctg	cggggaccgc	ccccagccca	gacgcgcgag	tcagctccc	300
agctccagtt	cacctaccac	taacgacgta	ttatcaatag	gtcgagtcgc	aacttcggag	360
tctgttcttt	ttttttccca	aaattctttg	ccagtcgaaa	ccgtgccgtc	gaatgctgtt	420
ggggcgaccg	tggcacgcat	cgcactctgc	actggtgcct	acgaacaaga	actcgaacac	480
gacggccacg	atcaaagctt	cgagctcgaa	gagttccaca	cccgaatcgc	ctacccgctt	540
gtaacacgcg	aacgcactag	ctccaacat	tttgtttccc	tcgagtcgga	ctcgacgaa	600
caagtacagg	agagcgagaa	atacacgccg	ccgggtgaaa	agagcgggtc	agaccacaga	660
gcgaacaacc	ccagggtccg	cttttgggca	gaggctctcc	ggcgtcgaca	atccccaaaa	720
gaaagtgcac	ggggacaaaag	gacagcaaag	atgaagttct	cgcacagtat	tcagttcaat	780
gcggtgccgg	attggagtgc	ttactacatt	gcgtatagta	atttgaagaa	attgtga	837

<210> 11760

<211> 1617

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (994), (1037)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11760

tatattgctc	cagctaattgc	taatgcgtac	aggatatatt	ctctcgagca	gcaagctcgg	60
aaagcaaacg	gacaggcaca	gtcagatgtc	gagtcgcgac	cgctattaag	cgagacacct	120
acgcccaggg	cggtgtttccg	gcgggctctg	aacgcggagc	tcgagaagat	atgcagtttc	180
tacgaagtca	aggagtccga	aatactcaag	gaggtggagg	atgttgttcg	cgatacggag	240
gagtactcgt	ccaagacgga	cggggctgac	gtggacccca	tgagtgcgc	tatgatcaag	300
tcgcgaggga	tgagctcaaa	ctcacgccc	cgacagagcg	gctcgtaccg	cgattatgcg	360
gaggaggaga	cagaagatga	cgatgatgca	gcggatagcg	atgacgagca	tcacccgccg	420
accgggcagg	gaggggttcc	gtcatcgggt	cggtcgcgct	cggacctgag	cgattcgaga	480
ttcatggctg	actcgaggat	tttggggttt	gatcgacgag	ggagcggcgg	acatgatgag	540
cattgcaaag	atccagggtt	tttgggaattg	tacaacgagg	gcttgtcgct	gcggcagcgg	600
gccgtgaatg	cctatgtctc	gctgtgcggg	ctcaagtcgt	acatccagct	gaacaagacc	660
gggttctcca	aggcgttgaa	gaagttcgac	aagatcctcg	actgcaattt	gcggcgcgag	720
tacatgagct	ccaccgtttc	tccagcgtat	ccgtttacag	attcgaccat	gaagaagatc	780
gatgacgcga	tcggccgggt	cgagcagctc	tacgcggact	tgattacggg	tggcgacctg	840
gcgctggcca	agcgggagct	gcggttgcac	ctcaaaaagc	acgttgtctg	ggagcgtaat	900
acagtctggc	gagagatgat	cggtatcgag	cgcaaggccc	aagctgcgaa	tgttggcatt	960
cgtcggacac	tgctgggaat	ggatgaggac	ccanccaccg	cacgacaaca	gggcgattat	1020
ccagaagctg	ctgccnaaa	gatcaagacg	ccgtttgggtc	gctatagcgt	gcccagtggt	1080
ctctgcagct	tgagtttcgg	gactctgac	gtcatcctgg	cggtgtttat	catcttgctc	1140
tatgctccga	ttatggataa	accggagcag	cagaactgtt	tggccatgct	tgtgtttgtc	1200
agtctgttat	gggccacgga	ggttattccc	ctctttgtga	cgtccctctt	gatacccttc	1260
ctggttgtca	tgttgccgat	tatgaagtcc	gcggacaagc	cttaccaccg	tctgggcccg	1320
aaggacgcca	ctggcgccgc	tttcagtgcg	atgtggacgc	cggtgatcat	gctcctactg	1380
ggcggcttca	ccatcgccgc	tgcggttgtcc	aagtacgaca	ttgctcggcg	gatggccatg	1440
tttgtgctga	gcagagccgg	atccaatccc	aaagtagttc	tgctgacgaa	catgtttgtg	1500
agcatgttcc	ttagtatgtg	gatcagcaat	gtggccctgc	ctgtcctttg	ctactccatt	1560
attcaagtag	gtctcctttt	ccaggaaaag	atTTTTTTTT	gtcttggaac	atgctaa	1617

<210> 11761

<211> 183

<212> DNA

<213> A.fumigatus

<400> 11761

aatccatatt	tgtccatcta	tacgtaccta	ctccctttac	cattgggtat	tcactccatg	60
aaaatcacca	ggggaagttt	cgttagtatg	tttaacactg	aagctgtctc	aaggtcatac	120
tcgcacaggg	tcattgcatc	aacgccgact	gccttcggct	cccttggcat	tgggtactacc	180
tag						183

<210> 11762

<211> 555

<212> DNA

<213> A.fumigatus

<400> 11762

acatcctttg	gcctttcgtc	ccggccgcta	ttgccataca	cttcgctcgg	aaggatcttc	60
acatttgga	ttttcgcttt	gaactatggt	gccatgggtc	cttcagcaaa	cttgcttggc	120
tttgccaggg	ggagagttga	caaggaagct	gccccagggt	tcctgggaat	actattggac	180
acaacactga	gttctgtcgt	ggagatcgta	ctcttcaggg	ttttgatcca	caatgataga	240
gggggaaacc	tgatccctgt	catccaggcc	gctatcctgg	gctcaattct	ggcgaatttg	300
ttgcttttgt	tggggtttgt	cttcttcttc	ggaggtatca	gacgccatga	acagtcgttt	360
catgaagcta	tcagtgaggt	cggttcgggg	cttctgctcg	ttgcaggttt	tgggtctgtta	420
ataccagagc	ctttctacgc	ggccctaagc	tcgagctcaa	ccaaagcgat	catcactcca	480
gaagatttgg	atcactccac	tttggttaatc	agtcgatcta	cctctgttat	tcttctcgtc	540
gccttcatta	tgtaa					555

<210> 11763

<211> 534

<212> DNA

<213> A.fumigatus

<400> 11763

cacaggccag	tcattcaacg	cggtcgtctc	gacagacgga	gacagcgatc	gtccactcct	60
cctcgccccg	gagggagaca	aactccgctt	cttcggcggc	gacctgctag	gcatgatcgt	120
cgcggagttc	ctccaagccg	actcgggtcg	ggtcccaatc	agcaccaacg	acgccatcga	180
tcgcgggcgt	ctggccggcg	ctctggagcc	aaaaaccaag	atcggcagtc	cgtacgtgat	240
cgcgggggatg	cagagcggcg	tggaaaagcg	ccgccagcgc	gtctgcggat	gggaagccaa	300
tggcggtttt	ctgacaggct	ccgacatcga	gcgcaacggc	caggtgctcc	ctgcgctccc	360
gacgcgcgat	gccgtcctcc	ctctcctctg	tgcgtgtgtt	gccgcgcaaa	gccggctgat	420
gacctgcct	gcgcttttca	gcactctgcc	caaacgattc	agccgtgctg	cgttgatccg	480
gaactttcct	cgtgccacaa	gcctgaaaat	catcgaccgc	ttttcagtgc	gtga	534

<210> 11764

<211> 1494

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (81)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11764

tcattgcagc	tctcagaggg	aggcattcgc	aaaggcgacg	acttctatct	cgcatacgac	60
ctccgaccca	gctccactgg	ntatgtagag	aacaaccgcg	gtggactttg	tcaagcggtc	120
gtgcaagcct	tgaagatgg	aggcatgaac	cctatcaatc	ttggggctat	tcatacgctt	180
gcactcacct	tttttgctct	tcaaaaggcc	aagggaagta	tcatggtaac	ggggagccat	240
atcccggttcg	atcgcaacgg	ctacaagctc	aatacctcca	aaggagagct	cctcaagaaa	300
gacgaacaac	ccatcaacaa	tgtggtcgag	gttgtgcgcg	aggagcttct	ctctcagccc	360
tttgccgatt	ctttgttcaa	tgaacaaggc	atgcttcgtg	gttccccatc	caaccttcct	420
ccagttgcgc	ccgagggtag	agctgcctat	atccagcgct	accttgactt	cttccaaggc	480
gaatcgctaa	agggcatgaa	gatacctcgt	taccagcatt	cggccgctcg	tcgcgacggt	540
gtggttgaga	ttctggagaa	gcttggtgcg	gaagccactt	ccgccggtcg	cagcgagacc	600
tttggtccga	tagacaccga	agcaatcgac	gaggcgcaac	tcagcacctg	ccagaagctg	660
tacgatagca	caggccagtc	attcaacgcg	gtcgtctcga	cagacggaga	cagcgatcgt	720
ccactcctcc	tcgccccgga	gggagacaaa	ctccgcttct	tcggcggcga	cctgctaggc	780
atgatcgtcg	cggagttcct	ccaagccgac	tcggctcgtg	tcccaatcag	caccaacgac	840
gccatcgatc	gcggcgctct	ggccggcgct	ctggagccaa	aaaccaagat	cggcagtcgg	900
tacgtgatcg	cgggggatgca	gagcgccgtg	gaaaagcgcc	gccagcgcg	ctgcggatgg	960
gaagccaatg	goggttttct	gacaggctcc	gacatcgagc	gcaacggcca	ggtgctccct	1020
gcgctcccga	cgcgcgatgc	cgctcctcct	ctcctctgtg	cgctgtttgc	cgcgcaaagc	1080
cggctgatga	ccctgcctgc	gcttttcagc	actctgccca	aacgattcag	ccgtgctgcg	1140
ttgatccgga	actttcctcg	tgccacaagc	ctgaaaatca	tcgaccgctt	ttcagtgcgt	1200
gagggcggag	cgcagaccgc	ggaagagcag	tcccgctcga	ttcgtcagga	gctggaaggg	1260
attttctctg	cccgcatgg	gttttcgtca	atctctcgga	tcgattacac	ggatgggggt	1320
cgcgtcattt	tcgaaaatgg	tgatgtcgct	catttcgctc	cttcgggaaa	tgcggtgaa	1380
cttcgaatct	atgctgtggc	ggatacacag	gagcgtgcag	accagatcgc	gacggagggg	1440
gttgctgaac	cgggaaggtt	gctacggagg	ctggagcgg	tggttcaggc	gtag	1494

<210> 11765

<211> 387

<212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (42), (51), (121)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11765
 cggccatgta cagtcgcgct gaccgtcatt gatacccccg gnttcggcga ntatgtcaac 60
 aaccgtgact cctggcaacc aattatcgag ttccttgatg accagcacga atcgtagatg 120
 nttcaagagc agcaaccccc cgcacagac aagatcgata tgcgtgttca cgcctgcttg 180
 tacttcatca gaccacggg ccacactttg aagcctcttg atattgaggt catgaagcgg 240
 ttgagctctc gagtcaacct cattcccgtt attgccaaagg ccgacactct tagccctact 300
 gatcttgccc gtttcaagca gagagtgaga cttccggata aatggcctcc cccactggta 360
 gatactgact ctcccaatct gttttag 387

<210> 11766
 <211> 567
 <212> DNA
 <213> A.fumigatus

<400> 11766
 gtcaaagctg ttgtcgaagc tcaaggcacc aagatctaca cccctcctat cgaagaggac 60
 gacgagcacg ctgccgcgca cgctcgcagt ctgatggctg ctatgccctt cgctgtaatt 120
 ggatccgaga aagatgtgaa gaccaacgac aaccgggtag taaagggtcg ccaatatgcc 180
 tgggggtgtg ctgaagtcga gaacgaggac cactgtgact tcaagaagct gcgctctatc 240
 ctgatacgca ctacatgct tgatctcatc cacaccaccg aggagcagca ctacgaagcc 300
 taccgcgcac agcagatgga aacaagaaag ttcggcgagg ccagaccgag aaagctggac 360
 aaccctaagt tcaagggaaga ggaggaggct ctgcggaagc gtttcaccga gcaggtcaag 420
 gtcgaagagc agcgattccg ccagtgaggag cagaagctca tttccgagag agaccgcctc 480
 aacaaggacc tggaggccac tcacgctgag tatgtgcacc tcttcttaca tttcttgctc 540
 catagagaag tatggagaca atgctga 567

<210> 11767
 <211> 1011
 <212> DNA
 <213> A.fumigatus

<400> 11767
 ttagattcag gaccggtaaa tgcgggttact ttctctagct atccaggcac atatgtcctc 60
 accggttccct ctgatcgcgc cattcacctc tcgctgcca tcccgaacag ctctactact 120
 ggtcacgaga cgacttcccc gatccaaaag tatgaggcgc acggttactc agtcctagac 180
 gtggctgtcg cagcagacaa tgcgcgattt acaagcgtcg gcggagaccg ccagggtattt 240
 ctgtgggacg tcgaacaagg gataactacg cggcgatggg ccggacataa cgccagggtc 300
 gaggcggtac aatttgctgg cgaggcgat tccgtgggtg tatctggtaa gagcccgtct 360
 tcggtcactc ctgtctgttc agtagtagaa gcatccggca ttctgacctt tctttcaggc 420
 agtgacagata caactattaa tctatgggac acccggtcca aatcacacaa gcctatccag 480
 accctcactg aggcggcgca taccgtctcc tcgctacacg tacacatgcc gacgtattcc 540
 attgcaagtg gaagctacga tggccgcgct cgcactacg atgtccgcat gggccggaca 600
 actgttgacg tccttgctca ccccgtagc agtgctccggt gctctgcgga cggtaatgcc 660
 ctgctgggtt ctacactcga cagccggatc cggatgctgg atcgggcaga cggcaagctt 720
 ctcaaggctt ttgggggcga ggagggtctc gagcaaagca ctactggtgc gagggtaacg 780
 tatcgcaata gccaacttag gattcggctc gtctttgccg agggagacgc tgtcgttctc 840
 agtggcagtg agtcggagaa aggagatccg tcaccgcagg ctcatgtttt tgccctgggat 900
 gtgcttagtg gagagggtat cgcaactgtc cgagcgggga atggagtga gggtgttagc 960

tgcgtagcgt ggcactcttc aacaggggta gaagcgccgc gcttgcgaaa a 1011

<210> 11768

<211> 789

<212> DNA

<213> A.fumigatus

<400> 11768

gctaagcgcg	tgtcctgcc	gccccgtggt	gaagacaaga	aatggtggga	gtatcgggag	60
ctgttcaaca	cgcactctgc	ccgtcggcgg	ctgatctgtg	tcgttggtat	ggcatgcttc	120
ggacagctgt	cggggaactc	gatcacgtcg	tactatctgc	ccaacatggt	ggccaacgcc	180
ggaatcacgg	acgaaaagac	caagctgatg	ctcaatggca	tctaccggcg	catttgccgtg	240
atagcagccg	tcaccggggc	ccggttgacc	gacaagattg	gccgtcgtcc	cctgatgatt	300
tactcgctgc	tgttctgctc	ggtggccttt	gcagtcatta	cgggaacgtc	aaagatggcg	360
accgaccatc	ctgataaac	ggacgtcgcc	aacacggcca	tcgcattcat	ctacctgttc	420
ggcatcgtct	tctcgtttgg	ctggaccccg	ttgcagagca	tgtacattgc	cgagactctc	480
acgacaacca	cccgcgccaa	gggcactgcc	tttggcaatc	tcattgtctag	tatcagcagc	540
accatcatcc	aatatgcgtc	cggcccggcc	tttgacaaga	tccactacta	cttctacctg	600
gtgtttgtgg	gctgggatct	ggtcgaggca	gtggtgatct	ggttctactt	ccctgaaacc	660
aaggaacgaa	ctctcgagga	actggccgag	gtgtttgagg	cgcctaatac	agtcaagaag	720
agtctacaga	agagagatat	ccactctgtc	ttgaacaccc	tggaggttca	gggggatacc	780
aaagcgtag						789

<210> 11769

<211> 201

<212> DNA

<213> A.fumigatus

<400> 11769

tcaacaggtg	tcctcaaggc	tgtcaagaat	gtcaacgaga	ccattggccc	tgctctcatc	60
aaggagaaca	tcgatgtgaa	ggaccagtct	aaggctgcag	agttccctaa	caagcttgac	120
gggactgcc	acaagtccaa	cctcggtgct	aatgccaccc	ctcgtgtcag	cttggctgtt	180
gccaaaggct	ggtgctgctg	a				201

<210> 11770

<211> 198

<212> DNA

<213> A.fumigatus

<400> 11770

agaggtaggc	cggagataaa	agctctactc	tctattagct	ctctatataa	atatctgaat	60
ctgtacatct	cgatgatgga	agagaagatt	gttagctact	caatgcttat	ctacattact	120
gccattagcc	cgttgcatct	caggagtcac	ggaataaaca	aagtagcatg	ctcgtggcca	180
gaagcgtag	aagactag					198

<210> 11771

<211> 507

<212> DNA

<213> A.fumigatus

<400> 11771

tcaaggggat	gcttgggaatc	acctcgccca	tcaaccacta	acctgctgac	tcttgtcgtc	60
atagctctcg	ctgatgcctt	catccagtct	agcgtgaaga	acggctccag	cccatccaaa	120
gtcgcttggt	acaagagcga	caccaccgag	tccatcaact	acctcaagga	cgacaccatt	180
gatgttggca	tcacctatac	ccccgtgct	gaagagatcg	ccatcaagca	gggtgtcgct	240
aaaagccctg	catggtacgc	ctggcgcgac	cactttttgc	tagttggacc	accctccaac	300

ccggccggac	tcaaaaaggc	cgacgacatc	aagaccatgt	tctcgcacat	ctacgccgtt	360
gcacgggcag	gcgacggcgc	caacgtcgcc	attcccgttc	gcttcctcac	tcgctatgac	420
aagtcagcaa	caaacatcaa	agagtcccag	ctgtggatcg	agattggaca	agtcagtcac	480
ccatttcacc	tcgatctaac	gccttga				507

<210> 11772

<211> 363

<212> DNA

<213> A.fumigatus

<400> 11772

gtcccctggg	cgaccaagta	ctccacctgg	tatcaccagt	acattgccta	tcccatccaa	60
gccttgactg	cggtatttct	cctcgaggaa	tacaccatta	ccgaccgcgg	cacctacctc	120
tcaatcgacc	aggcgcttgc	ccacaagacc	accatctaca	aggctgccac	cgacgaccct	180
gccgatcctc	tgctcaatcc	cgcacacatg	ctggtcggca	agaaggcgag	caacatgaag	240
atggctgaca	aattcactca	gtgggtgatc	agtgccgaag	gtcaggctgt	cattactggc	300
ttcaagaaga	acggaaagca	gttgtatact	gctgcgcctg	ctaataagac	tgctcctttt	360
tag						363

<210> 11773

<211> 399

<212> DNA

<213> A.fumigatus

<400> 11773

agactatcct	ttgtgtacaa	cttcaacatg	attgacgaca	cgaacgattt	ccccgggctg	60
ccacctttcc	caagtgatat	accaaccgct	cccctgctcc	gtctatctct	ccagaagctg	120
cttgccgctg	aggcgtagca	ggtccagagg	ctgggtgcaag	catgcgaaga	cctaggattc	180
ttctacctcg	atctgggagg	ctgcgaagag	ggccgtggcc	tcctcaatgg	tgagacaag	240
ctgttccaaa	caggcgagaa	cctactgaat	cttagcctgg	aggagaaact	ccaatatgac	300
tttagcagcc	ttaactccta	ccacggttat	aaagcacagg	gtgcagcggt	cgtcgatcgt	360
caagggaatc	ttgaccggaa	cgagttttac	aatgtctga			399

<210> 11774

<211> 648

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (545), (577), (579), (583), (633)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11774

gtctcaaaga	acgacatcct	aggcatgacc	ccacagctac	cagccccage	aatcctccat	60
caagctcgtc	caactctcga	atcattcatc	cgcgcctccc	actcaattgt	cacgctgac	120
ctcatcctcc	taaacgacag	tctaggcctc	ccgcggcgga	ctctacccaa	tctccaccgt	180
ctcaacgccc	tcagcggcga	ccaagtccgc	ttcatcaaat	cgccacccca	gccggcggac	240
gacagacgca	ccgccttagg	agaacacacc	gacttcggca	gcatacagat	cctcttcaac	300
cggctcggcg	ggctgcaagt	ttttccacc	ggcgacgcaa	cgcaatgggt	ctacgtgcgg	360
cctctccctg	ggcacgcgat	cgtcaacctg	ggcgacgcaa	tggtcaagtt	cacaaatggg	420
ctgttccgct	cgaacatcca	ccgtgtggtg	gcgcggccgg	gccagcaggc	tgattggacc	480
cggtatagtc	ttgtctactt	ctcgcggcca	gaggatgatg	tacttctcaa	gcgggtggaag	540
ggtcngatcg	attccgagct	gaaaaaaagg	gatgtcnang	aanaaactaa	taacagggag	600
ttggatatcc	gcgtgcgttg	gggaaaaagg	tcnattgggg	ggagggtga		648

<210> 11775
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 11775
 gggaacagaa gaaatgctat ttgctttcca aacctttctca tatttcctga aaaaaaacc 60
 tggatactcc ttttccaacc actatccggt ttaccccgga tttctcccat tgaatataac 120
 aattgctcat tccaatccac cttgaaacca caaatctccc cccctggtg tggccgatat 180
 ttcaattccc aaaaatggaa cacccttttc aattcttccc cccaacataa ccagggttttc 240
 att 243

<210> 11776
 <211> 690
 <212> DNA
 <213> A.fumigatus

<400> 11776
 agaggcttcc cgcattggaca gttgaaatac tctccatcg ttatcaccac atcccataat 60
 cctcattcaa cttttctgaa ctccaggtccg gtcacggaag agagctattc ctgcacaatg 120
 accacaccga agcctcacat agctcgcgag cttcttgac gcgcccactc accagacaca 180
 gcagaacagc tattcacaga gcgggtcaaa caaaaacccc tctacctcag accgacctcc 240
 cccacacctg cggacaaccg agaaagacgt cgcattgcac gtgtccgcaa aaaggaatac 300
 ttcttgcgca aacagaaaacc aaagcccctc tccgcgcgag aaaagcgcat ctcgggcctc 360
 tacgatcttc ccaaagagga atgcaaatat tccatcttcc aggagcttca caaattatgg 420
 gttggctata tgcaagagat cttggacctc cgagttcgaa aggttcccat cacgccacag 480
 tcgcatggga gcaagctggt tactgcagat tttcatggtg ctgaggtgga ggttggtcgg 540
 agtcggtgcc cagggagggt aggtgtgaag ggaatcgtgg cgagggacac aaagttcaca 600
 tttatgattg tcacaaagaa ggatgaggta aagagtgagt atcctttcac aaatcccttt 660
 atacggccgg agaaggagag ctttggtctaa 690

<210> 11777
 <211> 1158
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (151)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11777
 ttaagccttt gtcgcctccg gaagaggaaa ccccggcgcc cagataaggg caacgagaat 60
 ggaaacgttc aagccaatga cgagaatgtt caagaagtgc cgtccaaccg gcgtcgtgcc 120
 aatagcgttg agccacgacg gtcttcggac nccgcagaaa agcgttgga ggagcaagat 180
 gcaacggagg cgctgcggcg ggctattcag tccagcccag cccgaaacct tgagaaccac 240
 cctggtgctg cggctcgatga gaacagcctt acacctaac cagtgagaag agcgtctctc 300
 catagtgtc agaacgaagg ttgtcctctc aagtcttgg gcggttccgc cctgaacagt 360
 ccccgccgta gccctcgcgt taactgtcgc gatccaggtc aaaagcctca agacaaggaa 420
 aacgcggcga ttgacaaaga cctagaaggg ttattcgaga gtccgcctt cgaatatgac 480
 ctgcccgcga gtcttacctc cagaagacga aaccagcga gcaacctgt gggagagaag 540
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 ataacccta ccaagctcag cgcgcagaaa cttcacctga tacagggcag tacgactgtg 660
 acccccgtc aaaataaaac gccgaagtct ctgcgatctt taggacctga tatgccttcc 720
 atgcccgcag gtgggtttta tgtggaggct ttggacaata ttgacagtat gcttggtaat 780
 atcttcgagg acgtgcgcgt ttcgcacag tgtgactcct tgttttctt tgggcaatcc 840

aaggactcga	cgagcggcaa	ctgggtctgga	tggattgaat	ccgattatat	ttcattgaac	900
ggatccgacg	tccaggaggc	aaatggcgag	cagcggacga	gtaggcggag	cggcgcgagc	960
gaggacgaag	atctcatcca	cgccattctc	tccgacccgg	acatccaaaa	gaatgcgcat	1020
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tcagtcaccg	ccgatgtcgt	cactctcggc	tccagaagca	aaactgccga	ggagcccgcg	1140
agcaaggagt	cggtttga					1158

<210> 11778
 <211> 585
 <212> DNA
 <213> A.fumigatus

<400> 11778	
agtaccgcgac	acattgttta cattgatacc attccacgag cggtcgttgc catgcctcct 60
ccgcttccat	cccagcatcg cggatgacc gccaaccttc tcaagccagt gaagcggttac 120
cggccgggaa	aaccgatcgc agaggaaccc tcgtcgtctg aagaggatga cgatgcggag 180
gaagaggtag	aggagcagga gcggcgcaga caggaacaac aacggcagag gcaacaggct 240
ccaaaagcga	cttcgttccc tgctggcgct gctgctgctg ggaggattac aaagggcgtg 300
caagatgtga	agattgaaga ggatgacgac gaggaagggt ttgtgacgga ggaggaggaa 360
gaggcgccgc	cgaagtaac tgctcgtgtt gctggcgacc gagcggagac tgtgacggct 420
caagcaggcg	gagacgaaga ggaggaggaa gaagagggaag aggaggagga ggaggaaagt 480
gaggaagaag	agagcagttc agaagaggag gcgcctcgaa gggttctgtt acggcctacg 540
ttcatcaaga	aagatcttca ccacaggctg aagacacgcg tcaca 585

<210> 11779
 <211> 276
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (167)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11779	
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cacgccttcc	acccctctag cggctcctca acacacactg tccgcatacct tggaacggta 120
acagccctcc	atgggtgacac cgcatacaata acatgcggga ataacgncga tgtcactctc 180
atcctaaagt	cagactcaca tctccagatg ggaaaattag tcgaggtggt agggaaagtc 240
acggaattag	aggcgccggca ggtacgtgcc tcttga 276

<210> 11780
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 11780	
gctccggcta	ggttgtctgt gtgggttcgggt ttccgggtcat ccctgctccc ctctgtctgc 60
tgggtgctgt	cctcgtcatg tcccataatg cctgttgatc tcatacctcc gccccgtata 120
tccctccctt	ttcgtccgtc tccccaaaac ctcttctctc cagatgttcc tctgtgact 180
cctttaaacc	aacctccgat cctgagaca ccgcctgtcg tgacggcctg ttaa 234

<210> 11781
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 11781

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tgcaaccaac	aggaaggaaa	cgtatcggag	gtgattctcc	ctgattccct	acccctcgtc	120
catcagcccc	ctatcatgtt	aagcctcctg	acaaccctcc	cctgttggtt	gtatatctct	180
tctctcccgg	ctgtctggac	tgctcgtgcc	ttccggccca	gtaacaacct	cactgcgtag	240

<210> 11782

<211> 465

<212> DNA

<213> A.fumigatus

<400> 11782

atcgagtccg	tgttcaagat	cgtgaccacg	gtttactttt	ccagctttga	agggccacat	60
acgccacgag	gaggagaaa	gtacaacaaa	agcgtaacc	ttaacgactc	ttccttgatc	120
tatctttcgc	tcattctgctg	gaagaacagc	gctaagcgtc	acataccttc	aaacatggct	180
cctacaacca	ctaccaagac	caaggccggt	gaggaatctg	tacgttgctg	cccattggcc	240
atcgtaactg	ctgttgagtg	gccactgaca	tctcgacagc	cccaacccaa	ggagactgct	300
ccaccaaaaga	agctctcaga	gatgagcgaa	gtcatcgaca	aggccacctt	tgaccagatc	360
ttggagatgg	acgatgatga	agacatggat	ttcagcaagg	gcatcgtgta	tggatttttc	420
gatcaagccg	aaaccacggt	tgacaagatg	gacaaggctt	tgtaa		465

<210> 11783

<211> 303

<212> DNA

<213> A.fumigatus

<400> 11783

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aaaggatcgt	cagcgaccct	gggggttgaag	aagggtcaaag	atcactgtga	aaagatccag	120
cattacggtg	ccggtaaaaga	tgaaccgggc	actgtggacg	aaccgatga	ggagaaatcg	180
ctgcagaaca	tcaaggaaac	tctggctgaa	gtcaagaagg	actataaaga	agtagcgcag	240
ttctcccgca	gctattacgg	cgagacaaa	tctcccagg	tcacctcgcc	ctcctctaaa	300
tag						303

<210> 11784

<211> 1203

<212> DNA

<213> A.fumigatus

<400> 11784

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gccgacgggg	aaacgggcga	ggacgaatcg	tacggcctga	aaccgatgaa	ctgccccggc	120
cactgcctcc	tcttcaagtc	gcagaaccac	tcataatcg	aactgcctat	ccgctacgcc	180
gatttcagcc	ctctccaccg	taacgagatt	tcggggggcc	taagcgggct	taccgcgctc	240
cgacgattcc	accaagacga	tgggcatatc	ttttgccgac	cgcagcagat	caagggggag	300
attgcgtccg	cgctgggggt	cgctgatatg	gtgatgacaa	cgtttggtct	gggaccatac	360
cgtctcgtac	tctctactag	gccggagaag	gactttatcg	ggagcctgga	actgtgggac	420
agcgcgagg	cgcagctgcg	ggaagccttg	gacaacagcg	ggagggaatg	ggcgatgaac	480
gagggggacg	gggctttcta	cgggccgaag	attgacattc	aactgcagga	ccaggcaggg	540
aaatatcacc	aattatccac	gatccagctg	gacatgaatc	tgccacaacg	gttcggggtg	600
gagtaccaag	ttgcggagg	tgaagaggac	tacaaccgg	cgactccagg	aagagcgacg	660
cccgatctgg	ttcacccggc	caattttggg	tcgctggaac	gcttccttgc	cctgctcctc	720
gagcaatatg	ccggctcgctg	gccattctgg	ctctctccgc	gccaggggtat	cattctgacg	780
gtcaaccagg	acgaggcggt	ggtgcagcag	gcacaagaag	ctgctgcgaa	aatctctggc	840
taccgtccgc	ttgttgctgg	ccaggacaat	gcaacctctc	cgaagcctct	ttcatccgctc	900

gactccacgt	acctgatcga	tgtcgacacc	agcagccaga	ctctcgggaa	gaagatccaa	960
cgggccaac	agatgaagta	caatttgatt	ttcatcctcg	ggcctaagga	tgtcgcggac	1020
tcgagtatta	ctgtggatgt	gacaggtcaa	atgcagacca	aaacggatgt	gaatggacag	1080
aaattgaagg	aagtgcctgc	gacaagattg	ggggagaatg	ctctccagaa	cccacgggca	1140
gtgaggctaa	aggtcgacga	ggcccatgat	ctgttggtcc	agctggagaa	gcaatttggt	1200
tga						1203

<210> 11785
 <211> 420
 <212> DNA
 <213> A.fumigatus

<400> 11785	
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gggaaagctt	tggacacgag
catctcgaaa	ccgctactgt
cccacggtct	caatccagga
atggaggaaat	ttgctgaagc
cgcaaattac	tgaccatcgg
gacgagccga	caaggtatgc
ggtgtcatca	ccggggatat
atgttcaaca	gcaagatcta
gtgccctcct	gcgtcaacca
aagtgattcg	catgctgagg
aaggattgaa	cgtcaaacag
ccaagctact	tcttttcctc
taatggattt	ggtcaaataa
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	120
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	240
	300
	360
	420

<210> 11786
 <211> 792
 <212> DNA
 <213> A.fumigatus

<400> 11786	
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gatagcgggc	aagcgattct
ttcgatcagc	tactgtttct
gacaattctc	gcaccctact
ttagagaacc	ctgcggagta
caatattggg	atgatgtctg
gaccgcatac	acgaagaaag
gaatttgcca	tgcccttctg
tactggcgaa	tgccagcata
ttctcgggct	tctccttctt
tactccttgt	tctatggttg
ataaccacat	ccgctgtgtg
ttgttaccga	acgatcattg
aggccttctt	ga
gagttcatgg	gctatattgct
ctgtacaatc	caccagccaa
cgcaaaagggt	ggaaagactg
tgactacttc	gagtcgaacg
catgatcgaa	gtcgtcaacg
gaatcaaagt	cctgagagcc
gaaagccact	caccaagagg
gtttcagttg	tatgtcgttt
cattgcctcc	aaatgggggc
cgatgccaaa	gcttcgctgg
gcttcgctgg	cgggcatgca
ctctgtcttt	gcatctcttg
ttcagcagggt	aggatcccga
tttctagatc	atgcccttat
cagcaaggcg	tactcatgga
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	300
	360
	420
	480
	540
	600
	660
	720
	780
	792

<210> 11787
 <211> 768
 <212> DNA
 <213> A.fumigatus

<400> 11787	
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gggtactcat	ggaaggcctt
gtcatgggga	tcttcacctt
actgagcgac	aggggtctggt
ttcgcccaac	tggtgatgtc
cttctgttct	caatgatgct
ggcttctgga	tattcatgta
gccacgcaac	tccacgacag
ttgtacgagg	tgccggaacg
aatattgtgg	tggagctccc
tatttcccca	ttgtgggcgc
tgcattccaat	tctatgttta
ctgccagccc	cattgtcatc
aatccccatc	cgccctaccg
actgggttgg	aggcatgggc
cagaactctc	tatcttcgac
	60
	120
	180
	240
	300
	360
	420
	480

cccccgccaa	accaaacatg	ctacgagtag	atggcagaat	acatgaaact	cgccggtggc	540
caactccaga	atcccaatgc	tacctccgag	tgcaagttct	gctccttgac	tggtgaggac	600
cagtaccttg	cagggagcga	gattgaatgg	tcccagcgct	ggcgggaattt	cgggataatc	660
tgggcctatg	tcgtgtttta	catcttcatg	gcgacgggtcc	tgtactacct	tttccgagtt	720
aggaagtggg	acatcgcgag	cattaaggcg	aggttcggaa	ggaagtga		768

<210> 11788

<211> 450

<212> DNA

<213> A.fumigatus

<400> 11788

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tggatgaaaa	caatcccca	cgaaggcctg	attcattttc	gagatgtgtt	caaccgcagc	120
cacctcttgc	ctaccactca	ccaggctctt	ttggatatca	tgagcaccaa	cacttacgac	180
ttcgagaaac	catggcgcg	gcgcgagttc	ctcgctcgga	tcattggctt	cggttgatt	240
ttgtctgagg	gcgcgcgcga	taagaaacag	cgcaaggcct	tgactcctgc	cttcaacata	300
aagaacattc	gttcaactgta	ctccttgatg	tgggagaaga	ctggcctctt	tcttgatgaa	360
ttggaaaagg	agatccggca	gaatccaatg	gaaggaacca	gtccggagga	cggtgtgggt	420
aaggctcgaga	tgagcatgtg	ggcgaggtaa				450

<210> 11789

<211> 384

<212> DNA

<213> A.fumigatus

<400> 11789

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ctcgcgagc	tacctgaatc	cgcgcagaat	gccctcctga	accctctcgt	ccaaaaggca	120
cttacggctg	cgctgggtcta	cggtgccctg	cgacagacca	accgtttgct	gtcgcaatgg	180
tcgataaaca	actggcagcg	cgcacatcca	tggcaggggtg	atcgcgagct	cggtctgggt	240
tccggagggg	gcagcggcat	cggaagcag	atcatggaag	atctgtccag	gaaagggatc	300
cgggtagtta	ttttggatat	caatgagccc	aactttcagc	tacgtaagaa	tcatcagttc	360
cctttgggtat	gcgccataga	ctaa				384

<210> 11790

<211> 588

<212> DNA

<213> A.fumigatus

<400> 11790

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agagccgtag	ctgagaagat	tcgccagaaa	ctaggcgacc	ccactgtgct	ggtcaacaac	120
gccggcggtg	gctacgacgg	caccattctc	gatgagcccg	aggccaagat	ccggcagacg	180
ttcgaggtca	acaccatctc	gcattttcta	atggtgcgcg	agttcttgcc	cagcatgac	240
cgccagaacc	acggacatgt	tatcacaaat	gccagtatgg	ccagctttgt	tgcgttgggg	300
gagatgggtg	attactgctg	caccaaggcc	agtgcgctgg	ccttccacga	gggactgacg	360
caagagttgc	gatactggta	tcaggcgagg	aaagtctgca	ccagggtatga	ggctacattc	420
gatctgacag	gctttgggac	tgaccaaag	aagtgttatt	caccactttt	gggttcgtac	480
tccgatgac	caacagttga	ccgacgcggg	aaaccaattc	aagcagcccg	tgatgacacc	540
ccagggtgga	tcggatgcag	tgggtcaagca	gatacctcag	cagagtag		588

<210> 11791

<211> 642

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (128)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11791

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cccaatgnag	gacaggagga	ccttccatta	tcttaccgct	ttacgttcct	tggtatcttt	180
gcggttcccg	cgctgatoga	tatcactctc	ctcaccacca	tcggacgagg	cctgtatctc	240
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atggcctttc	ccgcgatgag	catgttcgtc	ttaaccgggt	tcattgctgg	tgtagcagtt	420
gtctctgtcg	gcgggtctctt	tgcatttatt	gggataggaa	ttgccaagg	ctttgtgtct	480
ggtgttgtct	tttccgcata	cctgggtgatg	ctgacgatat	atttgatgac	gctgtctgca	540
ttgtcaatct	atcagctccc	gggattccag	ttccagtcgg	taggtttttg	catgcacaga	600
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<210> 11792

<211> 2358

<212> DNA

<213> A.fumigatus

<400> 11792

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acagtactat	tgctcgggtg	gagacgtgta	attgccaaagt	ggaacaattg	gtatctccat	180
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gcgtctactg	atgatgccga	taaggaactg	gcatccactg	ccctggcccc	acagacattg	300
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atggacaagt	ggaccgcctt	gttcaccggc	gaaggactag	tcggactatc	ctccgcgtca	660
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tgtcaccctg	gcacagccga	cgcagttgag	ctgcattgtc	tccttgcaag	atctagcttg	2040
agtacttccc	tggcggtact	tgtaggccag	tacgccggag	cgatcgctgc	ccatgacgag	2100
gattttggac	ccaggtccga	tttccgcgac	tcaagctacg	atcaactaat	taccacgggtg	2160
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cccagtatc	agcgagaatt	gaactatatc	cttcgtgggc	agtcgctggg	gatctcttgg	2340
cctatcactt	ggattctg					2358

<210> 11793

<211> 825

<212> DNA

<213> A.fumigatus

<400> 11793

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ccttcgaaga	ctcatctgaa	agatttggac	gagtataaga	aactatacga	cgagtctatc	120
cgtagccctg	acacgttctg	ggcccgcatg	gcccgtagag	tgctcacttt	cgacaaagac	180
ttccaaacca	cgcacatcgg	gtcgtctgag	aatggagaca	atgcctgggt	cgtcgaagggt	240
cgcttgaatg	cctcggttcaa	ctgcgtggat	cgtcatgcca	tcaagaaccc	taataagggtc	300
gcatcatct	acgaggccga	tgagcctaata	gagggccgca	tcattaccta	cggcgagctc	360
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cgtatcggtg	ccattcactc	cgttgtcttc	gctggtttct	cctcggactc	cctgcgtgac	540
cgtgtccttg	atgctggatc	caaggctcgt	atcaccacgg	acgagggtaa	gcgtggtggc	600
aagggtgattg	gcaccaagcg	cattgtcgat	gaggccctca	agcagtgcc	cgatgtgacc	660
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<210> 11794

<211> 519

<212> DNA

<213> A.fumigatus

<400> 11794

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<210> 11795

<211> 318

<212> DNA

<213> A.fumigatus

<400> 11795

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<210> 11796
 <211> 990
 <212> DNA
 <213> A.fumigatus

<400> 11796						
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<210> 11797
 <211> 699
 <212> DNA
 <213> A.fumigatus

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<210> 11798
 <211> 1083
 <212> DNA
 <213> A.fumigatus

<400> 11798						
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<210> 11799

<211> 1227

<212> DNA

<213> A.fumigatus

<400> 11799

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<210> 11800

<211> 219

<212> DNA

<213> A.fumigatus

<400> 11800

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<210> 11801
 <211> 306
 <212> DNA
 <213> A.fumigatus

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<210> 11802
 <211> 1230
 <212> DNA
 <213> A.fumigatus

<400> 11802
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<210> 11803
 <211> 1389
 <212> DNA
 <213> A.fumigatus

<400> 11803
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<210> 11804

<211> 393

<212> DNA

<213> A.fumigatus

<400> 11804

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<210> 11805

<211> 1233

<212> DNA

<213> A.fumigatus

<400> 11805

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1233

<210> 11806

<211> 438

<212> DNA

<213> A.fumigatus

<400> 11806

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<210> 11807

<211> 819

<212> DNA

<213> A.fumigatus

<400> 11807

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<210> 11808

<211> 291

<212> DNA

<213> A.fumigatus

<400> 11808

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<210> 11809

<211> 441

<212> DNA

<213> A.fumigatus

<400> 11809

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<210> 11810

<211> 339

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (213), (281)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11810

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ggttggaaag ctgattcatt gacaccggct gtccttggtc cgttccaggc tatgcggaat 120
gggtcacagg gatacaatgc ctgcaccct gatcaggcca cgcccgcggc tgagtcttc 180
atgtgggagc attttaccac gaagccgtac ttncacgcgg acgcggacaa gccgcaccgc 240
ccactggaag agaatcggga gattttcacc ccattggccat nctgcttat tgtcgcgttc 300
cactcgtct tccctgaccc cgacatgacg agaaactga 339

```

<210> 11811

<211> 753

<212> DNA

<213> A.fumigatus

<400> 11811

```

gtgcgtttcc ggccagcccg cgctgggtgaa gacaagggca aagtgccttg ttctcagcga 60
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gaatttctcc cgtcaaagtc tcatcgacga gcagtacgct ttgcagatgg gagggttgag 180
atggacatcg atgccattgt tttctgtacc ggctacttgt actcatttcc ctctctatcg 240
tccctcgacc cgctgttat cggagacggc cgcaggacgc tgaataccta tcaacatctt 300
ttctacatct acaatccac cctcgtattc cctgtgcttc cccagagagt gattccgttc 360
ccgttatcgg aaaatcaagc ggcagtctat gcgcgtgttt ggtcagggcg cttactctg 420
ccatcaatag cagagatgaa acaatgggag gaatccactg tcgccactaa aggcgacagc 480
acaaaattcc atctgatgca ctttcccttg gatgctgatt atatgaactt cttcatgat 540
tgggcagata tggccgaaac acgccaaggt ctggccaata atggctatgg caagcaatgc 600
aattactggg gaatgaagca gaggtggatg agacagaagt tccccgagat tagaagggcc 660
ttcgttgaga agggcgagga gcgttacaat atcaaataca tcgcagaact tggttttgat 720
tttgatgagg attggaagca aaggcaagat tag 753

```

<210> 11812

<211> 267

<212> DNA

<213> A.fumigatus

<400> 11812

```

acgcgcata tgtggcgcaa gcggaaagcc gcttcaccgc caatttcaga ccctgcagac 60
aacttcagaa aaagaagggt gaaagtagtc tatgtcattt cctcaagcga cgacgagaac 120
gacgagaacg acgacagcac atctagcttg gacgaagacg aatggtacat taactgcac 180

```

cttgacgaaa ccgaatcaca ataccttatt gactgggagg gcccctggtc gccgacgtgg 240
gtgagttggg cgaagagtct gtcttga 267

<210> 11813

<211> 606

<212> DNA

<213> A.fumigatus

<400> 11813

agatcctcga	atcaagacgc	ctcaacatcg	ctgcccgcga	ttcatgcagc	cgaacatgct	60
gtgctctccc	tgctgcccac	cttcgtcatc	tgcgtgcccc	gcgacgtcaa	aacagagtgc	120
aaagtcgcaa	agaaggaact	cggcagaaac	ctgaagatcg	cgaacgagat	gcgcgatcaa	180
caaattaaag	agaacattag	gaaacttcag	ccccctgccc	ggcaacgacc	agcgcgcctc	240
accttctacg	atgccaaggg	cggctcatgc	ggctccggga	ttgcgagcaa	agcgttcgag	300
ttcgtcgacg	tcctacttcg	ccgcgcgggtg	gcgcgcacgc	aagcctgcga	gtgcgtcaca	360
ccgcaggggt	gtatggagtg	cgtttgcgat	gagagatgca	gagagttgaa	ttccgtgatg	420
agcaaggcgg	gggcccggcgt	cgtgctgcgg	tgtctgcttg	gttgggatgt	cgacatcgac	480
gccctgcctt	ggggggaaga	tgtcgagggc	gaagacggac	taagggaatt	ggcgggggga	540
ctggagacgg	tcaccccggc	gactgaagtg	ccgttgcgtc	gtcagtgccg	tagcgataac	600
gtgtga						606

<210> 11814

<211> 2889

<212> DNA

<213> A.fumigatus

<400> 11814

aaatccagat	cgacccaaac	atcaagaatc	caaaggggtga	tcaagagccc	atcacccaag	60
cgaaacctt	ccgcacactg	gccggaggcc	ttcaaaaagtt	tgtctcagat	ccaccgcgct	120
ttgaacctgg	tgtacacggt	ctgctgcacg	cgcaaacact	tcgccacgac	gttcgagaat	180
attcagaaaag	cggtagacgg	gcaattaggc	agcggtagtg	cactgaccgt	tgaagatatt	240
gcaaggggtga	gggttctgtt	tcctcgcgcg	gtgaaattcg	agtatgtgga	cgcgcccaag	300
ttggaagtta	tgacggtggg	ggagaaggag	acggcgagga	atcagtcctta	tggcctctca	360
catcctgaat	gcgatgggtc	tgatgttggt	gcggatgtgc	agtcgaaaga	ggtgttgctg	420
tttgagtttc	tggacgggga	tctgaagcgc	gaggtgcgac	atccgaaaaa	cggggagccc	480
acgaaaccgg	tgcggaagtt	gaaggatgag	gatctgaaaa	tgcctgttta	cagtcaaaag	540
cagatgcttg	ccttgattga	gaaacggaat	aagaaattct	ctgatgccat	cgatgcgttc	600
ctgggtgcagt	gcgaggacgg	cggcagcgat	ccagttgaga	gactggaaag	ggagaaggac	660
gcatggatcc	cgaatcctcc	tggttttgaa	gatgacagct	taaagacggc	gaagctcttc	720
tcgatgccgc	ctcccagat	tcccaaggag	cgcaaatcca	cggcagagat	cattgacgaa	780
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gcccattctg	ccgtctacgg	agacttgact	tttcaacttt	cgcaagacct	cgttaacgct	900
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ctcttctgtc	agttgatcct	cagaggcgcg	agggctcattg	ccttctgcag	gatcaggaaa	1680
atgtgcgagg	tactactcca	agccgtaagg	aacgagttcc	aggccatcgg	taggccagaa	1740

gttggaaagc	tcgtcatggg	ttaccggggc	ggctacagtc	cgcaagaccg	gcggaataatt	1800
gagagagaga	tggttcgaggg	ccatctactg	gggatcgctg	ctacgaacgc	cctcgaacta	1860
ggggtcgata	ttggctctct	cgatgctgta	atcactcttg	gcttccctta	ttctatctcc	1920
aacttgcgcc	agcaaagcgg	tcgagctgga	cgtcgaaaca	aggattcttt	gtctgtgttg	1980
gttggcgata	ggtttccggc	cgatcaatac	tacatgcaaa	atccagatga	actgttcaca	2040
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caatgcgcag	cgttcgagat	gccgatccgg	ccggacgagg	atcatgtcta	tttcggaaag	2160
cagctgcatg	agatagcggc	catgagactc	gtgagagaca	gctttgggtt	ctaccattgt	2220
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tggagcacga	tgcagcgcga	ctacactgac	attgaccca	ttgaaacaga	agtgatgcgg	2520
cagatcaatc	aaagctctgc	ctctcgcgca	ttctatggct	cgggtgcagat	ccacgcagtc	2580
gtgtatggct	tctttaaaat	tgacaagcgt	ggccgcgtgc	tggatgccgt	ggcgggtggac	2640
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gagatcctcg	aatcaagacg	cctcaacatc	gctgcccgc	attcatgcag	ccgaacatgc	2760
tgtgctctcc	ctgctgcca	ccttcgtcat	ctcgtcgccc	ggcgacgtca	aaacagagtg	2820
caaagtcgca	aagaaggaac	tgggcagaaa	cctgaagatc	ggaacgaga	tgcgcgatca	2880
acaaattaa						2889

<210> 11815

<211> 543

<212> DNA

<213> A.fumigatus

<400> 11815

tgctccgcac	gcgggcgggc	agggcccttg	gcgaaattgc	ggaagccatc	ggcgaagggc	60
tccatgtggt	tgaaggactg	cacgtccgtt	tcctcctggg	aggcgtccat	gcgaccgggg	120
acgaacggca	ccttgatcgg	gtggccggcg	tcctgcgcgg	ccttctcgac	ggccgcgcag	180
ccggccagga	cgatgagatc	agcgagcgag	accttcttgc	tgctgcgcgg	ggcgttgaag	240
cgcgattgga	cagcctccaa	cgcgagagag	gcctcgcgca	gccagggttg	gttgttgacc	300
tcccagtcgc	gctgcggggc	cagacggatg	cgtgcgcctg	tggcaccccc	gcgcttgctg	360
ctgccacgga	aggtggaggc	ggcgcccgag	gcggtggaga	tgaagcttct	tggaggcaca	420
ccggaggcga	ggatctcgtc	cttgagcgcg	gcaatgtcgg	acgcgtcgac	gagtggtggg	480
ttgacggcgg	ggatggggtc	ctgccagatc	agaacctcgc	tggggacctc	cgggccgagg	540
tag						543

<210> 11816

<211> 1404

<212> DNA

<213> A.fumigatus

<400> 11816

gaacaaactc	gccgttcccc	acgtcccttc	agggggtggt	catgtccagc	aggtgaacaa	60
agaagtcggt	cgtcagagct	ccagacggga	ggtgaagacg	ccgtgcgtgg	agccgtcgta	120
gttgggtggt	agcaccgcga	gaccgccaac	caggacggtc	atctcgggcg	cagacaggtt	180
cagcagctgc	gccttgctga	cgaggtagtg	ctccgcacgc	gggcgggcag	ggcccttggc	240
gaaattgcgg	aagccatcgg	cgaagggtc	catgtggttg	aaggactgca	cgtccgtttc	300
ctcctgggag	gcgtccatgc	gaccggggac	gaacggcacc	ttgatcgggt	ggccggcgtc	360
ctgcgcggcc	ttctcgacgg	ccgcgcagcc	ggccaggacg	atgagatcag	cgagcgagac	420
cttcttgctg	tgcgcgcggg	cgttgaagcg	gcattggaca	gcctccaacg	cggagagggc	480
ctcgcgcagc	caggggttgg	tgttgacctc	ccagtcgcgc	tgcggggcca	gacggatgcg	540
tgcgcgcgtt	gcacccccgc	gcttgctcgt	gccacggaag	gtggaggcgg	cggcccaggc	600
ggtggagatg	aagcttcttg	gaggcacacc	ggaggcgagg	atctcgtcct	tgagcgcggc	660
aatgtcggac	gcgtcgacga	gtggatgggt	gacggcgggg	atggggtcct	gccagatcag	720

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aacctcgctg gggacctccg ggccgaggta gcgggcgcg gggcccatgt cccggtgggt 780
gagcttgaac caggcgcggg cgaaggcgtc ggcgaactgg tccggatgct cgaggaagcg 840
gcgggcgatc ttctcgtagg cgggatcgaa gcggagcgac aagtcggtgg tgagcatggt 900
gggcttgtgc ttcttgagg catcgtaggc gtcgggaatg atctcgtcag cgttcttggc 960
aaccactgg tgggcgcgg cgggactctt ggtgagctcc cactcgaact tgaacaggta 1020
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cgtgatggtg tggggaccct tgccggagcc gtgcttgttc gccagccga gaccctgggc 1140
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gcggccaaag gtgtcccga tatcgtagc ggccgcgacg ggatcgggtg taccatcggg 1320
accctcggg ttgacatata tcagacccat gtgggcggcg gccaaaagag tctccagctc 1380
acgcgagtgg gtggtcttgt gtga 1404

```

<210> 11817

<211> 261

<212> DNA

<213> A.fumigatus

<400> 11817

```

tccagaaaac cccttggcgt accgcgcgtc gttgcccagc caggtattct ctctccccca 60
gtaggtggct tgcgtcgctt cccaggtggt tggacggctt ccagcgaagc caaaggtctt 120
gaaacccatg gactccaggc cgacgttacc ggtgaggatc aggagatcgg cccacgagat 180
cttggtgccg tacttttgc tgatgggcca gagcagacga cgagctttgt ccagactgac 240
attgtcgggc cagctgttta a 261

```

<210> 11818

<211> 201

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1), (39), (40)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11818

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nttgattttc tctttcctgt ctctgctctt gtcgtaaann aagaactaga agactataat 60
cgattcgcaa gctatcctaa cccaggtcat attgggcatt tatacacagc atatgccctt 120
atcaagaaga gctgctggta tttaatcgga caacggcgcg aggcgagaag acgagcaaag 180
cggggtagcc tgatggaatg a 201

```

<210> 11819

<211> 540

<212> DNA

<213> A.fumigatus

<400> 11819

```

cgagatcatt cccgacgcct acgatgcctc caagaagcac aagcccacca tgctcaccac 60
cgacttgctg ctccgcttcg atcccgcta cgagaagatc gcccgccgct tcctcgagca 120
tccggaccag ttccgcgacg ccttcgcccg cgcttggttc aagctcacc accgggacat 180
gggccccgcg gccgctacc tcggcccga ggtccccagc gaggttctga tctggcagga 240
ccccatcccc gccgtcaacc atccactcgt cgacgcgtcc gacattgccc cgctcaagga 300
cgagatcctc gcctccggtg tgccccaag aagcttcctc tccaccgcct gggccgcgcg 360
ctccaccttc cgtggcagcg acaagcgcg ggtgccaac ggcgcacgca tccgtctggc 420
ccgcgagcgc gactgggagg tcaacaacca accctggctg cgcgaggccc tctccgcgtt 480
ggaggtgtc caatcgcgct tcaacgcccg cggcgacagc aagaaggtct cgctcgctga 540

```


<210> 11820
 <211> 2001
 <212> DNA
 <213> A.fumigatus

<400> 11820
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 tttgctggtg gcggcaccag caacaaggac tgggtggcgg accggctgaa gctcaacatc 120
 ctacgccagc acacggccgt ctccaacccg ctggacgctg actttgacta tgccgcccgc 180
 ttcaacagcc togactatga gggcctgaag aaggatcttc gtgccttgat gaccgactcg 240
 caggactggt ggcccgcga ctttggtcac tatggaggtc tcttcatccg gatggcctgg 300
 cacagcgccg gaacctaccg tgtgtttgac ggtcgtggcg gtgccggtca gggccagcag 360
 cggtttgccc ccttaaacag ctggcccgcac aatgtcagtc tggacaaagc tcgtcgtctg 420
 ctctggccca tcaagcaaaa gtacggcaac aagatctcgt gggccgatct cctgatcctc 480
 accggtaacg tcgccctgga gtccatgggt ttcaagacct ttggcttcgc tgggaagccgt 540
 ccaaacacct gggaagcgga cgaagccacc tactggggac gagagaatac ctggctgggc 600
 aacgacgcgc ggtacgcaa ggggttttct ggatcagaca agcgcggctc ccttattgca 660
 gacgaggagt cacacaagac caccactcgt cgtgagctgg agactctttt ggccgcccgc 720
 cacatgggtc tgatatatgt caaccggag ggtcccgatg gtaaccccga tcccgtcgcg 780
 gccgtcacg atatccggga cacctttggc cgcattggta tgaacgacga ggagacggtc 840
 gccctcatcg ctggtggcca cacctttggc aagaccacg gtgctgcccc tgcggacaac 900
 gtcggcaaaag agcccgaagc cgccggcctg gaagcccagg gtctcggctg ggccaacaag 960
 cacggctccg gcaagggtcc ccacaccatc acgagcggcc tggaggtgac ctggaccaag 1020
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 accaagagtc ccgccggcgc ccaccagtgg gttgccaa gaagcgtgacga gatcattccc 1140
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 cgcttcgatc ccgcctacga gaagatcgcc cgccgcttcc tcgagcatcc ggaccagtcc 1260
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 gtcaaccatc cactcgtcga cgcgtccgac attgcgcgcg tcaaggacga gatcctcgcc 1440
 tccggtgtgc ctccaagaag cttcatctcc accgcctggg ccgcgcctc caccttcctg 1500
 ggcagcgaca agcgcggggg tgccaacggc gcacgcaccc gtctggcccc gcagcgcgac 1560
 tgggaggtca acaaccaacc ctggctgcgc gaggccctct ccgcgttggg ggctgtccaa 1620
 tcgcgcttca acgcccgcgc cgacagcaag aaggtctcgc tcgctgatct catcgtcctg 1680
 gccggtgcg cggcgtcga gaaggccgcg caggacgcgc gccaccgat caaggtgccc 1740
 ttctgccccg gtgcgatgga cgcctcccag gaggaaacgg acgtgcagtc cttcaaccac 1800
 atggagccct tcgcccagtg cttccgcaat ttccgcaagg gccctgcccg cccgcgtgcg 1860
 gagcactacc tcgtcgacaa ggcgagctg ctgaacctgt ctgcgcccga gatgaccgtc 1920
 ctggttggcg gtctgcgggt gctcaacacc aactacgacg gctccacgca cggcgtcttc 1980
 acctcccgtc tggagctctg a 2001

<210> 11821
 <211> 537
 <212> DNA
 <213> A.fumigatus

<400> 11821
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 gggccgcgc ctccaccttc cgtggcagcg acaagcgcgg ggggtccaac ggcgcacgca 180
 tccgtctggc cccgcagcgc gactgggagg tcaacaacca accctggctg cgcgaggccc 240
 tctccgcgtt ggaggtgct caatcgctc tcaacgcccg cggcgacagc aagaaggctc 300
 cgctgcctga tctcatcgtc ctggccggct gcgcggcgt cgagaaggcc gcgcaggacg 360
 ccggccaccc gatcaagggt ccgttcgtcc ccggtcgcac ggacgcctcc caggaggaaa 420
 cggacgtgca gtccttcaac cacatggagc ctttcgccga tggcttcgc aatttcgcca 480

agggccctgc cgcgccgcgt gcggagcact acctcgtcga caaggcgag ctgctga

537

<210> 11822

<211> 477

<212> DNA

<213> A.fumigatus

<400> 11822

agcatagagc	aatgtcggtc	accgccatat	ccgtgcaggt	ggcccgcag	accggcccag	60
tcttcttcca	gcctcagcaa	cgcgcatagt	tctcttcctg	gacacctccc	accgcagcat	120
ccgttttctt	cttttggttt	ctacgatagt	cccaccccg	cgttttgttc	tccgcacttt	180
gtctttccgg	ataccaccct	ggatcttgcc	tcgtttgctc	ccgaccgctc	agtctccgac	240
accgacccat	ctgcctttgt	gcctctaccc	cccgatctcg	ccagcttcgg	tgatctggat	300
tatgcaagtc	tgcccacggg	gacttccagt	tcgccgtacg	cgcccgatcc	gtttgatgtg	360
acggcaattt	cgactcccgc	tggtgatgtg	aaggactctc	tgccgtgttt	ggacattgat	420
tcctcaggca	ccgattcagg	tctgtctgct	tcagccttca	cacaagcatt	gtactga	477

<210> 11823

<211> 429

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (324)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11823

cggtcccaca	tgagtagagc	atggagctcg	ccccctgcac	cggtctgcacc	gggctcgacc	60
ggccagacgc	acccatggga	taccactcaa	aacgatgagg	aggacgtcga	cgatgtcgcg	120
acgaagtggg	tcattggagga	cgccagccac	gactgggata	tgctgagggg	cctgctgaac	180
gcaatgcgct	tggtggacga	cgcacacgtg	caggcgctgc	tggggatggg	ccgcgccgac	240
tgccgcatcg	aggaagtga	gctgttcgtc	cagaagacgt	tgaatgatgt	gcaggatgcc	300
ggtcgcggcg	gggagaccgt	caancgggtg	cacgacatgc	ggatgcgggt	gcgcatcgag	360
agcggcgacc	cgccgttcgg	cccccaggtc	atggatattc	actatctgtg	ccatgtggcg	420
ccgtacagg						429

<210> 11824

<211> 387

<212> DNA

<213> A.fumigatus

<400> 11824

ttcctcaggc	accgattcag	gtctgtctgc	ttcagccttc	acacaagcat	tgtactgata	60
tcagcagaca	cacaaatcaa	cccaggccaa	atccacacgt	tgactccacc	tctgtctcatg	120
ccgcctcga	gacctcagcg	cggtgtccatc	tctgcagcat	cgactgcgaa	ggacaaccgg	180
cccaaggaga	cgccgaaccg	ggtcttgaag	cgtcagctca	atacccttgc	tgccgcgccga	240
tatcgccagc	gacgggtgga	ccggatgaac	gagctggagg	cggaactgga	gaaggtgaag	300
cgggagcggg	acgagttgaa	gatgcgggtg	tcgaagctag	agggggagac	ggaggcattg	360
agggggttgt	tgaagaaaga	caagtaa				387

<210> 11825

<211> 312

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (75)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11825

atatccatga cctggggggcg gaacggcgggg tcgcccgtct cgatgcgcac ccgcatccgc	60
atgtcgtgca accgnttgac ggtctccccg ccgcgaccgg catcctgcac atcattcaac	120
gtcttctgga cgaacagctt cacttcctcg atcgcgagc cggcgcgag catccccagc	180
agcgctgca cgtgtgcgtc gtccaccaag cgcattgcgt tcagcaggtc cctcagcaga	240
tcccagtcgt ggctggcgtc ctccatgacc aacttcgctc cgacatcgtc gacgtcctcc	300
tcacgttttt ga	312

<210> 11826

<211> 201

<212> DNA

<213> A.fumigatus

<400> 11826

acaaaactga ccagtcatca actaaattac ttgtctttct tcaacaaccc cctcaatgcc	60
tccgtctccc cctctagctt cgacaccgc atcttcaact cgtcccgtc ccgcttcacc	120
ttctccagtt ccgcctccag ctcgcttcac cggctccacc gtcgctggcg atatcggcgc	180
gcagcaaggg tattgagctg a	201

<210> 11827

<211> 429

<212> DNA

<213> A.fumigatus

<400> 11827

gaggccttaa acttcatact tcccgtatac gacatcacgt tggagaagct ggcgtacgaa	60
cttgctgaaa ctcatatcga cggtaagcc tgctttgtcc cggttgcgaa ggtcctcgtc	120
ggagaacctt atttacacgg tgcattgggt gttgccgttg actcgagtcg ccgctgccta	180
gacttggtgg gttggaggaa ttcgacattg agattgagaa ctgggggtgc gaagcgctta	240
ttgctggcga cgcgcgagag ggattttcag agcccgtgga atttacctct ggatgacctg	300
ctcttcgata ggtgccagat tgaagacgac tatgctactt cgtgtgtggt ggtggctgac	360
cgcgcagact acgatacctt ttgcgttcac tcaacgacga gtagatcagg agtggaagtt	420
gtgacgtaa	429

<210> 11828

<211> 345

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (243)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11828

ggcggtttt ccccgggcg cttcgaaagaa gaaatagact cgggttcaga gggttttgtg	60
gcaagcgtac caggagatgc ttcgctagat gccctccat tctggcgag ttcttgctca	120
tccaagtatt tgaccaaagg ggaacactgc tggcgatggc attccccat tgcatacccc	180
cgtttgtcaa tagcaaccaa atcttcaaga ggggtgaa cttccagggg tgctggacct	240
tcngaaggag cagcagcagc catgtctgta tcgaccactt cagctgggtc atctggctct	300
tcacaggag ttctagttac aggagaaacc tcgccgttg actga	345

<210> 11829
 <211> 426
 <212> DNA
 <213> *A.fumigatus*

<400> 11829
 agtatatgtg aggtacgtgt gccatcggaa gactcactag tgtcgggaagc cacggattca 60
 cgggtctgaaa ccaaagagga ctggggcaaa tcagcatact tctgccggag ctccctccgct 120
 gtcaaaccct catcatcgtc aacttcgtct tcatcctcgg tttccgaatc cgtagaggac 180
 atgttgcttt cgtcctcttc cgcacgctg gttgttgcat ccgttccact ctcttcagca 240
 tctgttgaat caaggaaatc gctgccagtc tctccaagaa tttccagacg tctcttctcg 300
 aacagcatgg tagattgttt gattgcgcga tctagagccc gctgggtcctc cactttccgc 360
 tcttctctcc agcgtgctag acgcatccga tcaacctcgg cccggggccaa gtcgaacatt 420
 ttctga 426

<210> 11830
 <211> 2457
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (5), (1599)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11830
 cgccntcgag ccccccgggtga agactctact tcagccccta atgaccctac ttcgcacaac 60
 gcacgatcga agcgggtccca ctcgaaatgtc acttcaacgc cgacaatcgg aatcgatgag 120
 ctatggaatg atatcggggg tgagactgac ttaggagacg aacagggtca gcgggtgccg 180
 aggttgcgaa ttaaagtcaa gaagcctgtt attggatttc agcatccttc ccatgtgatt 240
 cctcccggga aatataattc tttcagggaa tggcttgaga gcgggggaagg cagaatagaa 300
 gatggtgcag tgcttacacc cgaggcagca ctcgtggaag ctcggaagag atgtcgagtc 360
 ttggaagcca cagagcctgg cgggtcttctg agccctgaag tatgttccgc ctacttacca 420
 gagcaacagg aagaaccacc gcaacaatat tcgcaccaag accacctcgt cgctcatgcc 480
 ttgtacttca agaagcttct tgaccaggag caccggcgcc atcgcaatac agcgagactt 540
 ctgtctcagt ggtgtgctga tgcgtggagg aagcgcaata agcgcccaga ggatattctt 600
 agagaacaac aggaagaggt gcgcgttaag cgcaagcaac tggctagga tcttcagaaa 660
 atgttcgact tggcccgggc ggaggttgat cggatgcgtc tagcacgctg ggaggaagag 720
 cggaaagtgg aggaccagcg ggctctagat cgcgcaatca aacaatctac catgctgttc 780
 gagaagagac gtctggaaat tcttggagag actggcagcg atttccttga ttcaacagat 840
 gctgaagaga gtggaacgga tgcaacaacc agcgatgcgg aagaggacga aagcaacatg 900
 tcctctacgg attcggaaac cgaggatgaa gacgaagtgt acgatgatga gggtttgaca 960
 gcggaggagc tccggcagaa gtatgctgat ttgccccagt cctctttggt ttcagaccgt 1020
 gaatccgtgg cttccgacac tagtgagtct tccgatggca cacgtacctc acatatactt 1080
 cagaatatag aggacatcaa cgactctcag ggcgaaacgc cgctggagca gattgaactg 1140
 gacgaagtcg atccaatgct cctcgacgat agcgaagacg aatctacgga tatggatgat 1200
 gatatgggag atagtgatga ggatggagat gccgacggca cagactcaga tgacgaaagc 1260
 gatgatgggc cggggctatt aggattcttc tcatcaaaaag atcgcgtgtt gaatgatgct 1320
 catcgctttg acgatgaagg tgatgatcct ttagctgttt cgaatcatga aggtggctct 1380
 ggtttccacg atgacgggca atctgtttca gtcgatgagg acggcgatga ggaactggag 1440
 gatgcagatg aagtttccct ggttccgaat ggtccatcga actcggtttc tatctctcag 1500
 tcaacgggag aggtttctcc tgtaactgaa actcctgatg aagagccaga tgaccagct 1560
 gaagtggctg atacagacat ggctgctgct gctccttcng aaggtccagc acccctggaa 1620
 gcttcagccc ctcttgaaaga tttggttgct attgacaaac ggggtgatgc aatgggggaa 1680
 tgccatcgcc agcagtgctc ccctttggct aataacttgg atgagcaaga actccgccag 1740

aatggagggg	catctagcga	agcatctcct	ggtacgcttg	ccacaaaacc	ctctgaaccc	1800
gagtcctat	cttctttcga	agcgcccggg	gaaaagccgc	ctcagccaag	tgaatcccc	1860
gctcctgggt	tgaagacgcc	gataccgcat	ctactccggg	gaactctgcg	agagtatcag	1920
cattatgggt	tggactggct	tgctggactc	tacaacaacc	acatcaatgg	tattcttgcc	1980
gatgaaatgg	gtcttggcaa	gactattcag	acaattgctt	tacttgcaca	cctggccgtg	2040
gaacatgagg	tttgggggtc	acatttggtt	gtcgttccaa	cgagtgtgat	tctcaattgg	2100
gagatggaat	tcaagaaatg	gtgtcctggt	ttcaagataa	tgacttacta	tggcagcata	2160
gaggaacgca	gacagaagcg	caaggggttg	accgacgata	cgagctggaa	tgtattgatc	2220
acttcttatt	aactggtgct	gcaggaccag	caggtcctga	aacgaaggaa	ttggcattat	2280
atggttcttg	atgaagctca	taacatcaag	aacttcgcgt	ctcgaaagtg	gcagaaactg	2340
ctcactttta	agaaccgcgc	acgggtactt	ccttacaagt	tacaccgcct	ccaaaaacaa	2400
tctcaccgaa	actatgggtc	cctcctcctc	cttcttggat	gcctcctga	ttggtga	2457

<210> 11831

<211> 885

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (830)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11831

gtttccgctc	ccatgcgagg	ttccactcta	gccgatgcta	aaccgatggc	cgtcggacca	60
tactcaccaa	atgcctgtgc	gctctgccgc	agtcagaaga	gaagatgcga	taagacgcta	120
ccgtcctgca	gtcgatgcat	caagtctgag	ttctccgcat	cttccctttg	cctttctggt	180
actgacaccc	aaaaaagatc	aaagctatcg	tgcgactatg	cgtggaatgc	gacacgaact	240
gaggggcttc	cccagagtgtc	gctgtctgat	ttcctcctct	tccatgtgcc	ggtcactcag	300
gatcaattgt	ggctccccgg	cagctttcag	gccttacagc	cccattggga	caatatcagt	360
ttccgacgcg	tagatattga	caactacttt	gtcgggtctg	ccatggcaac	gctgacggag	420
cagtgtgttt	ccgtggagag	aatgctcgag	gagtaacttt	gcaatatcca	tccgtggttc	480
tctgtaatca	tagagccagg	ttttcgaaaa	cggctgtcta	acctgcatcg	cgagccttgc	540
gcagagactg	caatgtcctt	tttagctgta	tccttggtta	ctggctcaca	tgatcgatcg	600
agcaacgatt	ctcaccggac	caggatctac	cagattggca	aatacctctt	ctcctttctg	660
cagctccaaa	gggaaccttc	attggagatg	gtgccgagtg	ggttggtgct	ggtattgtac	720
gagctgcgag	cttcccgctc	caacgaggcc	tctgtgagcg	ttgggaactg	cgcgaggctg	780
ggatacactc	tccgcttgaa	tattgatcat	cccaacaggg	gggaaacggg	ccgtggatgg	840
aatccgagga	acgacgcaga	gtatggtgcg	gactatacat	gtag		885

<210> 11832

<211> 648

<212> DNA

<213> A.fumigatus

<400> 11832

gattctattc	gtactcttag	taacatgtgg	atgacagcca	ttgtcgtcga	aggcaaaacc	60
ttcgccctta	atggctacaa	tgtttcctac	cggttccacg	ttgacgagag	caccgggtgac	120
ttgcgctccg	atcacttcgg	cggcagcgtc	agtggaccta	ttcccgatga	ttcagctccc	180
ataatgaatg	ggtggaccgg	tatgcctgac	cgcgttcgcc	gcgagttccc	ggaccaaggg	240
cggggagatt	ttcgaatccc	tgccattcgc	atccgccagt	cgcagggaca	tactgtttca	300
gcttttcggg	atgattcgca	taccgtgttg	aagggcaagc	ctgcgctggc	tggcttgcca	360
gcaacgtttg	gcacagagga	ggatgtctcg	acgctggtgg	tgcatTTgta	tgaccaacat	420
agcgagggtg	cggcggatct	aatgtactcc	atattcccaa	agcacgatgc	cattgtccgg	480
agtgtgcgca	tcacgaacaa	gggggagggt	acaatctcaa	ttgaggcgct	gtctagtatg	540
agtgtggatt	taccatgcga	ggactttgat	atgattggcc	tcagagggga	ctgggcaaga	600

gaagcgcacg gccagaggcg caaggtggac tatggaatac aggggtaa

648

<210> 11833

<211> 903

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (896), (897), (898)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11833

gccatcaata	cagtcgacag	gacgagactt	ttcactgagc	tcgacagatt	tgggagtaca	60
acaggcttct	cgtcccactt	gcacaacccc	ttcgtcgccc	tggcgcacgc	ctctactacc	120
gagtcaccacg	gtgaggcatg	gggattctca	ctggctctaca	ccggctcctt	tgctgccaat	180
attgaaaaag	gctcgcaggg	attgacacgt	gtatccatgg	gtttccatcc	aaaccagcta	240
tcctggccct	tggctccggg	ggaaaccttc	acgtctcccg	agtgcgtatc	ggtatatcca	300
aaagacgggc	taggaggcat	gtcgcgctct	ctgcatcgcc	tgtaccgcaa	tcacctgatg	360
aaaagcaagt	ttgctgcgga	caaccgaccc	gtcttactga	acagctggga	ggggttgat	420
ttcgacatca	acgaggagaa	catgcaccgc	atggcacagg	aatccgctgc	tttgggtgta	480
aagctcttcg	tcattggacga	cgggtgggtt	ggcgacaaat	accctcgcgt	ctccgactca	540
gcgggtctag	gcgactgggt	tcccaaccca	acccgatttc	ctaattgggt	cgcgcgcgtc	600
gtgaaagcca	ttacctcctt	gaaagtgcgc	aagtcgccag	aaaatcttcg	ctttggtatc	660
tgggttgagc	cggagatggg	aaaccacag	tcaagcctat	accacgaaca	cccggactgg	720
gtcctccacg	caggctcata	cccacgcacc	gaacaacgca	accagctcgt	cctgaatctc	780
gcgctacccg	aagtacaaga	gtttatcatc	gacgccatca	ccaacatcct	caacagcgca	840
gacatcagct	atgtaaaatg	gtcttcacca	cggggctgga	aggagccgct	ccaggnnta	900
taa						903

<210> 11834

<211> 195

<212> DNA

<213> A.fumigatus

<400> 11834

ttgcggtaca	ggcgatgcag	agagcgcgac	atgcctccta	gaccgtcttt	tgaatatacc	60
gatacgcact	cgggagacgt	gaagggttcc	cccggagcca	agggccagga	tagctggttt	120
ggatggaac	ccatggatac	acgtgtcaat	ccctgcgagc	ctttttcaat	attggcagca	180
aaggagccgg	tgtag					195

<210> 11835

<211> 615

<212> DNA

<213> A.fumigatus

<400> 11835

ttttgggaag	aggtcatgcc	ggaaaacccc	aacactccgg	ttccggagct	gctcgaccag	60
actttcactt	ctgtggacca	gcagctggag	aagctgccgt	tgaaaaacag	cgggtgtacc	120
gcagtcattg	ctcttctacg	ctgggaggac	agagtcccta	gctctcattc	cgtgaccggc	180
tctgcagcat	tggctccagc	cgtgtcgc	gccgcgcgcg	aacccaattc	ggaagctgac	240
aacaccccaa	cccaatcagc	acctgtatct	gtgctcccaa	cattgcaaga	gaaagcctcc	300
cgtcaacgag	ttctctatac	tgcgaatggt	ggcgacgctc	gcatcatctt	atgtcgcaac	360
ggtaaaagcg	tacgattatc	ttacgaccac	aaaggcagtg	acgaaaatga	ggggaaacgg	420
attgccaacg	cgggaggatt	gatactccac	aacagagtaa	acggagtcct	tgcggtcacg	480
cgagctctag	gtgatgccta	tctcaaagat	cttgtgactg	gccaccgcta	tactacagag	540

acagtcatac tacccgacca cgatgagttt atcattctgg cctgcgacgg ggtgagcatt 600
ctatctcttt actag 615

<210> 11836
<211> 918
<212> DNA
<213> A.fumigatus

<400> 11836
tcttctttcc ttcccaaagg gctacctatc aagctggcag gtaataagag aagaagtttt 60
tctagccagg gtgggttgct gaacagaatg ttcagtggct cctcgagccc acccaaagat 120
aaactagaaa caattccaca ctcgagggcc atcactaccc cgtccctgac cgtcaagacc 180
gacgaagcta ccgtatctca gaagaaattt tctcctccca gtggattctt tggtcgcaga 240
gcgagcgacg aaccagtcg tggcgggcag aagaagagga gaagcagtac cgtcaccaaa 300
gcagcgacat tgttctccaa cgccaaaaac tcattaagtt ggagcaactc tcgtgaaacc 360
gctgcaaccc ttaccgtggc tcaactcgcca cctacttcgt tacacaaact tgggagaatg 420
gatccggcat tgattgtccc tcaagggtcg ttgaacaatt ctgccggtga atcattaccc 480
accccgcgct catcattcag agttgggtgc acagaggacc ggaaccgaag atgtcgtcgg 540
actatggaag atactcatgc atacctctac aacttcttgg ggacgcccgc accctctggc 600
cgggctgatg tcaatggcag aaggcagtcg ggtgatgtct cgccttctgc tgcagaagag 660
accagcgtcg tcgaaactga taacgggtat ttgcgatct tcgacgggca tgctggcaca 720
ttcgctgccg aatgggtgcg gaagaaacta catctaattt tgggaagagg tcatgccgga 780
aaaccccaac actccggttc cggagctgct cgaccagact ttcacttctg tggaccagca 840
gctggagaag ctgccgttga aaaacagcgg gtgtaccgca gtcattgctc ttctacgctg 900
ggaggacaga gtccctag 918

<210> 11837
<211> 213
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (3)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11837
aanaccgatc ggttcggacc gcgggggttg acgacctcct tgaaggggat tgtggtcaac 60
ccgaatcacc atgcaagagg gttaatcagt ggtgaagcga gcaaggccat gatcaaccag 120
cattttggag gcttcgtgag catccggtat attcggtatc agatctaccg tttcttggtc 180
accacatacg tcccacaact gtcaaaacat tag 213

<210> 11838
<211> 195
<212> DNA
<213> A.fumigatus

<400> 11838
gcactgctct tgtgcatctt gcataagcaa gtcataata gttatgtgat tctctatggc 60
tactcttctt gcctcgtatc ttatcagctt gcctggccgc caatgggtcta cacgaacggc 120
ctctcagagt ttactttcct cgtagcagtt gactcctttc ctgagtttgt ccacgtccac 180
gtagcatgg atgag 195

<210> 11839
<211> 636
<212> DNA

<213> A.fumigatus

<400> 11839

aagaaaattc	atcagcttgg	actggaactc	catcagcgag	aattgcttgc	tatgagctat	60
gaaatgctcc	aacaaatcag	tcttcgctgt	ttcaacgact	tgcggactgt	tttcctcgtt	120
catgacaagc	gcatgctagg	cctcgtcctc	gaagagctgg	attcccttgt	ctcgcgcaac	180
gtgatttcat	tgcaccaagc	taatatcctc	aacaggggac	tcgccacac	gattatcccc	240
ggatcgacta	agctggagaa	ctttattgta	acttgtaaat	cagataccct	gttcaaggac	300
aagcatatgc	tcaagccagt	tcgtagcggc	aagggcaagg	gcatcttgtt	cggatgatcaa	360
atcagccagg	atgagtggct	ctctattcct	cagggtatgc	gagaccctgt	tttggagaat	420
gggaaaacga	catacgttgt	tcaaacacaa	attcagcaac	gacgatatga	tgttctgctt	480
gaagaaggga	aagggattgg	gaactttcct	ctcattggaa	cattccatat	cacacatggg	540
gtattccttg	gtcttggcct	ttggcgcagt	ggccccggtc	gtatctgtgc	cctaagtcgt	600
ggaggatcat	ggttgtgcac	cgtgatccaa	cagtaa			636

<210> 11840

<211> 399

<212> DNA

<213> A.fumigatus

<400> 11840

gttagacatt	atcaacaccc	tggacaccga	gaaaaagttt	gccatcctgc	gttgctactc	60
atcatcatgg	aagtccaagt	ccccacaaaa	agcctggcct	ctctgcccac	catcgacttc	120
gaagctatcg	ccaacaagga	tgtgacagaa	attcaaaagc	tcgttcaggc	aggccggacc	180
cagggcatgt	tttatctgaa	cctccaaggc	cctcggacaa	acggagtctt	tgatgatatt	240
cccaccttat	ttaaagccgg	gaacgccttt	ttcagctctc	ctgctgattg	cgaagagaag	300
accaaagccc	ttcgaacggg	ggtggagcgc	gggtactacc	gatcctgccc	agcttttagt	360
tcatatttgc	taatgaatcg	tcagttacca	ccccagtaa			399

<210> 11841

<211> 576

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (503), (537), (569)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11841

attcctcgcg	atgagtacgc	tgctggaagc	tgggagttac	atgcaaccct	acaaccggaa	60
caagagcgca	tcgcacgaac	aatggaaacc	ttccatggcg	ccttgcaaat	agttctggct	120
gaacttttgcg	ccagtgtcgg	catcactatt	cccgaattga	gcgacgactc	cacaactccc	180
agtgacaccg	ccctcaaatt	cgtctacaag	ttccccattc	atgaaccggg	aaaggtgatt	240
aatggcgctc	acactgattt	tggctcttgat	acgctgctct	ggtatgatga	ggaaactaca	300
caagtggcaa	tatatgatga	aaatggggag	cggacagagg	aatgggtaac	aattcctgtg	360
gtggggggct	cagtccttgt	gaatggtgcc	gatgagctgg	cagctaggtc	taatgggtcc	420
ttgcactcta	cagtgcacgc	tgtggttgca	ccaccagggtg	ctaagagagt	aaggaatggg	480
gttctctatt	ttttcccggc	ctncacagag	cttgactggc	agaagatgag	tccattntgg	540
aggtcatgta	tgcagcagag	atgcaattnc	agatag			576

<210> 11842

<211> 201

<212> DNA

<213> A.fumigatus

<400> 11842
 ggaacaggct gcagatacct agttgttgtc gtagtggtcg ctcttgctgc tgttgacaat 60
 gtgggtgggg cctgccatat tcaggcatca ccactctttc aactcggctc catcaacccc 120
 cactcctcac taattttcat tctcatcctc agcctcacct cagtctatct aatccacatc 180
 ttcacctag gtcggcatta a 201

<210> 11843
 <211> 489
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (403), (417)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11843
 gtaaagccgc gagcccatat tccctccgac gacaaggccc tcgtatccgt tgtactcgag 60
 cagaaagaat gggagattct cacggcctac ccgaccaaat cctttaccct cagagggagt 120
 agaggctgca atgctggacgg ctccaggctc acccatgtcg ctatcttggg tttgctgggt 180
 aagatgactg gtgcagctgc cgtggcgaac agtgatatca tcatggcggg gaacggccgg 240
 ctgcgtttcg acgtcagcct caaaggctctg gggactctgg gtatctactt ttctgatctg 300
 cagaattgga gtattgctcg aaatttcatg gtgactatcc gtggccgggc tgtgccaaga 360
 aagacggtct ggaaggaaag atgtgcccac gctaagggtc tancggttga tgttcangcg 420
 gcgtggaaag cgatgggatt ggatagtggg tggagcaatg aggtccttgt gcaggtcttt 480
 gttgggtga 489

<210> 11844
 <211> 537
 <212> DNA
 <213> A.fumigatus

<400> 11844
 acaagcggat cccaattatt acctgaagca gctgtacaga gtctgcgcac aaagctacta 60
 cccttgacga ccatacctac tccataacat cctgaggcga tactcttact aaaagatgcc 120
 ggggtggatg tacaactacc gaaggacctt tccgagctca cccaactcgc aaagcaagtt 180
 cgtgctttgg gtcccaagac tgtgcttttg aaaggcggtc atttacctct tacagcagcc 240
 cacgaggcgg cgcagaaccc ggaagatgcg tcaagagtga tcgatattct gtacgacgga 300
 gaaaacacca cgctcttcga gactgaattc ctcatgtcca agaactca tggcactggg 360
 tgctctctgg cgctcgccat tgcggctaata ctggcccttg ggaaggatat gaaacgagca 420
 gttcacagtg ctgtccgatt tgtcgaagcg gggatcaaga cgagtgtcga catgggcaag 480
 ggaagtgggc caatcaatca ctttcactcc gtgtattcct tgccatttgc accgtag 537

<210> 11845
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 11845
 ctctttgccc ttgggctaac gcacgtcagc gatcgtttcc ttgagtatgc tctcgcccga 60
 cctgatgtcc gtccgatatg gaagaagttt acagagcatg agtttggtca cggcctgggc 120
 agtggaagc tccctgtgga gcgatttaag caataccttg tgcaagacta tctctacttg 180
 gtgcgaacgt cctga 195

<210> 11846
 <211> 456

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (4)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11846

ttgntgagaa cccccatttt agcctgtacg gcgtacagcc ggtacattct cgatgtggga	60
caatcggagg attggctcgc actgcagatg gctcttgac cctgtctcat cggttacgga	120
gccattgcca agcgactgta cactgagaaa gagacacttc gagagggcaa tcgctattgg	180
cggtggattg agaattatgt tgctgaagac tacacggagg ctgtccgatt gggatctggt	240
aagaatacat tttttttttt ttctcaacgt actcaagtgt atgtggctga cagaagtgtt	300
ctagaactac tggagacaca catacgacag gtctcaccga gtcggatgga ggaactaatc	360
aagatcttca tccgggcaac ggagctggaa atcagcttct gggatatggg attgggtgac	420
caccacagag cgcacatgac ttcgttgagc gcgtag	456

<210> 11847

<211> 384

<212> DNA

<213> *A.fumigatus*

<400> 11847

attacctctt ctcccgccat gtttgacacg gtctgcactc tcccgtcttc agcggacctg	60
ttctcccagg cccttcatcc taaggagcca attgtctccg ttggtctgtc taccggccac	120
gtccaaactt tccggcttcc atcggaggag agcgacaccg acaatgacgg ggcggagtcg	180
acttctcat cacgcaatgg caagggacac attgatacga tgtggaggac ccgccgccac	240
aaggggagct gtcgggtgtt agggttcggc gtggatgggg agatgctgta ttctgcgggg	300
acggatgggt tgggtcaaagc cgcaaagtcg gagaccggcg tgggtgaaaa caaaattgcg	360
attcctcctg cgaatgatgg gtga	384

<210> 11848

<211> 900

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (50), (72)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11848

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gtgtctgctc ggccacagca gacccatcat ccacatgacg actacatttc gtctcttaca	180
ccgctccctc cctcggatac cagcacgtcc ggcttcagca aacaatgggt gaccaccggt	240
ggcactacgt tagctgttac tgacctccgc cgcggggtcc tagtgcgagc cgaagatcag	300
gaagaggaat tggtagctc cgtttacatc ggcggtttac gcgcgggtgg aacaagccgg	360
ggtgaaaaag tgattgtggg aggtccagc ggctcttga cactctggga gaaaggcgcc	420
tgggatgacc aagacgagcg gatctacgtt cagcgggaag ccggtggcgg agagtcgctg	480
gagaccctgg cggttgttcc tgacgagctc ggaaaggcca agatgattgc cgttggcctg	540
ggaagtgggt gagtgaaatt tgtccggatg ggtgtgaaca aggtgggttc ggaagtcagt	600
catgacgaga ctgaaggcgt catcgggttg ggattcgacg ttgaaggacg catggtcagt	660
ggcgggtggtc agattgtcaa ggtctggcac gaggccgttg actcgatga aatggacggc	720
gacacaattg gcgggaaacg catgtttggc agtggcagtg acagtgacga cagcgacgat	780

ggtgacgact cggatgatag cgatcgtggg agtcgcaagg cagctcagcc tcagcgaaag 840
 aagaggaaga acaagggcaa gggaggccaa gatatcatgg gatttgccga cattgattga 900

<210> 11849

<211> 996

<212> DNA

<213> A.fumigatus

<400> 11849

tttaataactt	gggggtacct	cacacccgc	tatccggttc	ctgattgctg	tattcatagt	60
atcgggggta	ggaactggat	attggatgct	tcccggaatg	catggattgg	tgccatgcac	120
aacagcagcc	agttgatggg	aatcctgcac	gcattttacg	gactaggtgc	ggttgtggca	180
cccataacgg	caacataactt	catcacggac	tgcgattggg	agtggtagca	gttctactat	240
gcaatggcga	ttgtagcagg	aatggaattc	ctgacctcgg	tggcagcctt	ctgttcttcg	300
acaggatcga	aatctaaaga	ttcagatgcc	tgtactgaag	aaactctgtc	atccgatagc	360
tcagataatc	tcatgtccag	cacaccgaca	aggaaaccca	ccctagagtc	attgaggatt	420
ccatcgactt	gggtaataag	tctctttctc	tttatctatg	tcggagccga	ggtgactgtt	480
ggaggatggg	tttttacctt	cctagttgac	ctccgaaacg	tgctctgtc	tactgcaggt	540
tttgtgagct	tcagctactg	gggtggactt	acgggttggtc	gtgtgtgcct	cggcttcctc	600
actccatttt	tcaacaggca	gcgcctggca	gttattcttt	acttgggttg	ttgcattttc	660
ttacacatta	cattctgcat	cggtcatgac	ctccgcttgc	tagtcctttc	ggtgaccttg	720
cttggtttct	tccttggccc	tctctacccc	gaagcagtta	ttgcccagc	aaagcttctg	780
ccaaagtctc	tccatgttgc	agctgtcggc	tttgcttgcg	ctttggggag	tgccgggggt	840
tcagtattcc	ctttcattac	tggcgcgatt	gcaaaggggt	atggaattaa	cgctccttcag	900
cccattgttc	ttgtaatgct	agttctttgt	ttagttctat	ggcttgtact	gccggaaaaa	960
cgtgaacaca	gcagaaggca	agcatctcca	gtctga			996

<210> 11850

<211> 1269

<212> DNA

<213> A.fumigatus

<400> 11850

tattttgaac	atttatcgac	tcgctcctcg	acttcgcgcc	catgcgatag	gtgggtgttcg	60
cacattgagt	ttctaataat	gtctatcacg	ccaggccatt	tctccatgac	tgctgttgca	120
tcaccgccta	gtgtgcaaga	aggtcctcgc	ttgggatggg	acgactctgg	ttaaaggagga	180
caaggagccc	tgacttcaat	gaacgacgaa	gtttcacgga	tgttcatgcc	acggaagtcg	240
attcagagat	ccaactcctc	gtcgctgtta	ggatcaaact	cctccacctc	caccgtagtc	300
gccggttcac	aaaacgttca	tgcagtacaa	agtaacaccg	ctgaatcttg	cacctggtct	360
tcgaagaaaa	agtcctccag	gagcatttgg	ccgagtacca	agtctgaacc	ggcaactgga	420
gtgagtacca	cacgcacgca	ggtgatgcct	gcatttctct	ctggaccctg	tgctacttcg	480
gccatgtccg	ttctccatca	gccttcgtct	attgttccct	cgcagcacat	gctccagtct	540
tcccagcaaa	acggcgtccg	cgctggcagc	gcgccatctg	gggagccgcc	ggccatattg	600
acgcttctgc	caatcaacgg	cacctttgag	aagaagcaga	tcactgttcc	tttttaccca	660
gatgttttgc	gaattggacg	gcaaacaaat	gcgaaaactg	ttcctacccc	tgtgaacggg	720
tttttcgatt	ccaagtgct	ttctcgacaa	cacgcggaga	tatgggcgga	caagagtggc	780
aaaatctgga	ttcgagatgt	caaatcgctc	aacgggacct	ttgtcaatgg	ccagcgcttg	840
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gggattgaca	tcgtcagtga	ggatcaaaag	acgatcgtcc	atcacaaggt	ctccgctaaa	960
gttgagcacg	ctgggatcta	tgggactatg	ccaaacatct	tcgacctcac	cctaggagat	1020
ttggatcccc	cttctggtaa	cggctcttct	ccttccccgc	tcagtcagcc	cctgtcacat	1080
ctccgagggc	ggtctgggag	cgcgatgagc	aatagaagct	cacaaagcgc	tcgagcagct	1140
caactcagtg	cattgcagca	gcaacgtcag	atgaactact	ggaattctcc	aatatccatc	1200
gaacagattg	tcaagcggct	tacagtacgt	ttgttgctcg	cctttcctcc	aaaggttgca	1260
tcccactaa						1269

<210> 11851
 <211> 1296
 <212> DNA
 <213> A.fumigatus

<400> 11851
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 ctactggaat tctccaatat ccatcgaaca gattgtcaag cggcttacag tacgtttgtt 120
 gctcgccctt cctccaaagg ttgcatcca ctaattcctt tttcttgtgt ccagagtcaa 180
 atgaaacagg caaagcagca agctcaagat gtccggcaaa ccgatgaatt tttgacttct 240
 ttgacgaaac agggtcacca agaaagagag aaagcaaagc actcgccacc agacagtggg 300
 gtctcgctc aagtcaacgg cagacctaaa atgccgcgcg ttgattcttt ctcaagattc 360
 tcagatcccc ctgcaccacc accacagcaa ccacttcccg aaaagcctga tgcaccacc 420
 cgcacgggtg cagatgcatt ctctcctctc aaacggtcag atacagagaa gccgaaatta 480
 gggtcgaata actctcctgc ttcgctgag tccagtcaaa ttctgtcttt gattgaggca 540
 ttgtcgctccg ccaagcggga gctggatagt cagggtgcc gggtaaagga attggagact 600
 ctattgctgc aagaacgcaa cgcacgggag tctgcggagg aaaaggccag aaatctggag 660
 ctgcaagcaa agggcgtcaa cggagaatcg ctgcaacagg gtatgaatgg tcggtctgat 720
 gatcgccgga tcagcgagaa gcacgcgcag gacgagcctg ccaacgcgga attgcctcct 780
 aactcgggct cagacaaatc atctacctca gaaagtctag cagacactca ggcttatcat 840
 ttgcaacttc gccttgaaac gatgatggaa gaaatggagg aaatgaagaa gcaagtcgca 900
 atgtttagaa gtagggcaga aaaggcggag agtgagacgg cggagcgcg caagtctttg 960
 gcggagatga tcgagactct gcggcgtgag cgtgcagaga agtgcaact aagcaacgaa 1020
 tctgcagcga aggacattac tattactcgc gatgattcgg cgactgccga tgccggctat 1080
 gttgccggcg gagaagtcga ggagcaagcg catccaaata caacaccgtc atcgccctat 1140
 accaacgtca ataattctgg cagggcgttc gcgaaacagc ccttgaaaca cgatgttctg 1200
 gaacagacca gcccgtatgc gtcgatgctt ggagtgggtc ttctaggggt aggccttatg 1260
 gcatactga acggatggca gaagatggac aagtaa 1296

<210> 11852
 <211> 984
 <212> DNA
 <213> A.fumigatus

<400> 11852
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 gtcgtgaatg tcgctccgca gcgatatcga taccctccatc atgccttgcg acgggcatgc 120
 agttttctct tgatcctgat tcttttcctc gggttgatc tgtttctaat tccgtttcct 180
 atcctgcccc gcgagcagcg ctctctctgg tcgtatctcc ctgggtgccag cccgttccca 240
 taccctcat ggcccaacag ccccgccctc acgtatgagc agctgcaggc tgttcttcag 300
 agcacaccgt cagccgcgaa agctcgtgaa tggagcagtt attacacggc aggtccgcac 360
 ctacgaggca aaaacctcag tcaagccctc tggaccctg agaagtggca agatttcggg 420
 gtaatggaca cggaaatcgt cgcttatgat gtctacctca actatcctgt agatcatcgt 480
 ttggctctgc tgaagaagga cggggataaa accgatgtca cctttgaggc ttcacttgaa 540
 gaggacgtcc ttaaagagga tcacacgagc ggccttcccg atcgcggtgc tactttccac 600
 gggtactctg ccagcggaaa cgttaccgct cctttcgtct atgtcaattt tgggacgtac 660
 gatgattatc aggacctagt cgatgccaat gtcagtttg cgggcaaaat tgctattgca 720
 aagtatggtc gcatctttcg tgggctgaaa gtgaagcggg cacaggagtt gggtatggtc 780
 ggcgtgatat tgtatgatga tccccaggaa gatggagata tcacggagga caatggttac 840
 aagccgtacc ctgagggacc tgctcggaac cccagcgcg tacagagagg aagtgcgcaa 900
 tttctaagta tgtcttcttt cacttcgggt cctcaagcct tgacggatac tgaccattct 960
 gcggttaaggc atcgctcccg gtga 984

<210> 11853
 <211> 843
 <212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (4)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11853

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gggnccggacg cgtttccttc gagccctgcg gttaagacgg cctcctccag tgcttcagaa    60
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agggctccaa gctttatggg ccccccgat atcgacgacc ttctgccttc atcgctctgga    180
aatcgacga agcccgagtt tattgcctct gcttccattc ctaacgatac gatattctagc    240
tcctctggat tcgcatcatc cgcacaaata tctcacttct ttgattccga cgacgactgt    300
tcaagtggca cgtctctcag ttcagtgcc aaaaacttgc tggagaatt ctcgcagatg    360
gaggatgtct ttctctctga catggacgac tcggaaaata cggagttgaa acaatcgttg    420
tgtccctggg gcaagaagac tgtcgattca gatgctctga ggaagtttcg ggcgcaacca    480
aaacagcggg tttgcgagca acagcaattc tgcgagtcgc atcaaaagga gacggcggag    540
aaagaatgga aagagagagg ctatccagac attgattggg atactttcga tgagcgcatc    600
aagtgtcatt tcgacgatct ggagagtatc ttggtacctg aaggcaactc atactacagg    660
aatgttcttg atactatgtt gaaatcagga aaggcaaga acttccgcct aactctcgct    720
ggagacgccc tagagacgat ctggtgcggt tattacggga ctcgaggggc caacaagatg    780
tacagtccac tactttccct cctcaccttc aaacgctgtc caattattaa cccactctct    840
tga                                         843

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<210> 11854

<211> 2295

<212> DNA

<213> *A. fumigatus*

<400> 11854

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agaccgagc aacggattga tgacgatgtc cgagaagtat caacatacag cgaggccagg    60
gaatttccga agatgcttca tacaccaacc tgccccgagt cctcgagtgc atggacaatg    120
cccgaattca cgcttcacaa gatctccttg aatagctcgc agcttccac aagacgaatg    180
tcagatgggg acgtttctcg agatggagag ttctgcgcaa aatctgatcc tctatcctcc    240
gcattcgacg agggaagagc agctcagaca aatttcttat gcgagttacc ctcgggaatt    300
agaggcgctt gctcacctga gttcctattc ctggtatcat cgttgatcga gcaactgcaa    360
ccgagtcacc cgattgagat aatcgattcg ctgcagaagg atgttatatc cgacatagtt    420
gctcatgata agtcaatgaa acaaccgaaa caatcgacga gcttcgcat tcgggctcca    480
ttcatcgttg cgaaaatggt caacacttct gactccccta cggatcatga gttgagtttt    540
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agacggaaag gtgatcttct agccggaata gatagaaaat tcaccgttca tgccgcagcc    660
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aaccttcagg ttctgtcctt cgataccatc agctccacga aatcggtgga gcaacttgct    840
gtcctcgctt gtcgggcaac aactatgttt gattctgttg cctggctctt cgaacgtagc    900
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ccggataatg cgaaggtaac tgtattgtca ggttttgacc agtggcgtgc ctgggacttg   1200
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gatcctggag cgaaagagag tgactttgtc cttagagatc tgatcatctgc attgtccatc   1380
agcacgcagc agacgttact tgacaagaag ccgacgagag tgatagtttc acagacatat   1440
tgctcatctg ttggcctcca cctgcggttg gaaattcttg aacttggtga tgggtgtgcta   1500
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cccacggaaa agaacgagct acatctcatt ttcgggattg actccggttt cataaactg 1620
gacgggatca acatcaaaat agcaatgcat agcaagggtc tgaggagctc aatagtccgc 1680
aaattaaaag aagcggagaa ttccgaggcc ctaagtgtat tacttagtgc tcagatgtgc 1740
tctgctgagc tatccagtct ttccaaggcg ctgatggctt ggaccgtcag cgatccgtat 1800
ctatattcct cgcgcatcat ggaagagaac aagaaggaaac tgaccacga ctggaagatt 1860
gctggatctt gcaggaagct gcgatatgat atgaaagaag atccggtgag cctcgcgcac 1920
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gtcgatttgc acctcaagaa gaatttccac actttctact cgaacgaagg agacgagcgc 2220
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<210> 11855

<211> 225

<212> DNA

<213> A.fumigatus

<400> 11855

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gtacagtgtt gttcgaacaa tgcaagcgta tctttctacg atctattggg aaagtcat 60
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gaggaacatg atcagtgcgc ccccttgtgt ctcaccgagt tcaccgggt aactgtcaat 180
gccgctgtga gagtgaacgt catcaatagt ctgatgggtga gttag 225

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<210> 11856

<211> 282

<212> DNA

<213> A.fumigatus

<400> 11856

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ctgactgctg tttcgtccct gttttctaca gtcttcttaa agtgttattg cacatcaatc 60
gcccccaaaa tgctgaaaa ctacggagac ttccagacgg agatctatgg ccgtgggtgct 120
ttgatgggtc tcaagcccaa tgtcaccacc gaccctcgtc tgcttgaaga acaggcgcgc 180
aaagcttttag gagcacgata attcaactat gtcgctggcg gagcgggcga aaaagcaacc 240
atggacgcca atcgggtggc ttcccgtaaa tggaaagctgt aa 282

```

<210> 11857

<211> 780

<212> DNA

<213> A.fumigatus

<400> 11857

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atggctaacc agagttaaac tgtaaacctc ttcggccagg agtatccac ccccatcctc 60
atggccccag tgggagtcca aagtctcttc cagcaggaca aggagacggg ccttgctgaa 120
gtatgtgctg aggtcggagt tccatacatc cttagcacag ccagtagcag cactattgaa 180
gaggtcgccg aggcgaacgg agatgggaaa agatgggtacc agctctactg gccccaggac 240
gacgacgtga ctatgtcatt gctgaagcgc gccaaagaga acggcttctc tgttcttctg 300
gtcacactag acacttgggtc gcttgcattg cgacctgcag atctagacaa cgctatgtc 360
ccgttcattg atggagtcgg caatcagatc ggcttcagtg atcctgtctt tcgcgcaaag 420
ttcgaaaagg atcagggtct caaggtcgaa gaggacatcg tcggggcatc cggggcgtgg 480
atcggggacg ttttttcggg caaacctcac acctgggagc aaattgcttt cctgcggaag 540
aattggaacg gtccaattgt cctcaaaggc atccaacatg cggaagacgc aaggcttgct 600
ctgaaaagctg gttgcgatgg catcattgta tccaaccatg gaggtgagtt agcccatcac 660
agagaaaaag cgaaggccct aaaacaagct cacttcttcc tgtctgacaa tgcacaggac 720
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<210> 11858
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 11858	
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gacctcagca catacttcag caaggcccggt ctcccttgctc tcgtggaaga gactttggac	180
tcccactggg gccatgagga tgggggtggg atactcctgg ccgaagaggt ttacagttaa	240

<210> 11859
 <211> 276
 <212> DNA
 <213> A.fumigatus

<400> 11859	
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aaccatcgtg aacccaatca gcatggaatc ttggcatttg gccactgtga cacaaagtcc	120
atcaactttt ttcttctcgc gttctcctct gaccttgaat ctttcgctca cactttgaaa	180
tttgcttttg gaaccttcca tgtcaattat gtaaaccata gcctagcgat ttctgtttgt	240
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<210> 11860
 <211> 717
 <212> DNA
 <213> A.fumigatus

<400> 11860	
acttgttgca aagagggaaa gttgatctca aagtacttag caccgggatg gaagggcccg	60
gctgtaatag ttctcaggag ctcatattcg tcgaagacgt attctggact ctgctcgacg	120
gtttcttctg ctctcttttc ttcttcttcg accgtctcat cagtctccc aacgcctgaa	180
gactccgcct cagagggagc ttcgacggcg cgatctttgt cattcaaaaag caaagcgcg	240
gagacaatca tcatcttcaa cgcgactctc cagatatcgt tgctgtgtac tccctctttc	300
tttaaagcct caatacacac tctcttggcg agtctggcgt gctcgatgtc cagctttttt	360
tgcagcttgc gctgtgccgc attctggcca tcgtccccc taagctcgtc gtttgcagt	420
tcacgtttag acttgtaact gcgcaccaac tcggctttgt caaggagctt gcattcattc	480
ggaccaaggc cgtcattcgg gagccatatg atgcccttgc attgttctgc ttcttctggc	540
aggatgggac ctttgccact aggtagaaaa gccaagagct gctcaggatt gcgatgcatg	600
ctcaacatgc ttgacagggt cacagcgcaa ctgctgggtc agttgggtgt ggaaatgata	660
aggaacggga ccgagcgag gcctcgagt caggcatatc gctcgagctc tgcatag	717

<210> 11861
 <211> 1137
 <212> DNA
 <213> A.fumigatus

<400> 11861	
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aacaccaagt tgaccagcag ttgcgctgtg cacctgtcaa gcatgttgag catgcatcgc	180
aatcctgagc agctcttggc ttttctacct agtggcaaaag gtcccatcct gccagaagaa	240
gcagaacaat gcaagggcat catatggctc ccgaatgacg gccttgggtc gaatgaatgc	300
aagctccttg acaaagccga gttggtgcgc gagtacaagt ctaacgatga cactgcaaac	360
gacgagctta gtggggacga tggccagaat gcggcacagc gcaagctgca aaaaaagctg	420

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gacatcgagc acgccagact cgccaagaga gtgtgtattg aggcttttaa gaaagagggg 480
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cttttgaatg acaaagatcg cgccgtcgaa gctccctctg aggcggagtc ttcaggcggt 600
ggggagactg atgagacggt cgaagaagaa gaaaaggaag cagaagaaac cgtcgagcag 660
agtccagaat acgtcttcga cgaatatgag ctctctgaaa ctattacagc cgggcccctc 720
catcccgggtg ctaagtactt tgagatcaac tttccctctt tgcaacaagt tcaacagggt 780
caacaaacca acggccatga caaagacgtc cagtctcgag agacaaagga atttacgccg 840
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tctcgtaagc gagaatggcg tttcggactg ccctttgctt tctggcgta gattatcgcg 960
gatgcagtcg gcgctgacgg tattctcagt taccagcagc aagtccgcat catggcttac 1020
gctgccgatt ggaatgctgt aagctatgag ctgaccatca aaggagcaga agatcatcag 1080
cagatttgga agttccttga gactgtcaaa tgcatacct acagctcttt gacttga 1137

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<210> 11862

<211> 813

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (813)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11862

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aaaaacaaga gaacaaacac ccaaccgcta gaagacgcat ctaccgcgcc ggcgacctc 180
aatgacggtc ttctctcttc aaaattaatt gcatttgact tggactatac attatggccg 240
ttctgggttg atacgcatgt cagcgcaccc atcaagcctc gcgataacaa ttctcgatgc 300
gttgacaagt atgtacctga ttcaagcggt ggtgtccatc tccatatact cttactgact 360
caggaccttc gccacagatg gaacgaatca ttgcgattct acccagccgt ctcatacaatt 420
gtgtactcct gcaagactcg ctcgattccc cttgcgatag cttctcgcac gcatgctcca 480
gatttagctc gcgatatgct gaaggcgctc catattatcc cgacattctc ggacaatcct 540
gcggccaaaa cgaagtcagt ccgcgctctg gattactttg actacgtcca gatcttcct 600
gccacaaaaa cacaacactt tgcgaaaatc cagcaagcca cgggaattgc ttacaggat 660
atgttgttct ttgatgacga ggcacgcaac aagaacgtcg agaccgaatt aggggtcacc 720
ttctgtctgg tcagagatgg gatgaccaag gaagaagttg atcgcggggt ctgggcctgg 780
agaaagcgaa atgggatcaa accaggggca tan 813

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<210> 11863

<211> 288

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (31)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11863

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gggcccgggg cggtatttta tatcgacgcc nctcgaacct tgcgtgaaga catcctggcg 60
cgtgtttaca tgcaaagcga cctggacttt ctggaagccg atgctgatgc ggtcgttggg 120
ataaacggcg agggagacca cgaaggcgac acaatcgag acggactgga aaatctcaag 180
atcaatggca aggacaacga agctaccaag aaggtgtcct cgaagcaatc gcccaagaag 240
agcaagggtg cacagcagaa tggttaagtca agcattcagt catcttaa 288

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<210> 11864
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 11864
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 cgccccaaat caagcattag tacctaccat catatcatta attgctcttc caactttgcc 180
 tggataattt acttccaata a 201

<210> 11865
 <211> 933
 <212> DNA
 <213> A.fumigatus

<400> 11865
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 aaagcggact cgagaaaaaga tacgcagaag aacctcacag tgcatgatag ctcatccaac 180
 agtaaagggt ctgattccga gagaacagtc gctggggaga aggggccatc atcgttgccg 240
 tcagtcaacg acgctctgga ctcggtacg aagaaaagac cggcggacga aaatctcccg 300
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 tcgtccataa cccacgacca gtcaatgccc tttgggtttg gctttatgaa tccgcaaac 480
 atgcctacaa tgccattcac tgaggctggg ttcattggcg gaggaatggg gtttataaat 540
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 aataatccgg gattcgactc ctttcagaac ggcatttatg gtagtcaaca gagtgggtgca 660
 atgaatggct acggtcaagc aaacatgtac tccaacatgg gaaatgcctc gatgcaaatg 720
 atgggcatga gccagcttgc agggcccatt cctccaaatg cgggggtttc gcagggacca 780
 ggcgttgcc acttctcaaa tcaacaacgg acttcattta gttcgccatt cgcgagagaa 840
 gaagactccc cgtatttccg acaacctgtc aatcctcaac gacaccaagg aagacaccga 900
 agaataaggc caagtgatta tcgtgagtta taa 933

<210> 11866
 <211> 1344
 <212> DNA
 <213> A.fumigatus

<400> 11866
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 agcaatcagg atgaatctgt cccgcattct actactggtt tggggtttct gactggagta 180
 ggttctgtcg ttgaagcatc ggaactgccg aattccgacg ctcaaacgga tcagagcctc 240
 ttcgcgacc attccttgcc agtaactcat caaccgact cagtcacaga ttctctgaaa 300
 ccgtctggac tatcatcttc tcttatgggtg gctgggtctc caatacgggc ggccaacaat 360
 gaaaatgaaa ttgtcatcga ctccaagaca acacacgtat ctttgccaca tcgatcttct 420
 ccaaagcaca atgtcctcgg agaacttact tccaatgagc cctcgacgag ggccaacaag 480
 caaatctgac atgtctcgaa caaacttgaa gatgaagtaa cgacaccaat tgacgacct 540
 tctcgtcatc gctggaagaa ggtcgagata gcggatcggc ggacgagtat tagccacgt 600
 tccaaggatc ccactaaggc gcaacagatg ctcgacaaag gtattcaacg aattcgaca 660
 aagactattg atattcttgg atatcgcaag cttcaaggga ttatcaaata ccatgattct 720
 atttttacca atgaggagaa atacgatgaa atgttgttg cgctcttgga cgaactggaa 780
 agttcgcccg acgacaagag gcaacccctc ggccgacccc tggacctgaa gactcagggt 840
 ctctcaacga tccgacttat gcttatccac aacaaaatct acttctcagc atactgttcc 900
 agggctctgg gtgccttagt gctcgctcgc aagtattatg atgccaattg tcatatcgtg 960

agtggttttag	aggaaacggc	cgatgatatt	attgcccttt	gcgagcctgc	tgctgttatt	1020
gattctgttt	tggatgttat	cattacggag	gagaaagacg	atcgcgagta	tcggtcaatc	1080
ctcatgggag	ttagtgtgtt	gactcggatt	ctcagtcgtc	tgaatgccga	caagtgccgt	1140
gtaccggaac	tgcccttgga	ccgtctcgga	cagtttgctg	ccagcaagtt	agccgatcgg	1200
cagcccgatg	tgaggaggct	cgcggttcaa	ctatgtgtgc	agttacacgg	aatggtcgcc	1260
aacgaggagg	aatactggcg	agtattaggt	caccctcggg	aaaattcccg	aaacttggtg	1320
acttattata	ttctcaagaa	gtga				1344

<210> 11867

<211> 246

<212> DNA

<213> A.fumigatus

<400> 11867

gactggaacc	tgctccgcca	tgtcagcgat	gttctcgtc	aataccacga	ctttcacccc	60
acgcttctgc	gaatcatcaa	gtataactgg	tcaacattta	gccaaaacaa	gacgcacact	120
aaccaagccc	agaaaagcaa	cgagcatcaa	acgatggccg	ctcttttacc	gcgatcctat	180
cccaacctgg	tcccgcggcc	gcttcgtgct	gataggcgat	gccgcacacc	caatgctccc	240
ccgtag						246

<210> 11868

<211> 186

<212> DNA

<213> A.fumigatus

<400> 11868

ggtatctact	acagtttgtg	ggtaatctct	cgtttgatga	agtacgggcc	aaataccaag	60
aactataacc	tcttctgcca	atattgttta	aaatacggag	tatgggagga	gcatacaaa	120
tccggggttt	ccacagtgtc	gttgctccat	tccagccact	cttcaacagc	agtggagatg	180
ggcgctc						186

<210> 11869

<211> 606

<212> DNA

<213> A.fumigatus

<400> 11869

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cagccaaacg	cctcccggat	tctctcagac	tgggatttcg	accctaagag	ggctcgttc	120
gtgacgggtc	tgccaacgat	ggtagtacca	ggaacatcgc	tcacgtcaaa	cgctcgagta	180
gactgctccc	actttgttga	gacgtatggc	gcgccctggg	atctgggtca	ccgggtcgac	240
ttgcacactg	aactacggcg	gcttgcgacg	acaccggacg	ggccaggatt	ccccgtggag	300
accatcttgc	gatccgaggt	cgttggcttc	gacgctgaga	atgggtcagt	cactctgacg	360
gatgggtcag	ttcatcaagc	ggaccttgtt	gttgctgcgg	atggagtga	tactaccgcc	420
attcaccagg	tcacgcggca	tgctacccca	gcggctcgcca	ccggctccgc	tgcgtttcgg	480
tttctgattc	cgacggagga	tatccagggc	gacctgaga	cggcgcacct	cctggaggat	540
ggtctgatga	ggatatacgt	tgctgaaggt	gtgcgacggc	tcactctggta	ttcgtgcgcc	600
gagtaa						606

<210> 11870

<211> 264

<212> DNA

<213> A.fumigatus

<400> 11870

ggtcgaaatc	ccagtctgag	agaatccggg	aggcgtttgg	ctggacatgg	attgctgcac	60
------------	------------	------------	------------	------------	------------	----

cgacttcacg	gagaaacgag	gagcgttcga	aaatctggca	tgcttagttt	cgteccaact	120
caacctgttc	tagcaaaggt	ttacctggac	cctgtgggtca	gcacgacgga	gtccaatcgc	180
cgcgggccagt	ccggcgattc	cgccaccaac	tataatgacc	ttcatctgag	agtatcgggc	240
tctggcgctct	atttgataag	ttaa				264

<210> 11871

<211> 225

<212> DNA

<213> A.fumigatus

<400> 11871

gatatagggg	gtctcatcat	ccgtaatcat	gtctacacct	tcaatagctc	ctgctcctgc	60
tccactgggtg	cccgatttgg	ctgccaaagcc	agccatctca	ccttcgcctg	gtccggggcac	120
acccgggtcg	attacctcca	aggaatgggt	tattccacca	cgaccaaacc	caggcaggaa	180
accggccaca	gatacgccgc	ctacaaagcg	caaggctcag	aatag		225

<210> 11872

<211> 855

<212> DNA

<213> A.fumigatus

<400> 11872

ggagtctcat	catccgtaat	catgtctaca	ccttcaatag	ctcctgctcc	tgctccactg	60
gtgcccgc	cat tggctgccaa	gccagccatc	tcaccttcgc	ctgggtccggg	cacacccggg	120
tcgattacct	ccaaggaatg	ggttattcca	ccacgaccaa	aaccaggcag	gaaacccggc	180
acagatacgc	cgcctacaaa	gcgcaaggct	cagaatagag	ccgcccagcg	cgccttcaga	240
gaacggcgag	ccgctcgcgt	taatgagctc	gaggagcaaa	tcaagaaaat	cgaagatgag	300
cacgaaatcc	acattgcggc	gttcaaggaa	cagatcacca	acctctctcg	cgagggtggag	360
cagtgtcggg	ccgagatgac	ctgggtggcg	gatcgatgcc	atgcgttgga	gaaggaggta	420
tccgttgaaa	gaagtgccaa	ggaagctatt	gtgaaggagt	tccgatcgtc	tctttcggac	480
agggaggctg	taagatccga	caaaggactt	gtcctcttta	ccacatccac	tccacaaacc	540
cgttcctccg	accggccaga	caatgggtgat	gcgtccaaca	atgacagtgg	ggagggtcga	600
gaggaggtag	cgttaggctg	caatgattgc	tccacatcgc	attgccagtg	cattgaggat	660
gccttcacta	tgccgggagt	tgtggctcag	gaacagtcca	gacgtcttga	taccaccaag	720
cctgggtcttt	ccgagcctca	gatcaagccc	gacccggaag	agatggaaat	tgatttctact	780
tcccgatattg	ccgccactca	acagcaggat	cagtcaccga	cgcccgtttc	gtctcctgcc	840
gtggatcccc	tggtt					855

<210> 11873

<211> 306

<212> DNA

<213> A.fumigatus

<400> 11873

aggaatttgt	tctttctagt	cctcgccgcc	tgctcgtggc	agcgtcctca	cgtcacgcgc	60
ctcgacgagc	ccaccaacta	tctcgaccgt	gactctctgg	gtgccctgtc	caaggctctc	120
aagactttcg	aggggtgggt	cgttatcatt	acccactccc	gtgagttcac	cgagaacatg	180
ataaattctg	ccttcagggt	tctagacgga	acacatacaa	gcctaggtag	actaagtaat	240
aatgcaaaaa	atgtatgtct	tctgatgaaa	cagcttcata	gtatgggaga	aatgcccggg	300
gcataa						306

<210> 11874

<211> 1416

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (582)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11874

agatgtcttc	cagaattctt	ctactccctc	gatcgaaatc	tcgaggatgt	tgattacttc	60
tacaagaaaa	aatttgcgga	cttttcccg	cggttgaagt	tgctggaaga	gcgatacggc	120
cattcgctgc	ataaaggga	tgagcttgat	tcagaagatg	tggaggatct	cctggcgga	180
ttgctcgaac	tgctgggtca	actgcgcaag	ttgcagtgg	tcggcggaag	gaaccgtcgt	240
ggatttgtca	aaattaccaa	gaagcttgat	aagaaggctg	gcgtccaagc	acaacagacg	300
tacctggaga	ccaaagtgg	tccgttgcc	ttcgccctga	acgcaggagt	cactgagtca	360
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agctccacga	gacctcgtc	ttccttgaag	aaaggacctt	cgctcccaa	tctcaatctg	480
cccccaagcg	tgctggctga	agtggacgaa	gcattgcgca	aggatgacac	acatgttctc	540
ctggaactaa	tggagacgct	gaagaaagct	gcgatgata	tncgagaagc	cgtctatccc	600
aagggtctaa	aaagtcttct	tcagccgtcc	atttactatc	gttccaaagc	atgcatttca	660
gtccttcttg	gccgaattga	ctcgctcgac	gaggaggacg	acattaataa	gcgcaactgt	720
attcatcgtc	tggtcatttc	tatcggacgg	gcgcagtcgt	ctactgactc	agagtcgtcc	780
gcctcgatgg	tgcttgattt	ttctctggaa	acctctcatt	acatcacccc	cgctgctctt	840
cgcacctatg	agccaccgcg	accagtggta	aaagaggcga	atcatcccca	gattctgggc	900
agagacgatc	cttcagtttc	acttttgcaa	tttattctgg	acgaactcca	gccccatcag	960
cgcggcgcac	tgctagccaa	agacctttct	ggacgcaccc	ctctgcatta	tggtgcacag	1020
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gatgttcgtg	aaggcattga	tgccgcgcag	tggcaggata	acgatggctg	ggctcccttg	1140
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gtcttggtat	tagccaccaa	ggcaaatttc	gtcgatatag	tgcaactcct	tgtggatgct	1320
ggtgttgaca	tcaactacca	ggatgagcaa	gggcgaaact	gcgttgcatg	tgggcctccc	1380
gtttggtcac	gatgcgtgcg	caaagatcct	acttga			1416

<210> 11875

<211> 210

<212> DNA

<213> *A.fumigatus*

<400> 11875

aggttacgat	tcgagccttt	catcatgaag	tttgggcgta	acttacctcg	aaatgtcgtg	60
cccgaatgga	gcacttcgta	catcaggtag	aaggccttga	agaaactgat	caagtccgcg	120
gcagaggagg	tgaaagctgg	ctgtgaagcg	gatcttgccg	gtgggtttca	gtctccttgc	180
catacgcccc	atggcgaaac	gacctgctaa				210

<210> 11876

<211> 711

<212> DNA

<213> *A.fumigatus*

<400> 11876

acaccaacca	atagtcttag	gcacgattcc	gggcttcaca	tatttgagg	ttgcagagga	60
ggtggtggtg	gtggtggtgg	tgctgggcaa	aggagaagag	gagacgtggg	aggaagatgg	120
atggaaaaga	cgggagctgg	aaccggtagg	gctcacctg	acataaacgg	tagacgccgc	180
agcgtctggg	cagggtggacg	gcgtgggcac	cggggcagg	tcgacgcagg	gctcgacagg	240
ctcggagacg	gtgaacttgt	cgccctgcgc	gaagatgatg	tagacgttgg	tgccgttgat	300
gcgcgtgatc	tggtagcccc	attcggggtt	ggtgtcgcag	gggatctgaa	cggagtagga	360
cagatcgccc	gtggggatgt	ccaggggccag	cggcacataa	gtcggaggcc	aggagacaaa	420
gttccaaagg	tagaggctga	agttggtggg	atcgggtgctg	acgctggtcc	accggacggc	480

cacagtggac	cccgctgctg	aggtggtg	ggctgcagga	ctggtgatgt	tgatggccgc	540
agccagcgag	ccaagcgaaa	caaccagggg	gatcacggag	cgcacatgt	tgatcctcgt	600
gttcttattg	gtttgatctt	gggtgggtatg	ggtttcagga	tctactgggg	gaagcaatgg	660
tcgatagaac	aaaaaacacg	tctaaaaacg	aatggacttg	aaaaggagtg	a	711

<210> 11877

<211> 312

<212> DNA

<213> A.fumigatus

<400> 11877

cagtccaacc	tcttgatcta	tgccaacagc	aaggtccccc	agtccctgaa	gtacccccat	60
gacgccgtcg	gccacgacta	cgacagcgtc	ggcatcttcc	agcaacgtgc	tatctactac	120
cccaacatcg	cgcgtgacat	ggaccctgcc	cgctccggcg	ctcagttctt	cgccaagatg	180
aagaagatca	gcggtctggaa	gacgatggac	gtcggcaagc	tttgccagaa	ggtgcaagtc	240
tcggcttatc	ccgatcgcta	tgctaagcgt	gtgcccgagg	cgaagaagat	ctgcgctgct	300
ggcgggactg	aa					312

<210> 11878

<211> 237

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (37)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11878

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aaccccaact	ttgtccaggc	ccgtgacgcc	atcctggatg	ctgatactgc	tctgactggt	120
ggcgagaacc	agtgtgagat	ttggacgcca	tttgccaagc	ggggattggg	tgctggggcg	180
aagtatagct	caaggaaccg	ggtgggaagt	actgaggtcc	ccagtgggtg	ctggttga	237

<210> 11879

<211> 843

<212> DNA

<213> A.fumigatus

<400> 11879

acgtgttttt	tgttctatcg	accattgctt	ccccagtag	atcctgaaac	ccatacccac	60
caagatcaaa	ccaataagaa	cacgaggatc	aacatgatgc	gctccgtgat	ccccctggtt	120
gttttcgcttg	gctcgtggc	tgccggccatc	aacatcacca	gtcctgcagc	caacaccacc	180
tacgcagcgg	ggtccactgt	ggcgcgtccg	tggaccagcg	tcgacaccga	tcccaccaac	240
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accccgactc	cggccccgat	tatgaccccc	gcccctgggtg	agggcagcgg	tggtcgtggt	780
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<210> 11880
 <211> 420
 <212> DNA
 <213> A.fumigatus

<400> 11880
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<210> 11881
 <211> 510
 <212> DNA
 <213> A.fumigatus

<400> 11881
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 aaggaaggcc ttggtcggca gggttgcctg gctgctattg cgaccggctt ggtcgaggtg 480
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<210> 11882
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 11882
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 ttctgtgaacc aaaacctcta caaaaggaca agcatcatcc ctggattggt ctctgagcca 180
 tcctattaca ctgcgacctc aagctacgat agtgttcatt gtcgacaaga gcgagcctga 240

<210> 11883
 <211> 687
 <212> DNA
 <213> A.fumigatus

<400> 11883
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 tgcaggacag ccagatccca ggatacctcg acgctcctgc tggcagagca tgggttgaga 120
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<210> 11884
 <211> 282
 <212> DNA
 <213> A.fumigatus

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<210> 11885
 <211> 429
 <212> DNA
 <213> A.fumigatus

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<210> 11886
 <211> 696
 <212> DNA
 <213> A.fumigatus

<400> 11886						
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<210> 11887
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 11887

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agctcccgcg	cctgcggcga	cogtctttct	gtttttacca	agaattttgc	ttgcgagttc	180
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<210> 11888

<211> 549

<212> DNA

<213> A.fumigatus

<400> 11888

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<210> 11889

<211> 348

<212> DNA

<213> A.fumigatus

<400> 11889

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<210> 11890

<211> 1350

<212> DNA

<213> A.fumigatus

<400> 11890

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cgcaccggct	gtgcgagtga	aaacgacaca	ctcgcgtggt	tgcgcaatct	tgatacagca	360
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agttggaact	atcactacgc	cgtggaagat	gaagccgccc	aagcttcggg	tactggtgtg	840
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<210> 11891

<211> 501

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (225), (237), (243), (246), (250), (278)

<223> Identity of nucleotide sequences at the above locations are unknown.

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cagggtttga aacagcccca gtgtcatatg gaactgatgt gcctcgtttc aaggagacc 420
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tcaaagttga cgagctgcta g 501

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<210> 11892

<211> 222

<212> DNA

<213> A.fumigatus

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tggcatgata acaaaactgca ctgcatccta ccatttctag gcatgtatct catttataag 180
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<210> 11893

<211> 375

<212> DNA

<213> A.fumigatus

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ggaactgtag gctga 375

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<211> 645
 <212> DNA
 <213> A.fumigatus

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<210> 11895
 <211> 444
 <212> DNA
 <213> A.fumigatus

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<210> 11896
 <211> 465
 <212> DNA
 <213> A.fumigatus

<400> 11896
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<210> 11897
 <211> 366
 <212> DNA
 <213> A.fumigatus

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<210> 11898

<211> 240

<212> DNA

<213> A.fumigatus

<400> 11898

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cccgtgtcgc	gccactcgcc	tctcgtatat	aacatcccca	gcatccaat	cctcatccct	180
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<210> 11899

<211> 237

<212> DNA

<213> A.fumigatus

<400> 11899

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ttgaaggggac	accgcagtgt	tggcgggtatc	cgggccagca	attacaatgc	agttcccttg	180
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<210> 11900

<211> 1125

<212> DNA

<213> A.fumigatus

<400> 11900

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<210> 11901

<211> 231

<212> DNA

<213> A.fumigatus

<400> 11901

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tatttccttg tgctacccca ttccaccata gaagcgagca ataccattgc tgtccaattt	180
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<210> 11902

<211> 267

<212> DNA

<213> A.fumigatus

<400> 11902

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ttctaccctc agcaagagag cagcttctcg tcgttatact gcgtcttcat cacctacaac	180
ctccgcacct tctccgccaa aaaggcgact atggccttca ctgacgattg tcaactgcaac	240
tgcggcagga atcggagcct atgttag	267

<210> 11903

<211> 1212

<212> DNA

<213> A.fumigatus

<400> 11903

gaccaccacc acgagactcg acgataactca tttatcgtag gtgctctttc gttgagagtc	60
aacctcatga aatcccgact accaagatca gggggacttt tgttcaaccc gccttctacc	120
ctcagcaaga gagcagcttc tcgtcggttat actgcgtctt catcacctac aacctccgca	180
ccttctccgc caaaaaggcg actatggctt cgactgacga ttgtcactgc aactgcgga	240
ggaatcggag cctatgttag atcgcaacaa ggctcagagc cgacaactct gaatcccgtc	300
acatttacca aataccggct tgtcgcaagg gagccggtat cgtcgaacgg cagcatcttc	360
actctgaaac caccgaagcc cgacgacaat cgcgaagtct acgaagacgc atggaagacc	420
ggcgtatgga gtgtcatgtt caagcaacgg caattgcaaa ttggaagaga ctatacacc	480
ctaccgccga tatcgctaaa cgaccaagat gagcaggaag ggtgcctccg gttcttcatt	540
cggaaagacc cggtcgggga ggtatcgcg tatctgcatt ctctagatgt gggatcagct	600
attgaagtgc gcggacctcg aatcgaatgc gaaatccctt cggatactcg gcagattctc	660
tttattgcgg gcggactcgg aattgctcgg gctttgcagg ctggacatac gctcctacgc	720
cggacagacg ccgaccacaa gccgaggctt cacattctct gggcaaatcg aagacgggat	780
gactgcctgg ggggttgcaa cgatagtctg gcaatagacg aagtacagca aagatcctgg	840
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ccggcggcca ctctcgctcat ggtccgcgag cttgaggctc tcaaagctcg ttatccgggc	960
caagtcacgg ttgactatct tgtggacgaa gagagtctgt tcattgagaa gaaatccatc	1020
acgagattca ccgataccgc ctctctcaat gggccgcctg gtggtaaaat gattatcgtg	1080
tcaggaccgg aaggcttcat cagctatatg gcaggaccaa agctgtgggc gcaggggatg	1140
gaactccaag gtcctctcaa cggagttatc aaggaaactcg acctgaaaga ttgggctgtt	1200
tggagccttt ga	1212

<210> 11904

<211> 291

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (195)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11904

cggatcttcg	cgacactttc	gcgttatgat	cgctcaacc	tgcctcgct	caaggcttac	60
tctgaacttc	ccaatcgcca	gcttctaccc	gcactcgctg	ctatgattca	gcagcatctt	120
gtctaccatt	acacgtccta	cgatgatggc	gttacgtatt	acgaagctaa	tatgcagtct	180
gcatactacc	tcgtncgttc	tggaaaaaat	ctggagtgtg	tggaggacga	cttggcaagt	240
atgcggcgac	cgtcctttcg	accatcatgt	ttctcggaca	cgccaagtg	a	291

<210> 11905

<211> 255

<212> DNA

<213> A.fumigatus

<400> 11905

tctctgactg	tttctgcttt	caatggacag	tctacactca	aacggtcggc	gttgcggatc	60
actcgggagg	ttgaactgct	gggcggtgaa	gtttcctcga	cacattctcg	tgagaacgtc	120
gttctcaaga	ccaagttcct	ctcgaaagac	cttccttact	ttgccgagct	tttggcggag	180
gttgctttcc	agacaaagtt	tgcaggtaag	tggacagcag	tcgtcagcca	taacctccaa	240
tgtgatattg	gctga					255

<210> 11906

<211> 318

<212> DNA

<213> A.fumigatus

<400> 11906

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tacgatgtct	ctgagtctgc	cggtgtgaag	gtcgccaaca	gagaggctgc	aggcccaacc	180
ggcaccctgg	cgttggttgc	aaaggccggc	tcccgttacc	agcccttccc	tggtttctcc	240
gacgccctcg	aattcttcgc	cttcaagggt	ggtattatag	ctcgtttgca	atctttgcag	300
cttaccaatg	tgaattga					318

<210> 11907

<211> 888

<212> DNA

<213> A.fumigatus

<400> 11907

acgagttcgt	cctcaacctc	atcaagtaca	gacagcaagc	cttttgccgc	cgatgctgag	60
aacatcgccg	ttgacgtgc	ccacgctctt	gccttccacc	gcggtctggg	tgagaacatt	120
actccgtccg	ccagtggccc	tttcgaaaag	tacatctctg	ccgatgccat	cgccgagttt	180
gccaaggacg	catacgctaa	atctaacatc	gccatcgttg	gaagcggctc	ttccaccgca	240
gaggtgtcca	ggtgggttgg	tgagttcttc	acagaggctc	ccagcgtgg	cggtctagc	300
caattcaaag	tgcggcccaa	cactgcctcc	aagtactatg	gtggcgaaca	gcgtatctct	360
tccaagtctg	gcaacgcgt	tgtgattgcc	ttccttggct	ctagcacctt	tggcacttct	420
ggctacaagc	ctgaagcttc	cgttcttgcg	gcctcctcgc	gcggcgagtc	ttccatcaag	480
tggactcctg	gtttctctct	cctcgccaag	gccaccagg	gcttctctca	agtcctgtgc	540
gcaacaaaaa	acaacgccta	ctccgacgcc	ggtctcttca	ccattacagt	ctctggaaag	600
gccgaccagg	ttgctgctgc	cagcaagaac	gtggttgacg	ttctcaagaa	gacggctgct	660
ggggagattg	ctggtgacga	gatcaagaag	gccattgcgt	tggccaagtt	ccgtgctctc	720
gagtcgctc	agaccctcga	gaccggcctt	gaggccaccg	gtgctgcctc	gatcaacggc	780
agcaagcctt	accagattgg	tgagattgcc	cagggttctg	acagcgtcac	tgaggcgcag	840
atcaaggatg	taagtctttt	ctcttttctt	actcactgcg	tactttga		888

<210> 11908
 <211> 231
 <212> DNA
 <213> A.fumigatus

<400> 11908
 caaaaaaaaaa aaactacaag aagtaagaaa gagtccgaat ctgagataag aacctgcttg 60
 aaagggtcat ggggtctctat tgaatcatct gcgccgttct cctacttttc tcttatcgat 120
 gccataaaaa atcacgtgta tttgtatcac ctgatctcac ctgacacaga gggcgatgga 180
 aaagccggtt ccgcccgcac tcgtcatttc gaccaatcag caaacgagta a 231

<210> 11909
 <211> 867
 <212> DNA
 <213> A.fumigatus

<400> 11909
 atggaggtaa gatattggcct ttctgcgtgt ctgaaaacca gtccgctaac gaatacttgt 60
 ttctttgcag agaaatacga ggcagctcca attgccctct ctctgaacga agcatttata 120
 gccatttccc tcgccttttg taaccttcat cctattctcg gctccttcg cacatcacag 180
 catctaattc aagctgttgc tccgggctcg tcgccattgc tgcaactgcc atacttcaac 240
 aaccaagtgc tcaaggctat tgaaggcgca gatgccagg atcattacac cgtgcagaag 300
 ttcatgagtt tgcccgaaga caagcggcgc agtctgactg ttggtgctgg tctcctgtcc 360
 gagaagcagt attcaacagc cgtgtccgtc gccaaagcaac taccctgcct tgaagtctcc 420
 agggccttct ttaagggtgat gggggagaag gtcattaccc caagcagtct ggtgcaacta 480
 gttgtgaaag cccgattcat tccccaggt tccaccaaca tccctgaagt gaaccccgcc 540
 gaactggaag aacgtgaccc agatgaggac gacctcgatg ctctcatggg ccgaaagccc 600
 cccaggacag acctaccagg actgtcaacg gccaacaggt cgagaacaag attgagatta 660
 ttcaaccccc tctcgtcac gcacctacc tggtctcgca ccactctcct cgtgggcaca 720
 ttttcctggc cgatgccaaag cagggcaaga tggecggttc tccattcacc ttcaccacct 780
 tcgaccagcc cctgttcgac gaggcaggaa agccaacctt caacgttcag aactcaaga 840
 tgcagttcca ggctcctcct caggtag 867

<210> 11910
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 11910
 aggtatgttc tattgcattc ttttcctgta ttggcaagtc aaatcactaa tcaaactctcg 60
 atgatagatt ctattgctgg ccaaatgcaa gctttgaaaa ccggccaacc acccaggaag 120
 aaggcacgga agccctcaga tgagtctagc gaggaggaga gtgatacggg tggcgatgcg 180
 ggagatacca gcgacacgaa cacagaaact gacgttgagg attaa 225

<210> 11911
 <211> 504
 <212> DNA
 <213> A.fumigatus

<400> 11911
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 aacggccaac aggtcgagaa caagattgag attattcaac cccctctcgc tcacgcaccc 120
 tacctggctc gcgaccactc tcctcgtctg cacattttcc tggccgatgc caagcagggc 180
 aagatggcgc ttctccatt caccttcacc accttcgacc agccctggt cgacgaggca 240
 ggaaagccaa ccttcaacgt tcagacactc aagatgcagt tccaggtcc tcctcaggta 300
 ggagactttt cttttgtcat gcacatgatg tgtgacagct atttgggtct cgacacaaag 360

ctggacatca cgctacatgt cgacgatcca gccaaaggcgg ctgctctcga ggaagaagac 420
gacatcagcg agcctgatga aggtatgttc tattgcattc ttttcctgta ttggcaagtc 480
aatcactaa tcaaactctcg atga 504

<210> 11912

<211> 381

<212> DNA

<213> A.fumigatus

<400> 11912

ggacccaatg actcgggtca aacacatggc aaactgttct gttctctttc tcccattcta 60
caggcagtcg tgatggcgct tcatcccttt gaccccatca cgccggcgga aatccagttg 120
gctgtcaaaa ttctggaagc ggctttcccc ggggtgtcct taagatacaa gaaaattgac 180
gtcaatgaac ctctgaaaaa ggaggtggta ccgtatattg aagccgagag atcacggaag 240
gctttgccgg cggcaccaac tcggttggtg caggtgctgt tccatcgtct tgacaatgga 300
gcattctaca aagcgttgct caatgcgggg accaggtctg tgggtgatgc caaacagctg 360
cccaaagagg ttcaggtata g 381

<210> 11913

<211> 573

<212> DNA

<213> A.fumigatus

<400> 11913

ttgcggacaa gagaagtcgc taacaagata gatccccgcg ccccgtagca ccgcaagcag 60
gcgtttgacg ttggggacgt tggattcggc atcactgcga accagctctc ccttggctgt 120
gactgtctgg ggtacatcaa gtacttcgac gggtagcgtt ccgactccaa ggcccatccg 180
gtgcaactga agaattgcat ctgcttcgac gagcaagata atgggtctgca gcacaagcac 240
accaattacc gcacgggggc tgccacgggtg gtccgtaacc gccagctact ggtccacatg 300
atctgcaatg tgtccaacta cgagtacatc tttgccttta tcttcgacca agcggccaac 360
atctatctgg acgtgcgcgc gaccgggtatt ctgtccactg tgccgtttga caacgaaaag 420
ttcgggacga cagtaccctg gggaacgaac gtcgggcctg gcgtgatggc gcctttccac 480
cagcacatgt tctccttccg tattgacct gccattgatg ggttcaaaaa caccgtctac 540
taciaaagata gcgtgccgat gcccgatgac tag 573

<210> 11914

<211> 408

<212> DNA

<213> A.fumigatus

<400> 11914

aacaacccat atctggtggg ttacaccacc gaacaaaccg tcctgcacac cagcggcaac 60
ggcaacacca gcgtggagcg ccacccggtg ttcaagatcc gcaacgacgc ctgcatcaac 120
ccgatcactt ataaaccggt ggctataaag ctgcagaccg cgccgagcca gatgctgctg 180
gcggggaacc ggtcgtttgg ctacaagcgg gccgagttcg ctaccaagcc gatctgggtg 240
accaagtatc aggatgacga gctgtttgcy gcgggcgaat tcaccaacca gagcaagcag 300
agcgaggggg tggaaaagtg ggtgcagcgc aatgacccgg ttgagaatga ggatcttgtc 360
ctgtggcata gtaagtctga ccgattgttc ttgttgaggc gtcactga 408

<210> 11915

<211> 867

<212> DNA

<213> A.fumigatus

<400> 11915

aaaaggaggt ggtaccgtat attgaagccg agagatcacg gaaggctttg ccggcggcac 60

caactcgggtt	gttgcagggtg	ctgttccatc	gtcttgacaa	tggagcattc	tacaaagcgt	120
tgctcaatgc	ggggaccagg	tctgtgggtg	atgccaaaca	gctgcccaaa	gagggttcagg	180
tatagactct	gtcgatcggg	gaaccttgga	ggaaatgtct	ctgactcaac	ccagggccca	240
gtcgatgcag	acgaactgat	cgaaattgag	cagctctgtc	tgagccaccc	cgcggtgcag	300
gcgagattg	ccaaaatgca	actgccgcag	ggggtgactg	tttgcaacga	tccgtggatc	360
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gatgcgctta	ctcgggaact	tgtccgtatg	gactatctcc	cgggtgggtg	agacaccag	540
gtctccgaga	ctcagccatg	gaagacgggtg	gagaccattc	aatacgcgca	tgatctgtct	600
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acccgcgaag	gggttggtcat	ctacaacacc	acctatgacg	gacgcaatgt	gttttaccgg	780
ctgtctgtgt	ctgagatgac	cgtaccatat	ggagggtatgc	agtggcccat	ccatgattgc	840
ggacaagaga	agtcgctaac	aagatag				867

<210> 11916

<211> 348

<212> DNA

<213> A.fumigatus

<400> 11916

tggcgctttt	ccaccagcac	atgtttctct	tccgtattga	ccctgccatt	gatgggttca	60
aaaacaccgt	ctactacaaa	gatagcgtgc	cgatgcccg	tgactagaac	aaccatatac	120
tggtgggtta	caccaccgaa	caaaccgtcc	tgcacaccag	cggcaacggc	aacaccagcg	180
tggagcgcca	cccgggtgtt	aagatccgca	acgacgcctg	catcaaccgg	atcacttata	240
aaccgggtgg	ctataagctg	cagaccgcgc	cgagccagat	gctgctggcg	gggaaccggg	300
cgtttggtta	caagcggggc	gagttcgtta	ccaagccgat	ctgggtga		348

<210> 11917

<211> 723

<212> DNA

<213> A.fumigatus

<400> 11917

aggatggcac	ccctctctag	catctggggc	tacctgaacg	aggacatcgg	cgaagacctc	60
ctcctcgaat	gccaaattct	ccttctctcc	ttcgccaccg	gcatccaaga	cgccgcgaca	120
tggcccgact	acagctgctt	cgctcgaac	cagaccggca	acacctctt	cctcgcgac	180
gggggtcgccg	gcctcgccaa	caatgcctac	agcttcccc	acatcggcat	gagcctgggg	240
atgttcatcg	cggggggact	cctcgtcggc	cagctgggga	acctgttcgg	agtgcgccgc	300
cgctgtggc	tggtgctgag	tagtgttatt	cagacgggtg	tggtcgtagc	cgggctgggt	360
gtgcagtata	cgctaccggg	aaagcaggag	ggaccggccg	cgttgggggt	cattgcgtgt	420
ttggcgcttct	cgtcgggggg	gcaggtggcg	atgagccggg	cgctgaagat	cacagagatc	480
acaacggcca	tggcgacggc	ggcatatgtg	gatgtgggtg	tggatccggg	actgttgagg	540
gtacataacc	ggccgcgcac	tggcggggtg	ctgttcctcg	tgatgctgac	ggcgggggtg	600
tttgtcgggg	cgtttgcgca	acgggcagtg	aattcgtcct	ttgcgctact	gtgggtgtgcg	660
gtggggaagg	ctgtcgtgac	ggctcgtgtg	ctgtggaata	aacggctgga	gaagacatgt	720
tga						723

<210> 11918

<211> 237

<212> DNA

<213> A.fumigatus

<400> 11918

ccgattgttc	ttgttgaggc	gtcactgacc	gtcccagctt	ttgggcttac	gcacaacccc	60
cgggtggagg	atttcctctg	gatgccgggc	gagcgtgtca	cggtcatgct	caagccggat	120

ggcttcttca ccaagaaccc ggcgctggac gttcccgcac cgactcagtc attcaatcgg 180
tcaacgctgc atccggagcc ggcggttgcc tgcgctcctg ccaaggtgaa gttgtag 237

<210> 11919
<211> 405
<212> DNA
<213> A.fumigatus

<400> 11919
accgggattg atcaacatgt cttctccagc cgtttattcc acagcaacga gaccgtcacg 60
acagccttcc ccaccgcaca ccacagtagc gcaaaggacg aattcactgc ccgttgcgca 120
aacgccccga caaaacaccc cgccgtcagc atcaccagga acagcaccgc ccgagtgcgc 180
ggccggttat gtaccctcaa cagtcccgga tccaccacca catccacata tgccgccgtc 240
gccatggcgc ttgtgatctc tgtgatcttc agcgaccggc tcatcgccac ctgcgcccc 300
gacgagaacg ccaaacacgc aatgaccccc aacgcggccg gtccctcctg ctttaccggg 360
agcgtatact gcacaaccag cccggtacg accagcaccg tctga 405

<210> 11920
<211> 327
<212> DNA
<213> A.fumigatus

<400> 11920
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ttggactata gaccgggatt gatcaacatg tcttctccag ccgtttattc cacagcaacg 120
agaccgtcac gacagccttc cccaccgcac accacagtag cgcaaaggac gaattcactg 180
cccgttgccg aaacgccccg acaaaacacc ccgccgtcag catcaccagg aacagcacc 240
gccgagtgcg cgcccggtta tgtaccctca acagtcccgc atccaccacc acatccacat 300
atgccgccgt cgccatggcc gttgtga 327

<210> 11921
<211> 225
<212> DNA
<213> A.fumigatus

<400> 11921
aatgctccat tgtcaagacg atggaacagc acctgcaaca accgagttgg tgccgccggc 60
aaagccttcc gtgatctctc ggcttcaata tacggtagca cctccttttt cagaggttca 120
ttgacgtcaa ttttcttgta tcttaaggac accccgggga aagccgcttc cagaattttg 180
acagccaact ggatttccgc cggcgtgatg ggggtcaaagg gatga 225

<210> 11922
<211> 942
<212> DNA
<213> A.fumigatus

<400> 11922
agatattatg gaggtcact cccatacccc gtcagccagg atatgcccgt ggagcacttg 60
aagtatctca ccaccgaaca ggctcttgct gatatcccat attttgccgc aaatttcagc 120
cggtgaatc atcctgattt cgatctgaca cccagaggaa ccccttgat tatgatcggt 180
ggatcctatc ctgggtatcc tgcctgcgac actcgcaaca aataccccga taccatattt 240
gcagcttatg cttcgtccgc ccccgctccag gctcaactca atatgagcgt gtactatgag 300
cagatttacc gcgctattgt gggcaacggg tacagtaact gtaccaagga catccaggct 360
gctcttaagt acatcgatgg ccagttatcc aacaaaagga cgttcgcat gatcaaacgg 420
ctttttcttg gaccgatgc ggagaagaac agcaatgaag acttcaccac ggctttggtc 480
actctttacg gaccttttca agctcacggg ctttgagtg gtaatcaaag cttgcccgat 540

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tcgctgggtca	acaggatgta	tgggactaac	tgcaacggtc	ttaatgcac	agagccttta	720
tcatgcgatt	tcagtcaaac	aaacaccatc	cctgagttga	tcagctggac	ttggcaatat	780
tgcaccgaat	ggggcctttt	ccaaaacaac	aactttggct	ctcatgcgtt	tctttcctcc	840
tatcagaacc	ctggagtatc	cacaaggaac	tctgttatcg	ccagttccca	aatggcgctc	900
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<210> 11923

<211> 225

<212> DNA

<213> A.fumigatus

<400> 11923

ctcgtgcaga	tgctcattga	ccacgaggat	ccctcagttg	gcacctatcg	aaacagggtt	60
tgggtcaatg	aagacttcta	catctctggg	agtccgatta	tggctctatga	tattggagag	120
gctacagccg	agtactcggg	ttctttgttg	acaaattcct	catcctggct	cagtctgctg	180
ttgcaggaat	ttaacgctat	ggggattgtg	tgggagcaca	ggtag		225

<210> 11924

<211> 303

<212> DNA

<213> A.fumigatus

<400> 11924

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cagagaagct	gcaaagctag	ccccttgcag	caagtcacac	gatttctcgc	taacatgagc	120
catgaaattc	gaacgcccac	gaatgggtga	atcggcatac	ctcaacttgc	tcgtagtgtg	180
cggcagactt	ctcggactac	cgctaatagc	atttccttta	cagtggacct	aactagacct	240
ttctttcgcg	ctataattaa	gaagcctcct	ttaaagaaca	gtgttcgaac	gtattgcacc	300
taa						303

<210> 11925

<211> 276

<212> DNA

<213> A.fumigatus

<400> 11925

accttggtca	aacaaagacc	atcgactggc	cgtgctatca	atcatttcag	tattgactgt	60
tttcaccaga	agtcgactgt	gctgatttcc	gccttcgagc	cgtttgccac	catctttacg	120
tttgcaattgc	ctaagtgttt	gatatttggg	aacatgctca	ccacacggga	tgtgtccatg	180
atgtatggcg	gctgtggacg	gtggtcagtt	gattccaagg	atctcgatca	ttcgtacaag	240
aatgttaccg	ttgtgattct	gcgaacatta	tcatag			276

<210> 11926

<211> 192

<212> DNA

<213> A.fumigatus

<400> 11926

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cgagaacaat	catccaccta	ccaagcatac	gtcctttgcc	aggatgcctc	aaatgacccc	120
ttcaatcgga	cccagttctc	caaattcccag	gatctcaata	atctaccttg	tgaaaatggc	180
caaaatgtct	aa					192

<210> 11927

<211> 702
 <212> DNA
 <213> A.fumigatus

<400> 11927
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 gactaccaga agatcatccg tgggtgccatc aaggacatcg gttatgatga ctccgataag 180
 ggttttgact acaagacctg caacgtcctt gtcgccattg agcagcagtc ccccgacatt 240
 gctcagggtc tccactacga tgaggctcctt gagaagcttg gtgctgggtga ccagggtatc 300
 atgttcgggtt atgccaccga cgagaccctt gagctccttc ctctcaccct tttgctctct 360
 cacaagctca actctgctat gacacaggct cgtaaggacg gttccatccc ctgggtccgt 420
 cccgacacca agaccaggt caccgttgag tacgctcacg acggcgggtg cgtcaagccc 480
 ctgcgcggtg acacggctgt cgtctctgct caacacagcg atgatgtttc caccgaggag 540
 ctccgtactg tcatcaagga gaagatcatc aagaaggtca tccccgctga gcttctggag 600
 gaccgcacca ttaccacat ccagccctct ggccgcttcg tcatcggtgg tctcaaggt 660
 gatgccggtc tcaactggctg taagaatcat gtcgacacct aa 702

<210> 11928
 <211> 675
 <212> DNA
 <213> A.fumigatus

<400> 11928
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 gggctggatg tggtaaatgg tgcggctcgtc cagaagctca gcggggatga ccttcttgat 180
 gatcttctcc ttgatgacag tacggagctc ctccggtggaa acatcatcgc tgtgttgagc 240
 agagacgacg accgtgtcca cgcgcagggg cttgacggca ccgccgtcgt gagcgtactc 300
 aacggtgacc tgggtcttggt tgtcggggacg gagccagggg atggaaccgt ccttacgagc 360
 ctgtgtcata gcagagttga gcttgtgaga gagcaaaagg gtgagaggaa ggagctcagg 420
 ggtctcgtcg gtggcataac cgaacatgat accctgggtc ccagcaccaa gcttctcaag 480
 agcctcatcg tagtggagac cctgagcaat gtcgggggac tgcgtgctcaa tggcgacaag 540
 gacgttgtag gtctttagt caaaaccctt atcggagtca tcataaccga tgtccttgat 600
 ggcaccacgg atgatcttct ggtagtccag cttggcattg gtagtgattt caccaaagac 660
 cataatcata cctga 675

<210> 11929
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 11929
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 ggcccggcag gcgcgggcaa gtcgacctt tgcagtgcc ttatccagca tctccagacc 120
 acgcgccgaa gttgcttcta tgtgaatgct cgaccccgcc gccgaaagtt tcaattacga 180
 gcctga 186

<210> 11930
 <211> 219
 <212> DNA
 <213> A.fumigatus

<400> 11930
 ggcacaggag ccgcggggagc caaacgacga gcaggacgtg gactacgagg atgccgatat 60
 ttgatcctca tctcgtccac tcacgacgta cgccttacga cctccacact atacgacagc 120

atccaccgac	gtatcgacgt	ctgcacttcg	tcagccgatg	tgcgtatcac	cgtcgaatcg	180
catcagggca	tcttcaccac	cgggctagaa	ggacacgcg			219

<210> 11931
 <211> 771
 <212> DNA
 <213> A.fumigatus

<400> 11931						
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atcacattgg	aagacgtgat	ggaggagatg	gagttgggtc	ccaatggcgg	gctgatttat	120
tgctttgaat	tcctgctgca	gaacctggac	tttttgtcgc	aggcgtgga	cccgtgagc	180
gaagagtacc	tgatcatctt	tgacatgccg	gggcagatag	agctttacac	tcatatcccg	240
ctgctgccgt	cgctggtgca	gtatctttca	cgacaggggc	cgctgaacat	caacctgtgt	300
gcggcgtatc	tactggaaag	tacgtttgtc	atagacaagg	ccaagttttt	cgcgggcaca	360
ctcagcgcca	tgtctgcgat	gctgatgctg	gagatgccgc	atgtgaacat	tttgagcaaa	420
atggatcagg	tgccgggat	ggtgtcgcgg	aaggagctta	agcgattcgt	caatgtcgat	480
gtgaatctat	tacaagacga	gatcgggggt	gcagaagagc	cagtcgaggg	agaccccagt	540
tccaaggata	ctctgctgag	tgggcgatcg	tttaaaccgt	tgaaccgggc	cgtcgggcag	600
ttgattgacg	atttcagcat	ggtgtctttt	ctgaagcttg	atgttcagga	tgaagacagt	660
gtgcccgcgg	tgctgagcca	tatcgacgac	gccatccagt	ttcatgaggc	acaggagccg	720
cgggagccaa	acgacgagca	ggacgtggac	tacgagggatg	ccgatatttg	a	771

<210> 11932
 <211> 279
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (61)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11932						
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nacttgctct	actcaaaaag	ccaccttggg	tttaccctcc	tattaccatc	ccagtttcgc	120
tcggcgtcaa	cgcacgcggg	gtctgctggc	ggctcgccca	cggagattgc	ccctcctcga	180
ctcagcacag	tcgctaaact	cacatctagc	tggcaggccg	gttcgaacct	ccgagttgga	240
cctttcttcc	ccattgtcat	ctccctgatg	attccgtag			279

<210> 11933
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 11933						
caagaaactt	tgcagaaggt	tgtatctgta	tcgtactgtg	acggtttcgc	gcaacaatac	60
aacgtatctt	acagggcatt	cgagtgcctg	tgtttctacg	ctgcaaataa	atctcactcc	120
acgtccatcc	atctctgtcg	ttgcggacag	tcaggggtca	aaaggagcgc	attgtctccc	180
tga						183

<210> 11934
 <211> 333
 <212> DNA
 <213> A.fumigatus

<400> 11934

cggtctattga	acccatcctc	taccctgcaa	cacatgttgg	atctctgggg	ccagcgtcgg	60
cctatgagat	tgaatacttg	gtacgataag	gtcaaataag	acgacatctt	tatcttcttc	120
ggcttgatgc	tgcttggttg	cactgcgaat	cttggtcggg	agagcattct	tctccttttc	180
aaccgcgttt	tgatcctgc	gaggccggtg	agcggtcgct	acccccctct	tctgaccgca	240
tttgtctgcg	cccatgggtt	tcttttcaca	agaggcgaaa	tcaactcggt	tctgctctcc	300
gcggatcagt	ttctgtctat	tttagataga	taa			333

<210> 11935

<211> 216

<212> DNA

<213> A.fumigatus

<400> 11935

tatatactcc	caaatagcagg	aaattttaatt	aacattaatc	atgtctccca	ctcaacaatc	60
tggttttatgg	tcttggtgtg	ttcttttagt	gttattaagt	accatagatt	gcctagaggg	120
gtgctgtcta	atatctctat	aattatatac	ttagcactaa	ctagattttac	ttttattaag	180
taccaagcat	acaccttagg	ggtgggaaat	ccatga			216

<210> 11936

<211> 342

<212> DNA

<213> A.fumigatus

<400> 11936

tttcggacat	cttcctggtc	tgcccttggtt	agtatctata	taagggtaaa	aggcaagaac	60
agagagagca	gaagaagttt	tggaacctgca	ttttatagag	agattcttct	gttcttagat	120
tttcgacccc	tttttaactg	gaatgacagg	ggattaatat	attataaaga	tgatttctat	180
aagccaacaa	gcgcagtcag	tcttcaggct	tctggggtag	atgttgtag	acctctggaa	240
tataatattc	ccgaaatccc	aagtcccatt	gtctactact	actgtactac	atcgcgaaag	300
gctagaagtt	tgagattcct	tctgaacaat	gttctcattt	aa		342

<210> 11937

<211> 1614

<212> DNA

<213> A.fumigatus

<400> 11937

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ctacagcaca	agaaggaata	caccgatacc	cgcgggctgc	gctactgtca	tttgatgatc	120
atgaccgatc	aggatcatga	cggcagtcac	atcaagggct	tgctcatcaa	cttccttcag	180
gctcaatttc	ccagtctgct	gaagatcccg	gagttcctga	tcgagttcat	cactcctatt	240
gcaaagggtt	ggaagggcga	tcccaagaat	cctaccaagc	aacactcggt	cttcaccatg	300
cccaggtatg	aggcctggaa	agaagagcac	aagcatgaac	gtggctggga	acacaaatac	360
tacaagggtc	tggttacgag	cacgactgaa	gatgctcagg	tctacttccg	tgacctcgac	420
cgccatctga	aggagttcca	taccctgcag	gatcacgaaa	cggagctcat	tgagcttgcc	480
ttttcgaaga	agaaggccga	cgagcgaaaag	gaatggctgc	gccagttcaa	acctggaacc	540
tttctggatc	attcgtcga	taagatcacc	tataccgact	tcatcaacaa	agagctcatc	600
ttgttcagta	tgccagacaa	tcagcggctc	atcccttctg	ttgtcgatgg	cttgaaaccc	660
ggtcaacgta	aagtccgtga	cacgtgtttc	cgtcgcaatc	tcaggaagga	tatgaaagtt	720
ggtgaactcg	cggggcatgt	gtccggtatg	accgcgtacc	agcatgggtga	tgccctccctg	780
caacagacta	tcgtcgggtc	cgcgagacg	tttgtcggat	caaacaatat	taattgcctc	840
gagcccagtg	ggaatttttg	aagtcgtctt	caaggtggcc	aagattgtgc	tagtgctcgt	900
tatatctaca	cgagactgtc	gccctttgcg	cgctcgtgtg	tcacgcgccg	agatgactct	960
cttctcactt	acaacagga	tgacggcaaa	aagattgagc	cagaggtcta	tgttcccggt	1020
gtgcctatga	ttctgattaa	cggtgctgat	ggtatcggca	ctggttgagg	ttcttcaatt	1080

cctaactaca	atccggaaga	cattgtggac	aacctgaagc	ggctgatgga	tggccagccc	1140
gtcaagccca	tgcagccgtg	gttccgcgga	ttcaccggcg	aagtcaactgc	tcttggaggc	1200
gatcgcttca	agttcagcgg	tattatcaag	gagactgggtg	acaaggaggt	ggagattact	1260
gaacttccca	tccgcacctg	gacacaggac	ttcaaggata	aacttgagga	aattatcaag	1320
gccgagaaaa	cgccatcctt	catcaaggac	tacaaggatt	acaacacgca	caccaagggtg	1380
cactttgtca	tccagatgga	cgagaagaac	ctccagtcgg	cccgggagga	aggattggag	1440
gaaaagttca	agctatccaa	gaccatcgca	accaccaatc	tgggtgcttt	tgacctgaa	1500
ggccggatca	ccaaatacgc	ttctgtcgac	gacatcttga	aggaattcta	cgcagttcgt	1560
ctcaagtttt	acgaacgtcg	caaggtatgt	ggctctcacg	cctcgcgtat	ttga	1614

<210> 11938

<211> 801

<212> DNA

<213> A.fumigatus

<400> 11938

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gtgcagatga	tcattgacgg	tgaccttgtc	atctcaaaga	agaagaaacc	tgctcttggt	120
gccgagttga	aaaaacatgg	cttcaaggcc	ttccccaagg	tgattgatgc	tgtgaaggcg	180
ggcgaggatg	cgccagtagt	ggaggaagaa	gaagacgagt	ctggcaacga	cgagaccgag	240
gttctatcga	gcgcttacga	ttatctcctt	ggcatgcctc	tgtggtctct	gaccacagag	300
cgcgtggaaa	agctgcgacg	acagatcgga	gagaaggagg	ttgagataga	cgccttaatt	360
aagctttcca	aggaagatat	ttggaagcgc	gatcttgacg	actttatcaa	cgaatggcga	420
ttccagcttg	aggatgaagc	ccgccgccaa	cgcaaggctg	ctaatatggg	ccgccgtacc	480
tcggcgaaagc	tcattgactgc	cgccggctcg	ggaaaagcaa	ccaagaagcg	caaggcggcg	540
ctggacgatg	attcggacga	cgaagacttt	gcggtctcaa	agtctaagaa	atcagcagca	600
gcaaagaaga	cagaacctaa	tggcggtctt	ctcagctact	tgaggcaagc	atcggcgaag	660
cctgctcctt	ctggcgatgg	aggcgattct	gacgatgatt	tcgaggtaga	agtgctaccg	720
aagaaaaaca	ggggggcagc	aaccaaggcc	actaccaagg	taaaggatga	ggatgaagtt	780
atggacgacc	tggcggaata	a				801

<210> 11939

<211> 765

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (645)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11939

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aagcccaagg	tcgaggatga	cgacgacctt	gatgacgatg	aattcatgga	gattgccaaa	180
gcagaggcag	ccaagtccgt	caagtcccag	ccgaatcgga	caagcaggaa	gatcacaac	240
tatacgcccc	tagacgactc	ggacagcgat	aacggcgacg	atcttcttgg	cgatgtgagc	300
aagatggtca	agggcatttg	aggcgctacc	ggcgactcca	cgaccgattc	acgccagctc	360
ttctccgagc	gatcccgccc	gagcagcagc	tcctctggct	taaaggtcag	cagctccaag	420
ccctcgaagc	tatccaccga	tttcgatgcg	gatgagacgg	actacagcaa	attaatccct	480
cagaactctc	cccgcgcgat	gctgcaagtc	aagcccaagg	agaccaaagt	caatgatgat	540
ttcgacatgg	acgatgacga	tgacggtgat	cccgtgaagc	cagctgcccc	ggctaagcca	600
gttgccaaga	agggcaattc	ggccggcact	gctgcgtcct	caaancccg	aactgccctt	660
aaaccgcgtg	gcgcgccaaa	gaaagaatgc	ggcgaaaccg	gtgctccggc	cccaggtctg	720
aaccaaacaa	tctgttccct	gccgcctaag	gccttttctt	cccaa		765

<210> 11940

<211> 405

<212> DNA

<213> A.fumigatus

<400> 11940

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ggtttcgcct	tggcggcagc	tctgcccttc	ttaggagcga	tgtcttcaga	atcgatcatcg	180
gcttcttctt	ttggcttagg	tgctggtttg	gcaggtccgc	ggctcttttt	tgggagtatt	240
tattcgcccc	ggcgtccat	aacttcatcc	tcatccttta	ccttggtagt	ggccttggtt	300
gctgcccccc	tgtttttctt	cggtagcact	tctacctga	aatcatcgtc	agaatcgctt	360
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<210> 11941

<211> 405

<212> DNA

<213> A.fumigatus

<400> 11941

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tggctaccgc	tcgctgtccc	gcattgcgtg	tcgagtcctt	ccggcagcga	ggacacaaag	180
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gcagagagac	ctggcatccc	ctgtgagatg	ttttcgcgga	ttgtgcctgg	gaagaggggt	300
ggctcttgct	gcactagggc	cacgtgcctg	cggtatagga	gtggattgag	aaaggataaa	360
ggtgcagatg	agtcgatggt	aatagtgccg	ttagttgggt	cgtag		405

<210> 11942

<211> 429

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (2)

<223> Identity of nucleotide sequences at the above locations are unknown.

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cgacttgaga	ccaaaatgga	cgatgaaatt	gggcagaggg	tgtcagttag	tgcatcgata	240
gcgtcggaga	cggtcatggc	gatccgcacc	gttgcgtcgc	tcgcattaga	aaacactgtg	300
ctgaagaaat	ataccgatga	gctcgaccga	gcgatcatcc	aagcgagcgg	gccgatgttc	360
catatgatga	tctgggttct	tctcacgcag	tccgtggagt	atthtgtgct	ggctttgggg	420
ttctggttag						429

<210> 11943

<211> 693

<212> DNA

<213> A.fumigatus

<400> 11943

attcagagag	gtgactttgt	aggctttgtt	ggtgcctcag	gctgcggaaa	aagcaccatg	60
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gcacctttat cttttctcaa tccactccta taccgcaggc acgtggccct agtgcagcaa 180
gagccaaccc tcttcccagg cacaatccgc gaaaacatct cacaggggat gccaggtctc 240
tctgccacgg aagcagcatc cgacgacgca ctggaggagg catgccgggc cgccaacgca 300
tgggactttg tgtcctcgct gccggaggga ctcgacacgc aatgcgggac agcgagcggg 360
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aatccccgcg tgcttttgct cgatgaggcg accagcgcgc tggataccga gtcggaaaag 480
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atcgtggagg ttgggtctca tgacgagctg cttgctaaag ggggattgta tgctcggatg 660
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<210> 11944

<211> 663

<212> DNA

<213> A.fumigatus

<400> 11944

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ccaacgcatg ggactttgtg tctcgtctgc cggagggact cgacacgcaa tgcgggacag 180
cgagcggtag ccagctcctt tcaggggggc agcggcagcg cattgccatt gcccgggcac 240
tggtgcgcaa tccccgcgtg cttttgctcg atgaggcgac cagcgcgctg gataccgagt 300
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ttgccgtggc gcatcgctctc tcaacggctg gtgatgctaa ctgcatattc gtatttgatg 420
cagggagtat cgtggagggtt gggctctcat acgagctgct tgctaaaggg ggattgtatg 480
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gcttcgacgc ctttttgggg actggtaatg atgctccaac ctgtcactac caatgttgct 600
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tga 663

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<210> 11945

<211> 210

<212> DNA

<213> A.fumigatus

<400> 11945

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ggtatcctta gctatttttc ttctactatt ctattctatt ctactattat tcatcttatt 60
cctcctattc ttctcttctc tcttttatat ctaggcaagc cgactattcc cctttgcatt 120
tgtagaattt cctttatcat tgatatacta tttagtatat actgtttcat tttcatccac 180
agctggcaag actcaacaag atatcactag 210

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<210> 11946

<211> 1899

<212> DNA

<213> A.fumigatus

<400> 11946

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gaatattcaa tcaaccaaga ctttcaacaa ggcgactac agcttgcgga tgctctcaac 120
attgatgaac tggaggccgc tgttctattc tttgcggcgc aggaggaagc tcaagtactg 180
gatagacctc cgctgatcgc ggcaattatg cgcttctatg aacggcggca cttccttctt 240
gaatgcttac gtctgattct tcaagaatcg tttgagggtg agcgggaagt gacgcaagct 300
ctcatgcaag atatggtggc attcgtctg gagatcaaaa ctggaccctt acggaatgca 360
tcgctttttg cgcgggaagt catgaagtct atggaagata tcgagggatg gttgctgctc 420
cttgggggag agattcaaaa ggcattccatt gtccggccagg tggaggatcg cgatgttatg 480
gaagccattg aataccaacg cagcagcctg cagcaacaac acgagtcatt aggcgcaatt 540

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ctgtgctatt	tcttcaaagg	accttatacc	agccctgagg	accttcgggt	gctcctgaat	600
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tcgtcgtttg	tccagcacgg	ctcaccagaa	cggtcgaatt	catacaaaga	ggccaggagc	720
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gcagctgtca	tcgcgctttg	gcttgcggtt	tacagtggct	gggatatcga	tgggcccagc	840
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ctagagattt	ttgtggagtc	ttgcattgcc	aacatgccag	atgcagttcg	aaagctgaaa	1140
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ttaatgacgg	acagaacgtc	ccacaatggc	aacgagatgt	ggctctctct	tgaccaatgg	1860
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<210> 11947

<211> 189

<212> DNA

<213> A.fumigatus

<400> 11947

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<210> 11948

<211> 1434

<212> DNA

<213> A.fumigatus

<400> 11948

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<210> 11949

<211> 216

<212> DNA

<213> A.fumigatus

<400> 11949

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cgatctgaca	gcctggcagg	tttgtctaca	gctgagccgt	ttaatggtaa	ctttgctgat	180
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<210> 11950

<211> 516

<212> DNA

<213> A.fumigatus

<400> 11950

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ctggacattc	tcgcctttat	cgtccagctc	gcagggtgcca	gcataccac	ccagcgcgag	180
gtgccaccca	gcaccatcat	gctcgggata	cacatctaca	tgggcgggat	cggactccaa	240
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atggagaact	atgggggatt	agacaacgaa	aagaccaccc	gcggctccgt	ttcctggcgc	360
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ggggagaggg	gtatactgac	aaaagtcgca	gatccgaatc	atcttcgctc	tttgccagta	480
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<210> 11951

<211> 183

<212> DNA

<213> A.fumigatus

<400> 11951

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<210> 11952

<211> 189

<212> DNA

<213> A.fumigatus

<400> 11952

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gaagctccta aaacaacgat cttaaagccc tttagacgct tcaaaattag ctatccagca 180
gcttattaa 189

<210> 11953
<211> 1290
<212> DNA
<213> A.fumigatus

<400> 11953
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gaagcagagc aggaacctcc tgcagctgct cagtcgggtt cagctcatcc ccttcccgcac 180
catctcgatt cgcgacgctc ctcaacctac gaacctactt ctccgaagtc tcctgctctc 240
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ccacagttcc agggcagggc tcctccgcca cctcctggca acatccgccg tagatcaaca 360
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gaagtcaccg agtatgatgg ggattacgat acggatatcg cgtctggagc cagattcaaaa 480
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<210> 11954
<211> 654
<212> DNA
<213> A.fumigatus

<400> 11954
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actcatcagg caccgaagcc tgagaaaaag gaggctaacg acaagcttga acaggacgag 180
ggaaatgaga gtgatgaaga agaggacgag gaagaggaag agatcgaccc cgaaatcaag 240
cgtaggatgg agctcagga aaggatggcc aagatgagcg gtggtatggg tatgatgggg 300
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gctgcggaga cagagaaaaa gacggaagac tcagatcggg ctgctagaa aactgctcca 420
ccagtccccg tgatggcgct gccgggaatg aacgccgtta ggccaacagc agcttctcca 480
agcgtagaga aggaagagga tgtgectcaa tctgcttcag ttaccgaaca gcactcctc 540
caggatattc ctgatgtaga agacgtcgtg aaggaggatt cttctcatcg ggttctctgat 600
gagacgcctg ccgcacctca gggatatgat cctgttttct ccaacggaca ttga 654

<210> 11955
<211> 390
<212> DNA
<213> A.fumigatus

<400> 11955

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aagcgtgacg	ggccagtcac	ccgtaacatg	ctccgattcc	ctcactccgt	ccagaccgaa	180
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tttgatcgtc	tcattctgtca	tcccgcacgt	ttggacgccc	tgaacaaagc	cgggtgtctt	360
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<210> 11956

<211> 1128

<212> DNA

<213> A.fumigatus

<400> 11956

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ctctcgacgg	ccgacattgc	cctttggggg	gccatccgag	gcaaccgtgt	cgcagttgcc	180
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gaatacccg	atcgcaaccc	tcagtaccag	tggttcttgg	acacgctcaa	gcttcgccat	1020
gtccaaatct	gggattttgc	tgcgatgaac	ttcattcgca	ccttgctgtc	taagagaaaa	1080
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<210> 11957

<211> 333

<212> DNA

<213> A.fumigatus

<400> 11957

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attgatcctg	tgcacctcgt	tcacactgcc	attctcaaga	aggatatggg	caaggcgatc	180
gtcaaggagg	gcccggctac	accttacacg	gaagagaaac	ctaagcacgg	caagaaccct	240
gcagttggta	tgaagaaagg	ggttttggtg	acacgggcat	tttcgaccag	gaagatgcca	300
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<210> 11958

<211> 570

<212> DNA

<213> A.fumigatus

<400> 11958

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cggggccgcc	cgggtgatccc	cagaataaat	aaatacatat	accctcatcc	catcctcttc	180

actttctgccc	aagaacctca	ttcacaaattc	acagctcaaaa	atcaagatga	ctcgggattgg	240
ctgggtaagt	cttctccaga	ccagacaaac	ctagactcac	agcactctaa	tgacctgaac	300
cagtatggcc	tccgctccat	gggcctggcc	atggccacca	acctccagcg	acatctagcc	360
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atcttcacca	tggtagcccc	cttctatccc	gaggagact	gcgaaacgca	taataataga	540
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<210> 11959

<211> 189

<212> DNA

<213> A.fumigatus

<400> 11959

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aaggatagt	caatggcagt	tattctatat	aatcatcaat	acttcgtgct	caactcgctt	120
gcttacatct	atactacgta	caaggatcaa	ccgggcaggc	agctggacgg	gtcctggaaa	180
cctattttaa						189

<210> 11960

<211> 345

<212> DNA

<213> A.fumigatus

<400> 11960

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ggccactcgc	tcaaagacaa	gatcttcgtc	gactgctcga	ccgtccaccc	gcagacgggt	120
ggcctgaccg	tctccaagct	aaaggagaag	caggcttcgt	tcctggctgc	acctgtattc	180
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gcgggcggagg	ttgtcaagcc	gctcatccag	gatgtcatgg	ggcggaagat	catcgactgc	300
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<210> 11961

<211> 264

<212> DNA

<213> A.fumigatus

<400> 11961

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aacccccctaa	agaaccgcga	gaagatgtgc	gaggtcatgc	tggacaata	caactttgga	180
ggcgtatacg	tcgctattca	agccgtgctt	gctctatacg	ctcagggtga	gtgcaacggc	240
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<210> 11962

<211> 594

<212> DNA

<213> A.fumigatus

<400> 11962

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<210> 11963

<211> 246

<212> DNA

<213> A.fumigatus

<400> 11963

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<210> 11964

<211> 450

<212> DNA

<213> A.fumigatus

<400> 11964

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accgatcgcg	aagacaagct	tcccgctccac	ggcgatcggg	ttgcccccca	atacaggtgc	420
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<210> 11965

<211> 297

<212> DNA

<213> A.fumigatus

<400> 11965

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caagcttgta	caaggccatc	gtcctcagcg	gtggaagcag	catgtacccc	ggtctgccgt	180
cgcggtgga	gaaggaactc	aagcagctgt	ggcttacgcg	ggtactccag	ggagaccctg	240
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<210> 11966

<211> 579

<212> DNA

<213> A.fumigatus

<400> 11966

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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaattc	tgaaggaaga	aagaaagact	180
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<210> 11967
 <211> 369
 <212> DNA
 <213> A.fumigatus

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	360
	369

<210> 11968
 <211> 387
 <212> DNA
 <213> A.fumigatus

<400> 11968	
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gaagatctac	agctacagac
aaaggatggg	agaaagggga
catctgccga	tatcttctca
ctgccaagaa	gacccgcata
	60
	120
	180
	240
	300
	360
	387

<210> 11969
 <211> 270
 <212> DNA
 <213> A.fumigatus

<400> 11969	
gagtgttctc	caagagcgct
tcgcattcca	gaagagaaac
agcgactacg	aggccggatc
ctactaaaga	aaatgttgcg
tcgaggatct	cgcgggtcga
	60
	120
	180
	240
	270

<210> 11970
 <211> 195
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (152)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11970

aacggaaggg	aatacggcga	tgcaaccaca	gggggctata	acgaacactt	gcgtcactgt	60
ttcaaattga	ttatttctaa	cgacctcaaa	ttaaagaatt	cattcacttt	gctaaaaaag	120
ggccaactat	ggggcatttc	tattaaattc	ancctttttt	tgaccaacca	caaatttctt	180
gtttattccc	attaa					195

<210> 11971

<211> 1794

<212> DNA

<213> A.fumigatus

<400> 11971

ggacggcctg	gaagctcgca	acatatgcc	gccccgcgc	agcaccagga	caatagtctt	60
ttcctggtgg	ccgatgacca	gttttgctgc	gacgcccaga	aagctctggc	atcgctgcgg	120
gatatattgc	ccccgtacat	gatcccatcc	gatctgctgc	ggatctccca	tctacccatg	180
gtaccgtcgg	gaaagactga	ccgtcgattg	atccggatgc	gtgcggtgga	tctggcgccc	240
gaggagagga	gaaagtacag	cagtgtgctc	ggtcaatccc	gggaccaacc	agtaaccag	300
ctggaagagt	cgctgctggg	gctctgggct	acctgctc	agcttcctcc	ttcgagatc	360
ggtgtcctgg	ataatttctt	ccacctgggc	gggggctcac	tggaagccat	ccatctcgcc	420
gcggaagccc	gaaacatggg	gttcgcggaa	ttatcctcag	cagctgtgtt	ccagtgtccc	480
accattcggg	agatggcagg	catgttggac	ggggtgacgg	cctctgtcca	aggacaggac	540
ccccgcggct	gcacctcctt	ccagctggag	tcgtcactgg	tggctgaatt	gctgcggaaa	600
agtcaacgca	cgctcgagga	cctgcaagaa	gggttcctac	cccttactcc	cttccaagag	660
aaaaccgcga	agatgaagcc	gatgcacctg	ttgctcgaca	ttcccgccat	cgaccattcg	720
cgctcagagg	ccgcttgggc	gctcgtgcta	gaaaaacaca	tcagtttccg	atccatctac	780
gtggagcacc	aaggccgtgt	ctaccaagct	tttctgcgcc	aacctgacac	ggtctctatt	840
cctatcagat	ggtgcatga	accagtgc	gaatgtgcgg	caagattctg	cgaacaagat	900
gtggatctga	tcctggatgg	ccgcccctgg	tggagcatga	ccagaatcaa	caacaagatc	960
gacggtgttc	tcgtgctccg	actgacctat	gcccgaatggg	atgctctaac	cctggatgtg	1020
cttttcaaag	actttatggc	ggcctacgag	agtcgcgaac	tctctcgccg	agacctggaa	1080
tttcccgcct	acatgcggtt	ccgtctgaga	cacaatgctg	cgccggcaac	agtcagattc	1140
tgggtcaacgt	tcctgcacgg	ttcccggctc	actcagcccc	tgcttctcga	tggcgccg	1200
gaggtagacc	caggaaatga	ggcgatggtc	tttgtgtctc	agcagattcc	gatgttgacc	1260
cctcctcag	ggattaccct	gggttcctga	tttcggggccg	cctgggcttt	cgtgctggcc	1320
cgctacaccg	ggcaagagga	cgtggtcttt	ggcgagtttg	ttgagggtcg	ctccctgctg	1380
gtgaaaagcg	tggagaaggt	cactggctgc	gcagctgcgg	agaccccat	gcgcacgtc	1440
gttcgcgcc	cggcatcggt	ccgcgacctc	ctcaagcatt	cccaggagca	atacgttgcg	1500
cgaattccgt	acgagacctg	cgagctggaa	gatatcgtgc	catccagcac	ctcctggccc	1560
accgacacca	cgttcaacca	tatcctggtc	atacagcatg	agccagtgt	tcctcctgtg	1620
gctctggatg	ggcgtccatg	ccgcaccggg	tggccttcca	cggacggctc	gaggacgtct	1680
acgtccaaat	ggtgttcggc	ccggatacgc	tgcacgttgg	aatgtctggg	ccggagatcc	1740
ggctgtccag	gaccattg	accagttgg	ttgagaagct	ggcgtcgaca	ataa	1794

<210> 11972

<211> 351

<212> DNA

<213> A.fumigatus

<400> 11972

gataaattca	atgctcacga	gagttggg	ggaggcgag	caagcattga	cgatgcgctg	60
gcaacgctca	gcccttggcc	tggccgtgtt	agacctggg	cggtcattcg	ccatactctg	120
cccagagaagc	tggtagacca	cgcgctcatc	tatcgccgc	cgctggacac	ctgggtgtcc	180
gccgggggac	gcgtgatgct	cattggcgat	gccgctcacc	catactttcc	cgctcgtcggc	240
cagggaggca	gtcaggcaat	cgaagacgga	gtgggtggtc	ctacagcgct	cgaattggcg	300
gggaaggaga	acgttcgcgt	ggccctacgc	gtggcagaga	agatccggta	g	351

<210> 11973

<211> 318
 <212> DNA
 <213> A.fumigatus

<400> 11973
 gactcgctaa tgaaattgcc ggccggcagcg ggccgacgcca ttgtcatcgg gcccattgcg 60
 gtccgcttga tcaagagctg gggcgagcag ctttgcgagg agatcgagcc tcatctgtcc 120
 aacgcaacgc atgctggagat gctcgatcat cacgatcgat tcattgtccg acatgaactg 180
 gccgggagag ggaaaggggt gttcaccaac cgaggggcgg tgcttagcat cctctacgaa 240
 catgcgcgaa agctggggat cgacatccga ctgggatccc gtgtcgccaa ctactgggaa 300
 gaggacggcc gcgcatga 318

<210> 11974
 <211> 588
 <212> DNA
 <213> A.fumigatus

<400> 11974
 cttttgttct cagatatcct catggatggc ccaccagcac agtcattggg tgttgagcct 60
 gtcgaccga ccataatgaa tcgcccaccg cgatcgagaa cggcacgggt tcttacgaga 120
 ccgctgattc aacgagtact tacgtcggcc tttatgatta tgctcggtag gttggcgatc 180
 tatgtctacg agatgggcca cgccgatgac ctctccaccg cggggaagcg ctcccgtgtg 240
 gtgactggcc acgacacgac tatgacgttc acctgctttg tccttttcga catgttcaac 300
 gctttgactt gtcgcagcga gagcaaatcc gtgtcgcg gcgagctgcc actcttcggg 360
 aacaagatgt ttaactatgc ggttctgggc tctttgttcg gacaggcttg cgtgatttat 420
 gttccgttct tccagcgcac tttccagact gaacccctca acgcccacca cctattcaag 480
 cttctgtgcg tttcaagcac tgtgttcttg gtggacgagg gtcggaaata cctgaacgcc 540
 gtcaagcggc gaagagcagt tggggggagg tacagtgtca atgtttga 588

<210> 11975
 <211> 1557
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (669), (1522)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11975
 tttgtcgagc tagccgcgaa ggctgcggcc atttgcggcg gccgagaatg ctcaactgcc 60
 gctacacagg tccaggttct gaatctggaa atccataacc cgctcgggca cgcgccagga 120
 gctcgcgttg gctcaggct caaacgcac ggatcatgca agtggggatt ctcaagtatc 180
 agtgacaaag acgtccagag catatgtcac gcgacaggag taatttctct caggcaggag 240
 cgacatggca aactcgaaat tgggccccag tggtcagtga tccagagggt aatcggatac 300
 agccatatcc aggacgtgct tgatgactct tcggcgattt ctctgaaaga aggcataatc 360
 tataaagtgc tggaaaaagt ggccgagtag aagccttgcc atagagccat caaatccatg 420
 actataaaaag gactgcggc agtcgcacag ctggagatgc cggcaattag ccgcgatagc 480
 tcggagataa cagtgtccga tccgcttgtg atggaccagt tcgcattgat cgcagaagta 540
 ctggcacttt gcagagatga tggcaaaagg gataatgtat tcatctgctc gggcctgagt 600
 gagttagtca cattcaagag cctccaatcc gggttgggac catggactgt ttatactcac 660
 caaacacctg gcgggcccag ggagctcctg agtgacacat ttgtatttga ctcgaccagt 720
 aagcagctga tcatggcct acttggcgca aggttcgttc ggattaccgc cagttccctc 780
 aatggaatcg tcaagagagc caatctcaac agtcaaactt cggaactttc agtcgagaca 840
 gatgcggtta accaccagc cagtgtagct taccaccgt caaataacaa cgatacctca 900
 gatattctct ctatattgag tcatctgctc cagcagataa ctggacttcc cccaagcgag 960

```

atttccgccg gcacaccct catggaagcc agtgtcgatt cccttgccgc aactgagctg 1020
gagaatcgaa ttcaagaaga gtccatctc cacaggccta tctccctcta tgaaagacag 1080
tttaacggtg gaacgctttg ccaagaaatt cagacgcage gagacgaccg gcttgctcga 1140
gcttcgcgaa cgacgactgc cacacgaaat acttcattct ccctcgcccg acgtacatca 1200
tccactgaat cactacctga tgatgcggag gcacgattca taagtaagag cgctgccgtg 1260
cttgcccagt tatccagaat gttgtcggaa agcttcaaca tcacagagag catcctccct 1320
ggaactgagc ttcaagctct gggcttggac tcattagttg ccgttgagct cgagtacgac 1380
ctacaacaag catttggtct gaaagtggat ttgatgcaac taagtccga gcctacgggtg 1440
ggtggactcg ctgggttat tttggcgtcc gagtctcaga cgtctggcca catagcgtct 1500
tccatgatgg attgtagaca gncgacagaa ggaaagagcc agatgtatct gggttga 1557

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<210> 11976

<211> 285

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (96), (175)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11976

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ctgaacgttg gtgggtattg cattgtcaat tggattaatt acggcctctc tttccgtggg 60
gcctccatcg catggagggt acccattgcc ttgcanctgt tcttcatctg cgctttgttt 120
gccacagttc catggctccc tgagtctccc agatggctcc tcgcgcacgg gccnaaaaa 180
gatggagtcc aagtgtctc ctgcattgaa cccaagccta tcgacgacgc ctacattatc 240
actcatcacc atgagatcca gtaccgcatc caataccagc gttga 285

```

<210> 11977

<211> 273

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (268)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11977

```

ccctttgtgc taggtggcgt ggtcgtaacc cccgacttcc tcgaattgca cgacttggtg 60
ggtcccacca gaacaaaat tctctctaca gtaacggcca tctacgatgt tggctgcttt 120
ttgggtgcca ttcttgctt tactctgggt gagcgcttgg gccgcaagaa gagtattctc 180
ctgggaacca caatcatggc agttgggacc gttctgcaag cttcctcctt caggctaccc 240
cagatgttcg ttgggagggt catcttangg taa 273

```

<210> 11978

<211> 555

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (457)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11978

tggatggaag	gactgggagc	cgatgtactc	cgtccatata	gattcgtgca	aggtctcttg	60
aggccagatt	ttcttcttga	atcctctgag	aatccagagc	agattgagaa	ttatcggatc	120
tgtgagatta	acgctcgttt	cttttcaaac	ggctttctct	ttactgcctt	cggccagcag	180
gctctgatca	atatgggcat	tgagaaatat	ggtctcaagg	gagctactga	ccctgaaaag	240
gtaagtcata	ctgtgccgct	ctacgagact	aacaagggtta	acagaacaca	ggttatcact	300
ggtctgaata	agcttggttaa	cccttctctc	cccttgcata	tagcaaaggg	tgaggaatac	360
ggattcgata	ctcatatgtg	ggttccatat	ctgcaacaaa	atctggccat	ggatgtcaaa	420
gtcataccac	ctgaaaatct	tccggtggta	cccgcancaa	ccccagggg	gctcaacta	480
tactgtctat	ctagcccaga	ttgcaagcca	ccacaagtta	ccaatgaaag	ttgggcgatt	540
gtctacaaga	ctttc					555

<210> 11979

<211> 1041

<212> DNA

<213> A.fumigatus

<400> 11979

tgtcagtg	atattgcctg	gaatggagta	ttggttaaca	aatggaatag	agcttttagat	60
cttatggcgg	agacgtttga	gggatccggc	gcctctgtcc	tttgcgctgg	tagcttgatg	120
gaaccggacc	agatgattga	gattctgctt	gagtaccgag	tcaatgccat	tgctggggat	180
acaagtcaga	tcattgcagct	atcaagatat	atttgcaccc	tgccagacga	tacgagaaaag	240
caactgctga	tcaacaaagt	gatatacacc	tcagagccaa	tgactccggt	ccagcgcaag	300
tttctgagct	ctgttttccc	caatgtggct	gtctcgtcgg	tgatcggcag	tgagaggct	360
gggccttg	ccacttctcc	agctcagctg	acggaggctt	ccaaagggca	gaactatgcc	420
gacttcgtgt	atgaccagcg	gctgatgcac	ctcgagggtat	tccccttcga	catcgaagag	480
tccgacgggtg	cggggccttg	tagtgctcgc	cctgttctctg	atggcgagaa	gggtctactt	540
gtccaaacat	cactccagag	aatgcgtcat	cctctcatcc	gttacatctg	cgggtgatgtc	600
tgctcactcc	atcctttacc	ggcgctcaatg	aaaaacatca	tcccagcgga	ggacgcagct	660
cactacaagg	ttgcgcgtct	gtatggacgc	gaccgaagaa	tcagtttcga	ttggtatgga	720
gagtacttcg	aattcgccgt	catccaggat	gcaatgcgaa	ccgagtcag	gggcatctta	780
caatatcaga	tcattccggcg	gtataacgga	ggcgataaga	ataaccttga	cattgttctt	840
gagctgcgtg	tgctgcgaca	taatgaaccg	ggcgcaatta	gcaccgatga	attgacacgg	900
gagctacgta	agctcttttg	ggtgtttgag	aacaacgagg	agttgttcga	tttgagatat	960
ctacagagtt	atgcgggatt	cgtcaggagt	agtacaggac	gaaaagtcac	taattttatt	1020
gatgaaacac	agatagagta	g				1041

<210> 11980

<211> 195

<212> DNA

<213> A.fumigatus

<400> 11980

caccgttttc	tacagaacat	tcccgcata	tgccttaatg	tcgggtcccat	gctcaatggc	60
tatatgaaga	acgagctcgc	cggctcaggt	atggtgggtat	ggaaaggcag	agaaaagtat	120
gccgctggcg	agatcagtag	agaggagttc	atcgattacg	tgtcccgagg	gtatgtcccg	180
acttcagtca	gatga					195

<210> 11981

<211> 1368

<212> DNA

<213> A.fumigatus

<400> 11981

agaacgagct	cgccggctca	ggtatgggtg	tatggaaagg	cagagaaaag	tatgccgctg	60
gogagatcag	tagagaggag	ttcatcgatt	acgtgtcccg	agggtatgtc	ccgacttcag	120
tcagatgact	cacgtattct	gactctttgt	agagcaccat	ccgtaggaca	ctgcaacaca	180

atgggaaccg	cctcgactat	gaacgcactt	gccgaggccc	tggggatggc	cttggccggg	240
tccgcggcca	ttcccggccc	ataccgcgaa	cgaggacaat	gcgcctatga	cacaggctta	300
cagatcggtg	agatgggtgca	tgccgatcgt	aaaccaagcg	atatcatgac	tcgtgaggcc	360
tttgaaaatg	ccatcgtcgt	gaacaccgcc	atcggtggca	gcaccaacgc	tccaatccat	420
attggcgcta	tgcgaaaaca	tatcggggtg	gatctttcgc	tagatgactg	ggatcgactg	480
ggattccaca	tccccctatt	ggtgaacatg	cagccagcag	gagagctatt	gggcgaagaa	540
tactaccgcg	cggggcggtt	gccagctgtc	atggctgagc	tgctcgacgc	ggggaaactg	600
cacgccgaca	tcttaacgtg	caacggccgc	accgtgaagg	aaaacgtcca	aggaaagcac	660
acgtgggacc	gccgcatgat	cagagcctac	gacgaccgcg	tcataaaga	cgccggcttc	720
ttgcatctca	agggtaacct	gttcaactcc	gccatcatga	aaacatgcgt	gatattctacg	780
gagttcaggc	agaaattcct	tgaaaacccg	gacgatccga	acgcgttcga	aggcgcggtta	840
attgtgtttg	acgggcggga	ggattaccac	catcgtctgg	aagatcccaa	tacacccatc	900
gacgacagga	ctatcctcat	catgcgtggt	gctggacccc	tggggtatcc	gggcgcgcca	960
gaagttgtca	atatgcatcc	tcctggacgc	cttctacgac	aggggtgcca	ttcgcttccg	1020
tgtatcggcg	atggtcgaca	gtctggcaca	tctggctcgc	cgtcgatcct	caatgcctcc	1080
cccgaagccg	cggctgggtg	caatctggcg	cttcttcgag	acggagacag	actccgtgtc	1140
gatcttaaca	aacggcacgt	cgacatccta	gtgcccgcg	aggaactgga	gaaacgaaag	1200
aaggcgctgg	aggccaatgg	cggttacggt	gttccctgaga	gtcagactcc	ctggcaggat	1260
ctattcagaa	gggaagtggc	gcaactgagt	gaggggatgg	tcctccgtga	ggcagtcaag	1320
tatcaaagac	tagcccaacg	attcgaggag	cctagacaca	atcactga		1368

<210> 11982

<211> 699

<212> DNA

<213> A.fumigatus

<400> 11982

gatcaccaag	aagacttgac	catgccgtgc	aatccacagg	cttctgcctc	atgtgaaggc	60
tgctcttgcg	atgccggtgc	gaaccgcgcg	ccggtgaaca	ttgaagactg	cgagcccgaa	120
ctgctcgctc	tgcgaaggcg	cactcttgag	ctggagaagt	cgctggcatc	catgacggct	180
ggcgtcgcca	aggtgtcgag	ggctggctgc	aagctgcggt	cctccagatg	gttcaactgc	240
gagaacgacc	ctggcatgat	ggcgtctat	atcgagcggt	atctgaacta	cggcatgacc	300
aaggaggagc	tcattgctggg	gaagccgatc	atcggaattg	cgagtcctcg	ctcggatttg	360
gcgcctgtga	atcgccacca	tctcgagctg	gtgaagcggg	tgcgcgaagg	catcaggcca	420
gctggcgggg	ttccctttga	gtttccaacg	catccgatac	aggagagctc	caggcgcccc	480
actgcggtca	tcgatcgcaa	tctgtcgtac	ctaggcttgg	tcgagattct	ccatgggtat	540
tttctggatg	gggttggtgc	actgaactgg	tgcgataaga	cgaccccggc	ggctctaattg	600
gctgcccgtc	cggttgtatg	tgacctttgc	tgcaccttgc	ctggagccga	accgtttctg	660
acaccgtttt	ctacagaaca	ttcccgcaat	atgccttaa			699

<210> 11983

<211> 717

<212> DNA

<213> A.fumigatus

<400> 11983

gttcgatctc	agcgtgggtg	ttcaaaagga	tggaaacttac	gatgcccattg	cagagacaac	60
cctgtgaaga	aggaggacgc	gcaactcctt	ttgaacaatc	tcggcctctc	agtcaaacc	120
gatgaagtgg	acgattttcg	tactctacta	gcagccgtcc	atgactgtgc	agaggacgtc	180
gcgaagctac	cagattacca	gccggtaccg	gatctatcac	gttatccacg	acaaaacata	240
cggcgcccc	cgccggaaga	gcaagtcttt	ggtcaggcgt	gggcgcataa	gttcttgatc	300
aagggtaatg	ctgacggagg	tccactggct	gggaagacgg	ttagtttgaa	agactgcatt	360
gcagtcgctg	gggtccctca	gctcctgggc	agcagatgta	ttccatcttg	gacacccatc	420
accgatgccca	cggttgttac	gcgaatcctg	gatgccggcg	ctgatattct	aggtacctcg	480
acatgcgaaa	acttttgcca	ttccaccggc	tcctatacta	gtgctcaggg	tgtggctcgag	540
aatccttttg	cagctgggtta	ttctgcccgt	ggtagcacat	ctggcggggc	ggctctggtg	600

gccggtggcc tgggtggatat tacaataggt ggtgatcaag gtgggagtat ccgagtgcct 660
gcgtctctct gtggctgtat gattgcccc catcagacag ttgcctggcc tcaactga 717

<210> 11984

<211> 453

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (21)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 11984

tacctgggga	caggagattc	ntggaccaag	atagactaca	gcaagaaagc	agaagagtgg	60
atgaagcctc	tgggttcctgg	tcgcgagaca	ggcctgggtg	aaatccctgc	aaactggtac	120
atggacgacc	tgctccgat	gatgttcac	aaagcagcct	cgaacagtca	tggttcgtc	180
aaccgcgctg	atgtggaaga	catctggagg	gatcactttg	actacttcta	ccgagaatat	240
gatacattca	ttttcccat	cacaatccat	ccggacgttt	ttgggcggcc	acctgtgctt	300
ctcatgcatg	agagacttat	cgagcatttt	aagaagcacg	acggagtgga	attcgtgact	360
atggagcagg	tctgtgatat	cttcaagaag	gaaaaccac	cacctgcagg	cgcgctcatg	420
ccagccgaac	cgggggccat	tctcaagaaa	taa			453

<210> 11985

<211> 204

<212> DNA

<213> A.fumigatus

<400> 11985

ccaaaaccgt	ttggatctcg	atacgagctc	aaaattgcag	aaatgggcaa	gaagcgcgtt	60
ctcgtcactt	acggcgtcga	tgctgatgca	gttgccggct	ggctcggttc	ttacggagga	120
gaagactcaa	caaatgacat	cagcagaggt	gaatcatgcg	gtcaacgcgg	atttgcgggt	180
tcctcatggc	taactcggcc	atga				204

<210> 11986

<211> 285

<212> DNA

<213> A.fumigatus

<400> 11986

acaggtgttt	gggctggcac	tgctggcacg	agacgtcttt	tgaaattctt	cgacaagtac	60
ggcatcaaag	cgacatggtt	catcccaggc	cactcgttag	aatcgttccc	cgaagacatg	120
gctgctgtgc	gcgacgccg	ccatgagatc	ggtctccacg	gatattcgca	tgagaacccg	180
aaggacatga	cgatcgagca	gcagcgggat	gtcctggata	aaacctaccg	gatgttgact	240
gagttctgcg	ggaagccgcc	tcgtggaagc	gttgccccgt	ggtag		285

<210> 11987

<211> 426

<212> DNA

<213> A.fumigatus

<400> 11987

ctaaacccaa	tagtgatctt	tgctaccggt	attctctcca	ttccctcggt	catgtatgac	60
ctaggtgctg	tccttggggc	cgtcaacctt	gtaggctggt	gcgtctcaa	cgcttatggc	120
gctattgtcc	tgggcaactt	ccggaactca	tatcccggt	gtcattcgat	cgtggacatg	180
gttcaoctag	ccggaggctg	ttgggggtccg	ctcatgcgag	agattgtagg	cgtgatgttc	240

atcatagcct atgtgatcgt tgcctcctcc ggcataatcg gcgtctcggc cgctttttaat	300
gccctatccc gacatgcaat gtgcaccgtg tactgggtctc tagtctcaac ggccatcgtg	360
gccctatttg ccagcgtccg caagttcgcc catgtcgtat tcgccacgag gtggaagatc	420
cgcggtg	426

<210> 11988

<211> 327

<212> DNA

<213> A.fumigatus

<400> 11988

aaggcaaaac acaagccgca agaaggcacg gcacacacaa tcagcttcaa atctctctcg	60
ctcttctctc cctcaccacc tcttcccttt tcacctcccg ctccacatcc tccagccgtc	120
cctcccattc agcccagcac tcgccgctcc ccaccagccc aacctcatac cagcgtgca	180
acaccgcgc tgtccggacg cggagctcag atatctccct cgctgttcc tctgggtac	240
gagccaattg atccagacgc ggctgcagct ggacgagaga cgccgacgct tgggcgtccg	300
ggacaggcag gtcatttaac gaagtga	327

<210> 11989

<211> 417

<212> DNA

<213> A.fumigatus

<400> 11989

cagaattcag atgatcgctt ccccgacctc ttccgtccta caccttcgca atccgtcccg	60
gagaacctga caacgcagaa cctcgccctcg attgtcctct cgtacgcttc cgcattcccg	120
gagaccgct ccagactcac ttcggttaa atgacctgctg tcccgacgc ccaagcgtcg	180
gcgtctctcg tccagctgca gccgcgtctg gatcaattgg ctcgtaacca ggaggaacag	240
gcgagggaga tatctgagct ccgcgtccgg acagcgcggg tgttgacgag ctggtatgag	300
ggtgggctgg tggggagcgg cgagtgcgtg gctgaatggg agggacggct ggaggatgtg	360
gagcgggagg tgaaaaggga ggaggtggtg agggagagaa gagcgagaga gatttga	417

<210> 11990

<211> 240

<212> DNA

<213> A.fumigatus

<400> 11990

gcgactcccg tgcgagccgg acggttctcc aatgtcctcg cagaattcaa ggagtaccaa	60
aagagatcag gatggattat cgctttcatc ggtgccagca atgtgttcta ccaaacgct	120
agggaatata cgaccacgca attcggcacc gagcgcgtgc ttaatcttat aaccaatgat	180
gtattgaacg agagagcggg gaaacgaatc atcgtacaaa gcaaaaactg ctcaatctga	240

<210> 11991

<211> 471

<212> DNA

<213> A.fumigatus

<400> 11991

tacagtcaca tcggtcagta tccgtgtcac cgtgaatact ccagcttatg tttcactagt	60
ctggcctggt ctaaggcgcg acgacagaaa atgctaggaa caaggggaga acaagtggtc	120
gacttacgag acggtgtagg caccaccggc aacagtcttc ttgcagccct tgcactccca	180
gataccaaca gcctggcgct tgacggtgtt ctttcgcgag aaggtgcaga cgtagcgggc	240
gtgctgggtg atttccatct tcttcacctg cttacgcagg gaggcaccgt atctgtaatg	300
aacaagccat gtcaaccaac cattctagct ctcccgaatt cgatattcca cgctttgaat	360
tccggtttca acggagtaga gcgaattgca gacgacttca gatcgattgt tcgaggtgag	420

aggggcga aaa gcatacctgg taccatattt acccgtgata ccgacctcta a

471

<210> 11992

<211> 279

<212> DNA

<213> A.fumigatus

<400> 11992

tgtcacatag tcaagctttt tgagttttca gtccatagta tattaccgtc aagattcgac	60
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cctacgggtt aactggggag actttgcgca gagcatattg tcaagaactt gccgacgaat	180
ctgaaatggg ctctagcagg tcgctcgggt cagaagattg aagtcatcgc caaggagctc	240
aagactctga accctgaccg cgccgcgcca ggtaaatga	279

<210> 11993

<211> 189

<212> DNA

<213> A.fumigatus

<400> 11993

ttaaacttcg ccaagagtcg aaccctaage gagcccaccc acaaccagtc tctcaagaaa	60
gccgcagggt cgatttcgtc ttaccgcact gtatccatct ttgacctcaa cagccgcaca	120
cgagacaaga tgaccaagcg cactaagagt gagtgcattc gatcgagatt aaccacggag	180
aaaagatga	189

<210> 11994

<211> 201

<212> DNA

<213> A.fumigatus

<400> 11994

aatggttggg tgacatgggt tgttcattac agatacgggt cctccctgcg taagcaggtg	60
aagaagatgg aaatcaccca gcacgcccgc tacgtctgca ccttctgcgg aaagaacacc	120
gtcaagcgcc aggtgttgg tatctgggag tgcaaggggt gcaagaagac tgttgccggg	180
ggtgcctaca ccgtctcgta a	201

<210> 11995

<211> 339

<212> DNA

<213> A.fumigatus

<400> 11995

gctaataaca gtcatagaac tactgccgag accaggaagt tcatcgatga gttcatcaaa	60
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aagtctggca gcctaaagag ccatgaattg atcaccgcgt gccaggaata ctttgatcga	180
aataagacca aactgtattg tttcgtagat cttcggaaat atctgtctga tttggataag	240
gcattctctaa cagagttcat tcaatatgcy tctcggaccg cagggatcca aggcgatgta	300
tgtccaacca tgattgcgct ttacgtcctt tattactaa	339

<210> 11996

<211> 393

<212> DNA

<213> A.fumigatus

<400> 11996

togaaccttg gtattattgc gacgctaact ccacaaagct acctcacgcc caacaatatc	60
---	----

gcggacccccg	ggatgattga	gcagtttggg	gccgattggg	gattgaacgc	ccgaggtatt	120
tactaccgcc	atTTTTtattc	tccaggggtg	gttacgtccg	atcacgagct	ctggctaccg	180
tcacttgatg	gcacgcattg	gaatcatttc	agtgagtcca	gtcgcctctc	gagagcagaa	240
gctttcctca	agcatgttct	caacaatgaa	cgatggaaga	agagcgaata	tgcattggaa	300
gccgacgcct	ggtcagatgt	tttcgggtcag	atgaagaatg	acccagttct	tgccgtgtca	360
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<210> 11997

<211> 1269

<212> DNA

<213> A.fumigatus

<400> 11997

tactcttcaa	taatcgcccc	tctctcaacc	aaatcgaaaa	tgccccggtc	gcaggccttt	60
cacgcgggtc	gacagccccct	acaagacca	cgagtgccac	tgggatcagc	ccacatctcg	120
ggctccactg	cctttttgcaa	tccaacacgg	gcgcattttc	cattgtccac	gcattcgcag	180
ctgcaccaag	aacccgctga	gaaacctcgc	attgaaagac	tctggcgctc	tagggataac	240
cggaaaggcc	gccatgcgct	caccatccac	cagcgaccgc	cgggactcgc	aggcaagacg	300
tacccccgga	aaacaattca	cccgattgac	atcgccaacg	ggattcttcg	catgttcacg	360
accttccccct	actgggacat	ttccttctgg	gtggcttttg	tctttacggt	cggatcggga	420
atctgggtca	tcaacgcctt	tttcgtctgg	ttgccgctgg	aagaccgctc	caccgaattt	480
cggaacgaag	tccttaccgg	cggcgccgctc	acggccttta	tggcgcgac	ggtcttcgag	540
ttcggcagta	ttctgctcgt	tctcgaagca	gtcaacgaga	accagacggg	ctgcttcggc	600
tgggcagtcg	agacggccgc	caagggaagcc	accgatgagg	ccgaagaggc	cgctcgtcga	660
atcaagtccg	acagggactt	gtgtcggcat	catcatgcga	accgtcgttc	gttcctgtcg	720
ccgtccgagg	caagacagga	ctcgaacgaa	cagacaggga	ttgctcgaag	gcggtcgttt	780
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gcttcggccg	tgcagctcgt	cggagctacc	atcttctgga	tgcgccgctt	caccggctct	900
cctggcatca	tgaatcatac	gagcccagca	gtcaccaacg	gcgtcttctg	ggtgccgcag	960
atcgttggcg	gtgctgtcgt	tatcctcagc	ggcctgcttt	ttgcgatcga	aacgcagccg	1020
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gggggtattg	ggttcacctt	ctgtggagcg	ctggggccag	caacggccaa	ctcgggggtc	1140
gagtatcaga	gcacgctggc	gacgttctgg	gggtcgtggg	cgttcctgtg	ggggtcagtg	1200
atacaatggg	atgagagttt	ggagaagcat	cctgtggagg	agaagcatcc	tgtggaggag	1260
aagcagtaa						1269

<210> 11998

<211> 519

<212> DNA

<213> A.fumigatus

<400> 11998

acgctagctc	ggattttctgc	cgctcgtggg	aagactctac	tgccctgcct	gcattctccat	60
gcggcggtc	ctcaaccgcg	tccacaacct	cctctatgcg	cgcgacaccg	gcgtcgcctt	120
cgacaaccac	cagttccccct	ccgtcgtcgc	cgaactcgcc	caccagctcg	aggagtggaa	180
ggacctcctc	ccccctccgt	ttcagttcac	tgctgacccc	cgccccctgc	cctgcaccgc	240
cgcgcgattc	ctgcgccagc	gctacctcac	ctgcaagagc	gtcatctacc	ggccctacct	300
cacctggggc	ctgtcgatga	ccgccaccgc	gacggtggag	catttccccgc	cgcagctctt	360
ggaaggatgc	aagatctgtc	tgcaggcggtg	ctggctgcat	gcgcagaact	tggggagtta	420
tccgcatacg	gtgctggtgg	atacgtggat	ctgctcgttg	tcgtatggat	ctttatggcc	480
cgggaccctt	ggctttggat	cacgctaattg	atggtgtag			519

<210> 11999

<211> 477

<212> DNA

<213> A.fumigatus

<400> 11999

agactctact	gcctcgccctg	catctccatg	cggcggctcc	tcaaccggt	ccacaacctc	60
ctctatgcgc	gcgacaccgg	cgtcgccttc	gacaaccacc	agttcccctc	cgctctcgcc	120
gaactcgccc	accagctcga	ggagtgggaag	gacctcctcc	ccccccggtt	tcagttcact	180
gtcgaccccc	gtccctcgcc	ctgcaccgcc	gccgcattcc	tgcgccagcg	ctacctcacc	240
tgcaagagcg	tcctctaccg	gccctacctc	acctggggcg	tgtcgatgac	cgccaccgcg	300
acgggtggagc	atttcccgcc	gcagctcttg	gaaggatgca	agatctgtct	cgagggcgtc	360
tggctgcatg	cgcagaactt	ggggagttat	ccgcatacgg	tgctggtgga	tacgtggatc	420
tgctcgttgt	cgtatggatc	tttatggccc	gggacccttg	gctttggatc	acgctaa	477

<210> 12000

<211> 1083

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (120), (868), (1003), (1031), (1033), (1077)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12000

ttagagacga	tcaaaatata	cgcggtccga	atgaaggaga	tctctcagga	tatatataac	60
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tgcttctttt	tcattggccat	cgttggaacc	ttctccagcc	atgccatcca	tcattcaacc	180
agccaggata	ccctccggtt	tggcactccg	gagtcgcgtc	gccttctgtc	cgccccctc	240
cgtcaactgg	tagccaacat	caccggctat	caacaaccag	ccaactatgg	aggattctcg	300
cacaatgaga	tgcattccat	cgagccatcc	tctgcagtga	ttgtgggcca	tgatcgtacc	360
atcgtctccc	ttttcgccag	cggaacatg	ttgctgtatg	ccgacgcca	cggcaccgaa	420
ttgcctcgag	ggcagcaact	ctcggcacga	ccagacacca	tctatgatct	ggccagctcg	480
accaaactat	ttaccacccat	tgcagccctt	cgcgagatcg	atactggtcg	gcttgccctg	540
gaccaaactg	tcgcgtccta	catgccgtca	ttcgccgcca	atgggaaaga	gaacatcacc	600
atcctgatgc	ttctgacgca	tacttctggc	tttgcctccag	acccagagcc	tccgttgtat	660
gatcccgctc	atacaacagt	cgaacagagg	acggctgcaa	tactgaacca	gtctctgctc	720
catgctccc	gctcgactta	cctctattca	gacctcaact	tcattgtctc	gggtctctct	780
ctggagcaca	tcaccacaaa	agcactggat	gagttgattc	gagagtacac	cgatccccct	840
ggaatgcacg	acaccttctt	caaccggngt	aatattgaag	gccagcatt	ccccctctac	900
ccccgatgg	cagccgagga	ataccagatc	gaggtcctgg	gatcaatgga	ggccgcgcgc	960
ccgcagccag	ttcgcgggac	cgttcacgac	gaaaatgcct	tgnctctggt	atgggggtggc	1020
cggacacgca	ngnctcttct	tgaacgtcga	agatacagcc	aatctttgcc	aaaaggntct	1080
tga						1083

<210> 12001

<211> 471

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (50), (95)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12001

aaagcaccag	gggccttatt	ggaaagccgc	acggaaaaaa	ttgaggggtn	gggttttcaa	60
atcgcccaac	cttggagtgg	gtatgccgtc	cattngacca	cgctttcccg	gccagcggtt	120
tgggggaact	tgctgctcct	tttctttg	cataaagcca	ccattttgtg	ggaaggaaac	180

tgcgatgctt	tagctatgca	agccctagga	gtatggatgt	ttattagcaa	attcatcaaa	240
ctcttaggac	attacatccg	gtatccggtg	gacgtcttac	ttctgcccgt	ctctatcctt	300
ttcggttatt	tccacggagg	aatcaagatg	tacgcggtgc	taactctgaa	tgtggtaagt	360
atcccatttt	cccaaagttt	gttggcttgc	accaagcatg	gagtggactc	gagcctgttg	420
tgtccagaaa	ttcagatgct	gcgcaatttt	tttttctttt	acgtttctta	a	471

<210> 12002

<211> 921

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (129)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12002

tgcaggcaaa	ccacaatcgc	agggtgtcaaa	accatcgctcg	actctcgaga	agcgattttg	60
gaaaaatgtc	gatgtcagga	aaaggccagg	tacctcacc	tttcttttgt	gcggattgtt	120
aactcccgtt	ccgccttaca	taaaactgac	ttttctttct	gtgtagacgg	ggagtaccag	180
gttttattgg	acacgcgcac	gattcggacg	cccacaaaag	atattttatc	cattccttcg	240
acgaaaccgc	atcttgcaca	tgctattgct	ctcgagtggg	acgttatgac	atctgcacgg	300
caggctttga	agaatcatct	tattccgttg	acctcgttga	ctgcgcgagc	gggagatatt	360
gcgcaagaag	atgcaagggg	tgagactacc	acgagggacc	agattgtaaa	actcgccatg	420
cgctatctgg	atactgatac	tctactgtgc	tgggtgcccg	agagaagacc	atacgctggc	480
gaagaatccg	gagaaaaatg	agagcggcct	gaaagtcttc	gagaagctca	aatgagagta	540
gccaaggata	taatcgcttt	tctaggcaca	aaggatggtc	ctggtgtcga	cattgtacct	600
attcttgacg	cggacagcat	tttgccggtg	tctcagcccc	aggctactaa	ggacataatc	660
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gctagcaaga	gcctgttggt	tgctgttcga	ctggtcgctg	agtggagtga	gaatttcctg	780
cacttgcaaa	ggtcgggaca	aaagaagttc	ggcattgaag	aggcagcaga	agcatccagt	840
cttgaagtga	gatggcagac	tgatatgtgg	ggagaagtgg	aggataactc	tgatgttgac	900
aaggaggatc	tcagacgcac	c				921

<210> 12003

<211> 495

<212> DNA

<213> A.fumigatus

<400> 12003

gtctcttttt	caagcctcgc	ctcgcctcag	cgctctgatg	accagcacgc	acatcttgaa	60
tcctcaacag	cccgtgtctg	gggcgcagca	taccacatcc	ccgcctccca	tgccgaggaa	120
gtccacgact	atctcgacga	gcgcgaaata	gatggctaca	ccgtccacta	cacccccttt	180
catcccata	ctgccgtcgc	cacatccacc	gtctcaaggg	ccccggagac	ggagacggta	240
ccggagacac	agtcgctatc	gccggcgcac	gccgcgcca	tcacctgcat	ggtgtatata	300
gggcagccta	gcaatccgca	attcctgcgc	gacccggctc	gccgcgaacc	gcaggatgtc	360
gcggaggtga	ttagccacgg	ccggggccag	agcgggaaga	acaccgagta	tctgtacctg	420
ctcgagaaa	cgttagaggg	cctagggctt	gggagtgtct	atatgcatgt	cactgacctg	480
gtgcgacggg	tctag					495

<210> 12004

<211> 765

<212> DNA

<213> A.fumigatus

<400> 12004

gtgctaacta	ccttttagatc	tgcattctcag	ggtcacaacc	agccaagaca	aggctcttcg	60
aataacttat	attctttctac	tttctcgtgg	aactcgcgccg	atatctcaca	cacagatcag	120
cggagaggcg	ttggcaggaa	ggctatggcg	acctccggggg	ctgacgatcc	tgggccccca	180
cccacgtcta	gctcaagctc	gaaacagttg	cagctaaatc	ccaaccaa	cgactacttt	240
catcagaacc	ccaatgcctc	ctgggtcatcc	tcccctaaga	tagcccccat	ggatagctcg	300
ggaacgttct	cccatgactt	ctccgaacaa	gaggcatcac	cggcatctgc	cacttttcgt	360
cctagcaccg	gcccggacctt	cgccagtga	cccgtggatt	ttgactacaa	cagagacgac	420
cgtagaccat	cggtagccag	cgccacgaca	atcagcagcc	agggctcgaa	gtccagtaca	480
ggcggccgat	tccggaagaa	gttgcagggt	ttctttggcg	atgaatacct	cccgccaggc	540
gaatcgaaac	aggagcagga	acaagatacc	cgatcggtga	gcagcaggcc	agcctctatt	600
gatcacttca	aagcccgcga	aagagccaat	tctgatggcg	ctcgaaactt	cccagaaaga	660
tcccaggatg	atacttcctc	actacatcct	tcaagaccgc	gaaccccgt	accatccagt	720
gagattactc	catggttgta	tcaaagcttc	aatgtaagtt	catga		765

<210> 12005

<211> 1422

<212> DNA

<213> A.fumigatus

<400> 12005

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cgcttgcgtg	gtcagactgc	tacgaactca	ggcgcgccaa	gagaagctcg	gaggcaccat	120
ggcagccacc	gtcattcacg	aagcaaggaa	gaaaagccga	ctgtcgcggg	tgatcttgct	180
ggttatccag	ctcgtccagc	tacaggacgt	gatgattctt	atctcggatt	acgccccttc	240
cgagaccata	gcctaaatgc	ctcgacagcg	atgagctcaa	ctaccactct	cggcgggtcg	300
tctactagcc	ccacgccgag	tatacagagc	gcctattctc	gagaacaaag	ccagaactcc	360
cccggagcgc	cgtccaacaa	gcgatcgata	ctggataaaa	tccgtcgtac	caaagcacat	420
ggccccttga	agcattttcc	cggatcaaaa	tccgcgcaag	aagcatcaaa	gtcttcatcg	480
aagctcgcgc	ggaggagggc	ttctcctcga	cggggccggc	aaggcagctt	ggaagggtggc	540
acatctctca	gaaacctgga	tctaggcgat	tacgagcgct	gaaaggacgg	gaaaggcatt	600
gtgatgggct	ccacaaaagt	acgaaaaccg	cggggccctt	gcaatgaagc	gcctcctggg	660
aaggacgtca	aactttctga	ggagcctggt	gtttggaggc	ttgatacaga	cctttcacac	720
atggagggaa	tcgttagcca	gcaacccctt	ccttctccag	gcgacaaaag	caaagctcag	780
gatgggggtc	caccaaagca	tgaggaaggg	aagaagtccg	agggcttgcc	tccgggtcac	840
tgggatgctc	cggagagctg	gcaagtgaag	aagcatgggg	aggatctcgc	tgcgcggctt	900
ccaaatgtgg	caagtgatgc	gacagggtatt	gcacgtgagc	cagatgggac	ttcatacttc	960
atccgggtct	ttcgtattga	ttccacgttt	gctacgcttt	cagctggcct	gaatgccacc	1020
gttgccagata	tcctccttat	gcttggccga	aagtcttttc	ttcaggacca	cttaaacac	1080
tatgaaatcg	tcatgaagag	gaatgatctc	tctagacagc	ttgatcactc	ggagagaccc	1140
attcttatgc	agaagcgatt	gctggagcaa	gtcggatata	ctgccaaagg	tagaattgaa	1200
gagatcggtc	gggaagatca	cagttacatc	tgccgcttca	tattccttcc	aaccaagctc	1260
agtggctaca	gcagtcttga	cggcgatcca	ggattcagca	gaatgcagaa	gttcagtcac	1320
gtggatcttc	agggtcggag	tctcgtcacc	attccgatca	cactctacaa	gaaggcgtcc	1380
gagattatct	cactgaacct	gtctaggaat	ttggtccctt	ga		1422

<210> 12006

<211> 354

<212> DNA

<213> A.fumigatus

<400> 12006

gttcatgacc	caattgccca	cattcgaagt	cgccttcaca	tgtcgtccct	gtctgttttt	60
ggaaattttg	gggtttctta	ttttgtgact	atcatttagga	cattccgcaa	tttgaggaga	120
ctcctattcg	agaagtcccc	atcgcccttg	aagggaagtcg	ccttgctggg	cagactgcta	180
cgaaactcag	tgcgccaaaga	gaagctcgga	ggcaccatgg	cagccaccgt	cattcacgaa	240
gcaaggaaga	aaagccgact	gtcgcgggtg	atcttgctgg	ttatccagct	cgtccagcta	300

caggacgtga tgattcttat ctcggtattac gccccttcgc agaccatagc ctaa

354

<210> 12007

<211> 927

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (142), (154)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12007

gctgtccctt	cgtccaccga	tttgattatc	ctgctccttg	gcttcctggc	cgcggttgca	60
tccggcgctc	cgttcccgat	catgtcaatt	gtctttgggc	aactgggtcaa	cggactgaac	120
tcggctactt	gcgatgttga	cnctccacc	gcgncatcct	accaggctgg	gatcaattcc	180
aagatactgc	tgattgttta	cgttggcatc	gcctattttg	cactcatcta	tatccacacc	240
ctctgctgga	acattttcag	cgagagggtg	gctcagcgca	tacgcgagag	gtatttcagc	300
gccattctgc	gacaggatac	aatgttcttc	gacaaccggc	ctgctgggga	ggtgtcggca	360
cgcacacag	acgaaatagc	ggtcttgacg	caggggacga	acgaaaagg	cggcattgtg	420
atcagcagtg	tgtctttctt	cgttgcccgc	tacgttgctg	ccttcacaa	ggatcccaa	480
ctggctggca	tgctcgtatc	cctcacgccc	gcatacctca	ccatggcact	aggtgggtgga	540
tacttggtgc	agaagtacgt	gggccgctcg	atagaggcca	tggccatggc	atcgtccgcc	600
gcgttggaag	cgatctccaa	cccactgggt	gtgcatgcct	tctctgctaa	tgcacgcttg	660
gagcagaggt	ttgtcgaagt	cctggcgccg	gctctgtccg	ccggcgatg	gaaatcggtg	720
gcggtggcat	tgacggcggg	gcttttgtac	ttcattgcct	tctcgcaaa	cggccttgct	780
ttctggcagg	ggtcgcgaca	gatcgccagt	gcggtagaat	cgaatatcag	tggcattacg	840
gttgagaca	cattcactgt	cattctgatt	ctcatagacg	gtacgttgat	ctccttggct	900
cagatattga	atgggagtgt	atactaa				927

<210> 12008

<211> 531

<212> DNA

<213> A.fumigatus

<400> 12008

atgggagtgt	atactaagcc	gactgcggca	gcgtccttgg	tgctcagcca	ggctgctcca	60
ttcttgcaaa	gctttgatgc	cgcacccgtc	gcttttgcca	agttggaggc	ggatatgaac	120
cggccggcgg	tgattgacgg	caccgtcgaa	ggcacaggtg	ggttgctttc	agacgttgcc	180
ggagagggtg	agctgcgcaa	tgttgacttt	gccttcccat	cccgtccga	taagcccgtg	240
ttgcaaggcc	tgtctttcgt	ctgcccagct	ggtcggcaga	ctgccatcgt	tggctcttcc	300
ggtagtggta	aatccacagt	tgccggactg	atcgcccgat	tctatgatcc	ggtcgagggc	360
actgtgcttt	tggatggccg	tgacctccga	gagctcaacg	tcagggtcagt	gcgaaaccac	420
atcagtctcg	tgcaacagga	gccctatctg	ctcaaccgat	caatcctgga	aaacattgcc	480
cttgggctga	tcaactcacc	caagcacgag	catctgcggc	cggcactgat	g	531

<210> 12009

<211> 279

<212> DNA

<213> A.fumigatus

<400> 12009

tgtttttacc	tccgtagagg	cttccgaagt	ggcagccatg	atggtggaca	cctctttcct	60
ctagacacct	ggttttctcta	tctcggtatc	ttctctaccc	tcgggtgtctc	tgaggatcaa	120
ataagagggt	gcaagaatgc	gagcacagac	gcccgtgtaa	gtactccgta	cagcccaacg	180
actcccgttg	ccaagggtgta	tacccccctt	ctacgtaaga	tcattgtgac	cgcagagcac	240

gtctccacca gtctctggcgt ttctttccaa aatggctaa

279

<210> 12010

<211> 861

<212> DNA

<213> A.fumigatus

<400> 12010

tccaagtatc	ttggccactg	cactgggagg	agaaacagac	tggtcgcggg	ccccctccga	60
tcatgtaagc	gctcacagac	gggcccagaa	tcctgcgagg	atggcatcgg	cttactaact	120
tcaaccagct	acattgttga	cggaatgca	ttgttcctga	ctgcgaccga	ggctgcgtgg	180
cgccgtgcgg	ccgcctcaca	tttcgctggc	gggggcatca	ttgtcgctat	tggatacccc	240
ttaaagggaa	agctctatga	tgcccgcagg	cgcagcttcg	atctgacgcc	ccccacggcg	300
tgcgcacccg	tgggggatgg	gggagcagat	gtgttctctg	acttcattga	gaattctgtt	360
cgacctgcgg	tgcaggetcg	attcccacag	gtgtcgctcg	ccagagaagc	gctttatggc	420
cattcctatg	ggggcttget	cgcctcccat	gcattattca	cccggccgca	gtccttcgat	480
tgtacatcgc	cgagcagccc	ctccatctgg	tggaaatagc	tatgtatctt	gcacgaggca	540
aaggcctttg	tggaaaccaa	gaaggtttca	catgaccagt	ccccgtcgtt	gatggtctcc	600
tggggttcct	gggagcaaca	tccccgcggg	tgggcggacg	agctgcttga	tcactacgag	660
gcgagaaaac	gaaccgcagc	ggagttgaga	atggccgaca	atgctctgga	tctgtgtgcg	720
atgctgcacg	ggtgcagccg	gctacacgcc	ctgatcaaaa	ccgagtatga	gggggaagac	780
cacacaagcg	tgatgtcgtg	ctcggtgagt	cgcggcctga	ccatgttctt	tgaggaatgg	840
ccattccacc	agtcgggggtg	a				861

<210> 12011

<211> 1158

<212> DNA

<213> A.fumigatus

<400> 12011

gaccttacta	acaataatgc	gcccagtagt	tcccggatgc	gacctcggct	ttcgccattc	60
gatttcgata	ttcagtcgga	gacattcccc	tcgctctgcc	ttcgccact	acccccgcct	120
cccagtcctc	tctctaccaa	tccgttcccc	tcacgcctat	ctttccact	gaagccccct	180
ggggtagaac	accttgatat	tgtgcgacag	gcgattcgag	cgaagatcga	ccagtggcaa	240
tccgatcagc	tgccacgca	atctgcgaac	aactcccccg	gtcggccccc	gctcggcctg	300
gacgctaaca	tgatcagccg	cagcgcacag	caacatgaag	atatgagcct	gaggcatctc	360
gagctggcat	tcaaacattg	ggcctcgctg	ccaccggaga	cgcgccctaga	ggcgtggcat	420
cttgagatca	cccgcgcgtt	cgcccgtgag	gtggagaaac	ggaaaacatt	agacgagcag	480
ctcgctcgcg	tccagcagga	agccaaccag	ctgcgcgcac	aggctcgagaa	gctgggttcc	540
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gttgcgcggg	agctagacgc	caaggaaagc	cagatcagcc	ccgggttcgcc	tcgggtgggac	660
tacgatagcg	ttgtcgcgaa	gtggaagcgg	gtcgtcatgc	acgacaaatc	catgggtcgc	720
gtcggcgctc	ggtatggcaa	tctcctctc	gacgatcgca	gcagcgcgga	caccaaggcc	780
cgcgcgacag	aggagccgcc	tgctctgtct	gctcttgcat	ctacatctac	atctgcacct	840
ccgtccgcac	accccccgcc	gcgagccctc	cagcccgcctc	ctggccccgc	gctcgcgcga	900
agtccagacc	agtcgtcctc	gcatacgggg	ggcgcctcgg	ctccatctag	ccagaacacc	960
tcgccttata	tccggagccc	ccaggcaggt	ccgcaagcca	agcgtcctcg	attaatgaac	1020
ggtgcagatg	gcggccacac	ttcggcagcg	aatccatcgg	ccacggcgcc	gaatacgtgg	1080
aatccgcaca	gccaccagtc	ccttcggggt	tcaaacttgg	ctagtgcgtc	tggaccaccg	1140
cctagctctg	gggcgtag					1158

<210> 12012

<211> 456

<212> DNA

<213> A.fumigatus

<400> 12012

gccgcctgca	gcgtcttcga	cgtaccgcgc	agcttgtctc	gcaaaggcgc	cggcgtaggt	60
ctggcaggtc	tgaccgatg	ggggagagaa	ctgggtcacc	tccttctga	cgcagcggac	120
ggggatgtta	tgggtgagga	cgccgaggaa	gccctcgagg	aggtagtgga	agggggtgag	180
ccagtacatc	caggactgcc	agaagtgggg	gagtgcgacg	taggggacga	cgacgccgca	240
gaaggcgacg	acgaagggtga	agaagcaggg	gacgaggagg	gaggcgaaga	gctcgttggg	300
ggagaaggcg	gcatgaact	ggccgaagct	gacgtagtaa	agctcgaaga	ccatgagcag	360
catccagggtg	tagccggagc	tgaaggagtc	gcgggggaac	catacgcccc	agtacctagt	420
tgtgttagtg	gtgggagaca	gctagacctt	ggctga			456

<210> 12013

<211> 498

<212> DNA

<213> A.fumigatus

<400> 12013

ctgtctccca	ccactaacac	aactaggtac	tggggcgat	ggttcccccg	cgactccttc	60
agctccgggt	acacctggat	gctgctcatg	gtcttcgagc	tttactacgt	cagcttcggc	120
cagttcatcg	ccgccttctc	ccccaacgag	ctcttcgcct	ccctcctcgt	cccctgcttc	180
ttcaccttcg	togtgcctt	ctgcggcgtc	gtcgtccctt	acgtcgcact	ccccacttc	240
tggcagtcct	ggatgtactg	gctcaccccc	ttccactacc	tcctcgaggg	cttctcggc	300
gtcctcacc	ataacatccc	cgtccgctgc	gtcagcaggg	aggtgaccca	gttctctccc	360
ccatcggttc	agacctgcca	gacctacgcc	ggcgctttg	cgagacaagc	tggcgggtac	420
gtcgaagacg	ctgcaggcgg	cctatgctcg	tattgtccgt	attccatcgg	tgatgcattt	480
gtacgtttct	ccctctaa					498

<210> 12014

<211> 564

<212> DNA

<213> A.fumigatus

<400> 12014

atgaatagtc	agtctggtcc	cggttccagc	cgaaatctag	ggaggcagat	gggaattgac	60
gacgaaacac	ggaatccttc	tgtggagtg	cctgaggcag	cgggaaatgg	cactagtgac	120
tcgtcacgaa	gtaatcacc	caaagaaaga	gaaagaggag	ggaagaagca	aaagcgggca	180
cgagtggacg	aggatgcgga	tgaggacgtg	gacgtcatgc	aggcagagat	ccagctgatg	240
caggcgcagc	aggaccgggc	gtccgcggag	atttctcggg	cgtcgaagcg	caagcggctg	300
gatctcgcta	ttcccggcgc	tgagcaggaa	gtcgcagatg	tgatgcctgt	ggcattagag	360
acggaggata	tttcagagga	agtccagcgg	cgattgaaaa	tcaaggagga	gcggcgcaaa	420
aagagagatg	ctaaggcaga	aaagaggaaa	cgggatagtc	tagcgtcgaa	cgggagcgct	480
tctgcctcgt	cgctggcgcg	cgtcgcgcgg	cctaggaaga	agaaggtaaa	aactagtggc	540
gcaggagagg	gggggaagcg	ctga				564

<210> 12015

<211> 183

<212> DNA

<213> A.fumigatus

<400> 12015

tgccatttcc	cgctgcctca	ggcactccag	cagaaggatt	ccgtgtttcg	tcgtcaattc	60
ccatctgcct	ccctagattt	cggctggaac	cgggaccaga	ctgactattc	atctaaacga	120
cccattagaa	ccaaagagaa	gttgccagga	cgtgctaaga	atgactcacg	agctttttct	180
tga						183

<210> 12016

<211> 576

<212> DNA

<213> *A.fumigatus*

<400> 12016

tcctatgaag	aagcagctgc	agacgccacc	ccccgtact	gggagaccac	catcttggcg	60
cccggcatct	cgtccgatga	ggtttatgtg	gatggattgc	cggtcggctc	gatcttctcc	120
ttcgtttgga	acgccatgat	ctcgatgtcc	ttccagctag	tcggcttcct	cctgacctac	180
cttcttcaca	ccacgcacgc	cgcgaaaaat	ggcagcagag	cgggtctcgg	ccttacgtta	240
gtgcagtatg	gtttctacat	gaaagggggg	agtgatggag	gctctgacgg	cggtgcggac	300
tatgttcctc	cacccgatcc	caacagccac	aactttgatc	caacttcggt	ttctgagaat	360
tccggtggca	acagcgggaag	cggcgcgata	tccgacatca	caacgagcga	gtggatttcc	420
tatgtcttga	tgattgtcgg	ttgggttcatt	ctcatccgcg	ccatcagcga	ctttttacgg	480
gcccggcggc	atgagcaatt	agtactacag	agccccgagc	gcgggtctcag	cgttccggtc	540
atcgcggaag	gcgaacggtc	cgaaacgggt	gtatag			576

<210> 12017

<211> 1395

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (97), (952)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12017

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actcgtacag	atgtattcct	ctcgccattg	aagcctnoga	ccaaatcaag	catttccgca	120
gaagccatca	acgccttcct	ttactacctt	catgttgcca	ccccggagga	cgaactgctg	180
ttgcaggagg	ctgaggagga	gcgtgaacaa	caggcgaaac	tacgcaagga	acaatggggc	240
gatggagcac	cgccagagtt	tgcgcgattg	aacaatgtcc	ggcgggaagcc	tgtccctggc	300
agccctcttc	cagagacacc	gttgacagag	gagaattact	cgccgtgctc	tactgcagtc	360
gaccctctgc	ctccgccgac	cccgcctcgt	cgcagccttc	gtcaagactt	tcccagttcg	420
gagtcagcta	ccgctgtttc	ggatatctca	gaccacctgg	gcgactcgcg	tggaaataca	480
ggagagacta	gagcaccgcc	gttaccgccc	aggcctctgc	cgtttgtgcc	aacagaggga	540
gctccttcag	atccgatcaa	caacagttcg	gcgaagaaga	gtaatcgatg	gagcgccttg	600
tccgggtatc	tcaacagtaa	aggactcgat	agctggaagg	aaaagtacga	agccttgtct	660
gcaggacgtc	ttagcctgga	cagcaggggg	tccgaactac	ggccgcatac	gtccgacggg	720
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aggccgcgcg	accacggcca	ggcctcagat	cgacagggat	tccatatcac	tctcatccgc	840
cgcgatccca	ctcatggcat	tcaatggaat	gtcgcgacga	tctccacatc	caaggcggac	900
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gagccatttt	ccctgcagag	cctgggcatac	aatctcccgt	cagatgcaca	ggctctgccc	1020
tcctccacac	tcaaatttcc	tacacagtcg	catcctgaaa	cacggacccc	ggattcgtca	1080
ctgccacgca	aattccgccg	ccaactctgc	gtatcgcggc	catataatca	ctgggacgac	1140
tcgcgaggct	ccctggattt	acctaccagc	agatcctcac	tggacacctt	tactggcagt	1200
ccgacccggc	cacatacaca	agcccactcc	aagctcaaaa	gcggctacta	cacattcccc	1260
tccccctgga	acggcatctg	cactttctcc	actagcgta	acggccgcaa	tctcaaattgc	1320
aagcacattg	atcccacgcc	ctcataccca	gggcatggga	acgaacgctt	ccacccttgc	1380
aaggccagcc	gttga					1395

<210> 12018

<211> 711

<212> DNA

<213> *A.fumigatus*

<400> 12018

cgggtcggtta	ctttgctgca	gccgttcaag	gacctcga	actgctcctt	cgccatgaag	60
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tccgatgcga	caccgctgga	agtcgaagag	gtcagctctca	aagaagccgg	tctcgagaag	180
cgctgcgcga	acccttgtgg	ctattacagt	cagctatgct	gcacctccag	ccagacctgc	240
ggtaccaaca	gtcagggaca	agcagtatgt	ttggactcgt	cgggcggcag	cggcggcggc	300
ggaacttggg	aatactatac	cactacctac	gttcttaccg	agacggatac	taaaacgatt	360
actttctacat	ggagtagcct	gatacctacc	gcaacaggct	cgaccagtgt	caggaccgac	420
cttggcgaaa	cagcttgccg	caacacatgc	tgtgggtgctg	cttttgtctg	cgccaatgat	480
caatgtatcg	tgggaagttc	atcgatatgg	gtaacagcca	ctgcgacgcc	tccagtccgg	540
ggaacgacac	agtcgactat	gacccagatt	gcaactgcga	cgacaacaca	aggtttcatt	600
ccacctgtgg	gaactgacgg	cgcaactttg	atcggaatcc	atgcctgtgg	aggaggactg	660
agcgggtggcg	ogaattgcgg	tatagttatc	ggtgtaattt	gcggcgtcctt	t	711

<210> 12019

<211> 228

<212> DNA

<213> A.fumigatus

<400> 12019

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gaattaaaca	aagtctctat	gagagaaaag	aatggaagaa	tgagaagcga	tccagcagct	120
cgtggagatc	tgactgtcga	gactcagcac	aactcccagc	ctcctctcat	ccaaaaccca	180
accaccggat	tttctgattc	taactacca	tcgctacaac	acacctga		228

<210> 12020

<211> 1368

<212> DNA

<213> A.fumigatus

<400> 12020

ttgttgccgc	tggttgattt	cgtgagagca	cctgcagggc	ccaacatgca	tgctgccgag	60
ctggcctatc	ttctgggagg	tatttcgatt	gcgttgaact	tagtcgctag	cgctcctccac	120
ggcctttgcc	ttgcttcatc	aggagcgctg	tcaatcgaat	cgatcacagt	cacactcagc	180
gctgctagct	gtctggtggt	gcttatgcta	gtagttctat	ggagaaagag	catttggtctt	240
cagcctagag	actgttgggc	aaagtggcgg	accgtcgctg	atggcctcat	cttggcatat	300
cttgaatat	ccagcggtct	cacagctggc	gccgtcgtgt	ggagcacctc	aaaactcgag	360
gtaaggggga	aagaaatggg	gatacctcca	agccagctag	gactatacat	ttccaggtct	420
gtggtatgga	cattggctgt	gttaagccag	gggctgtttg	cagggtttcct	tttgattgac	480
aacccccaca	accaatgtcc	gagctcgctc	tcgcaggagc	ttgtgctgca	agcagaccag	540
tcgagcctaa	agcataagag	cgctaccaag	gaaccagcgt	tgaccattga	atcgggacga	600
caatctgttg	atcgaaaaac	gagctgcgat	agcggctcctt	ttgcgaacca	gcccgcctacc	660
tcaatcgctg	cctctcaccg	ctattctgga	aggactctat	atcagccaga	ttctaagaac	720
aattcagctg	atcttcaacc	accagggtcg	agtatgccgt	cccctgattc	caacgcttcc	780
cgcaacctat	tagaaacgag	cccgatgag	cgggacagct	gcagcataac	caccgaggag	840
cggcaaggga	tgcgcttatt	ccacgggact	caacccgaga	tcaagaggtg	tttggacagt	900
ttgatgcttc	agccatcgct	aggcacgtca	tctccggccg	catcgacgcc	taagctagag	960
gcttcccag	cgctgcacc	cccaaagctg	cacttccctg	acgagagcaa	tatccaccca	1020
ttgtttcggt	ccgatagccc	atcgccaccg	ccgacacctt	taccgggaac	aatcttcat	1080
ggactagccg	tggccggaca	gacgatctcg	gtcaagacgt	tgaatcggat	gagatcgacc	1140
aattcccttc	gacctcacgg	agcacgaagc	aggtcccccac	tggtcgagcg	gataaatcag	1200
caaggcgaga	cgacagggga	ccaaaagtgt	aatccatgct	gtgagaaccg	aggcagatta	1260
gctgaaaaga	cggcgatacc	tggattcctc	atggctgcgg	atgtgcgcca	aagcatcgcc	1320
cggtatgaga	agaagtatga	attgaatgaa	tctccggacg	aaagctag		1368

<210> 12021

<211> 186
 <212> DNA
 <213> A.fumigatus

<400> 12021
 taccgcgaga gaacttgggt cactcttctt ttctcttcta cgattctgct gcctctcaag 60
 accctcttac actattcgga cctctaaagt cgactgcgtc aaaacaactg tgcattcaac 120
 tccacactgg tactcctcgc atctcgaacg tgcattccatc tcttgtaaat tgttgccgct 180
 ggttga 186

<210> 12022
 <211> 237
 <212> DNA
 <213> A.fumigatus

<400> 12022
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 aaatcgcgcg tccgggtcat gatccatgct ggggaatacgg aagaacaggt ggattatctg 120
 gtggccacgc tttgcgactt tgcgaacgag atgattgata tgcaggaggg tggcgagaag 180
 ggcaagatcc ccaaagccgc gcaggagatt tacgcgttga tggcggcgca tgcattga 237

<210> 12023
 <211> 414
 <212> DNA
 <213> A.fumigatus

<400> 12023
 tcgcacgggg aacggaggac tgagctacac ctggctcgctc atcgcggttga ccgaccctt 60
 ccggcggtgga gagatgccgc tccccatcct ggtggccgac ggccgcaacc cgggcgagct 120
 gctgatcggc agcaactcaa ccgtctacga gttcaatccg tgggagtttg gctcgttcga 180
 cccgtccatc ttgggttctg cgcgctgga gtacctcggc tcgctcttcg acaacggcca 240
 gctccccgc gggaacctt cgtgctcgcg gttcgacaac gccggcttcg tcatgggcac 300
 ctctctctcg ctcttcaacc agttcattct gcggtgaac aagaccgac tccccgacct 360
 ggccaaggac gtcttttcca agatcctcac ggccatcggc cgggacgggg atga 414

<210> 12024
 <211> 480
 <212> DNA
 <213> A.fumigatus

<400> 12024
 catcgccgtc tacggcccga acccgttcta cgggtaccgc aactccaccg cggcctactc 60
 ggcagccgc gagctggatg tcgtcgacgg cggcgaggac ggccagaaca tcccgctgca 120
 cccgtccatc cagcccgctc gccacgtcga cgtgatcttc gccgtcgact cgtcggccga 180
 cgggcccctac agctggccga atggctccgc cctcgtcgcc acctacgagc gaagcctgaa 240
 cagctcggga atcggcaacg gcaccgtctt ccccgccgtg ccagacgtga acacctttgt 300
 caacctcggc ctgaacacct ggcccacctt cttegggtgc gatccggcga acctgtccgc 360
 gccggcgccc ttggtggtat acctgcaaaa cgcgcgtac agcacgcaca gcaatactc 420
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<210> 12025
 <211> 2112
 <212> DNA
 <213> A.fumigatus

<400> 12025

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<210> 12026

<211> 720

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (55)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12026

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cgatggctgt tcatcatcga ggcaagcacc accgtcggca tctcgtctct ctccggccatc 180
tcgctgccca actaccggc gaccacgtcc tggctggaag agacgaacca ggccatgct 240
cagtggcgct tcatcacga tgcggcgag gccgatgata caaacgccgt ccgcatcaaa 300
gacgcgtctg tgatggtgtc cggggaccga cgaatctatc tctttatcct gctccagcat 360
tgttctctcc tgtcgcagac gttcaaatac ttcttccgca cgatcgtcaa gacactgggc 420
tacgggagca tcgagacct gctgatacag gcgcctgtgt gggctgccac gttccttggt 480

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agggttttct	ccatgtttct	gtatgcggct	tctccgtctg	atccactgag	agagatactg	660
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<210> 12027

<211> 183

<212> DNA

<213> A.fumigatus

<400> 12027

acaacttcac	gaccattgcg	gacctccaat	ccgggggatca	tgggaacgtc	tggcagtttt	60
ccacgtctat	cctggaaggg	cccaaggcca	aacacctgca	gttcctatcc	accgccgact	120
actggaagga	tttgctcaaa	gcggctcgacg	ggaagagcga	cgcggggttc	aacacctcgc	180
tga						183

<210> 12028

<211> 246

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (240)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12028

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gtatataatt	acctaagcaa	gagggggctt	gccgctggcg	gctcgctggg	cttacgttgt	180
tccgagcatg	tgacattaag	gtcttcacca	cggggtgga	aggggcagtc	cagcaagagn	240
aaccgc						246

<210> 12029

<211> 828

<212> DNA

<213> A.fumigatus

<400> 12029

gccggtaatc	tcccagccag	ggttttccca	aagggcgcat	tcaagggtggg	gattccacaa	60
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acgcctgaac	ctgaagttga	ccaggtagag	cctccatctg	ttgagaaaca	gaaggcgggtg	180
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atcaccgcag	aagaacatgt	ggccaagggg	attgaatgcc	acgagaaagg	atctctaaaa	360
gaatctactt	atcatctgcg	gattgctgcc	aagcaaaatc	acccacttgg	gatgcttctc	420
tatgctctgg	catgccgcca	tggtctgggt	atgcgaccaa	accaacgaga	aggcgtgcaa	480
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tacgagcttg	gcgtgagcca	tctgaacgga	tggggtatcg	aacaggacaa	atctctggct	660
ttgcgctgct	tcgagattgc	aggctcagtg	gggtgatgcg	acgctctagc	agaggctgga	720
ttttgctacg	ctgaaggtat	cggctgcaag	aaggacatga	agaaagcggc	caagttctat	780
cgccaggcgg	aagcgaaggg	gatcagcatg	gttgggaaca	gctggtaa		828

<210> 12030

<211> 210

<212> DNA

<213> A.fumigatus

<400> 12030

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ctttctttct	tttttcccc	cacttcatca	accatctctt	ccattctcct	gttcattatt	120
gaggttcgag	cagtattttt	gtccgctgcc	tcagtcgact	ctggcgcggg	tgctgcgaga	180
tctgccaatg	accatttggc	tgctttgtga				210

<210> 12031

<211> 192

<212> DNA

<213> A.fumigatus

<400> 12031

tataccttgg	tttctcgaac	agcaatctca	ctccattgga	gaagtgaagg	acaaatagca	60
aaactgcctc	catcatcagg	taaccctagg	gtcctccaaa	accttattgc	caatgacgtt	120
ctattgcac	ttcccttaa	ctcctctctt	cataagttgt	tgactcatta	ctgtcatatc	180
aacatcgagt	ag					192

<210> 12032

<211> 237

<212> DNA

<213> A.fumigatus

<400> 12032

ctcatgagtg	cattaatcac	aagagatata	gaaatggata	tggtttcttt	cttcaatccc	60
tttagctttg	gatatcattt	caagtactat	caaaagatta	atTTTTtctg	tgctggacta	120
ttaagggcta	tgcaactggg	cgacaacccg	gggagaagtg	tgaaggaacc	cgaaaaaact	180
cagcctttct	tggttggttc	aacggggggg	ccctcgaaca	agggatcagg	gggatag	237

<210> 12033

<211> 192

<212> DNA

<213> A.fumigatus

<400> 12033

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aaggggcgcg	gtctgagatc	ctgcagtaat	caggtggctg	aaatctcaat	tgaagagtgc	120
ttctctcttt	acgagaatga	tatgtgcttc	ttggaacggt	ccccatctgc	ctttgctgac	180
accacggcat	ag					192

<210> 12034

<211> 333

<212> DNA

<213> A.fumigatus

<400> 12034

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ttcagccccg	aagttgaatt	ttgcggatac	acgattccgc	atccctcgga	agctaagatg	120
aacttgcgta	tccagaccta	cggtatgtat	ttctgccaca	cattggcacg	gtttgatgga	180
gctgacagga	atatcgaga	ttccacaact	gcagttgaag	ccctggagaa	gggcttggag	240
gctttgatgg	acctctgtga	tgctgtcaca	gacaaattca	catcggcgcg	ggatgcgttc	300
aatgccgccc	aggctgataa	gatgacctcg	tga			333

<210> 12035

<211> 186
 <212> DNA
 <213> A.fumigatus

<400> 12035
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 ggaggagaga aggccgtcaa gcagttgctg gggcccacca tccgggcatt ggagactgct 120
 ttggccaagt ataatatggc atacactgaa gaaatccagc gactgcagtc gctggaaaat 180
 agataa 186

<210> 12036
 <211> 537
 <212> DNA
 <213> A.fumigatus

<400> 12036
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 gccagcatcc acgtctcccc acacctctgg ccctacgcac aattctggcg cctcgcaaca 180
 tggcaactcg ccggcttcac caattcaacc gagggcctct tcgccgctat gctcgectac 240
 catctccgcg ttgttgagcg cgcattggggg aagcgcaagt tcgcagtag tccctcccct 300
 tccaccttct ccctattgag ctcaatgtca cgctttgttc gcaatactga cgagaaggga 360
 aaagacattt atcatctcca cgctaccata tacctccctc ctcccgccgc tctcctcgt 420
 cctcctcgt ccattgacct ttacaaaact gaactatctc ccttgccgac cgaccgccac 480
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<210> 12037
 <211> 639
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (19)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12037
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 gaccggcagc ttctgcgcac cgatggcata tttcctttca ttgcagggga gatcagttag 120
 gagggcgcgc tgggcagtc tacacactgg gcctattcaa accggaacgc caccgaaaact 180
 gctacaaatg agcgcccccg ccgcgaagtc gcatccaaca aacaagacct gaacctgct 240
 ctggaaaacg aagctggatc ccgtactgat gcgagacggg acgcccgtcg caaacagcgg 300
 cgcacgcagc ccgattcgga ctttgacgat gctcgtgcat ctggttcgcg aaaggggcag 360
 gctagcaaac ccgcagtggt tgcaggtgcg gctactgggg atctatctgc agttgggcat 420
 ggtgcacaaa cttcgggggc atcgggggca tcgggtgcga cgaaacgccg caaggtcgaa 480
 agacctccag cggccgatgc gggcgacgcg atggaaagat ccgccagcgc cgctggaaat 540
 gcttcggggc gtggtgcac gaaggacacg acagcttcag atgccaccaa gaagagatct 600
 cgcgtccta acacgaatgc agccgctcgc aagaggtga 639

<210> 12038
 <211> 1014
 <212> DNA
 <213> A.fumigatus

<400> 12038
 ccaactggca gaaataatac gggaacctcc gcggcgaatt cgccagtgc ggcacctact 60

cctctggctg	gggcgctggg	tgccgtgctg	agcgagcca	gtcccgacc	tgagcagcc	120
gctcgcccc	agtcttctcg	tgctcaacag	agctctggac	agccgaccaa	tggtcgccag	180
cggccatcct	cctcggcgtc	caatcgccctg	acaagcaaca	gtatgtcacc	tctccatttt	240
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aacgccaagc	cgagggaaga	gaactccggc	acagccacag	ccaaggctgt	cggaccgctc	420
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ccagtacctc	aagcttcgaa	cgcagccccg	aagggccggt	cgtcgaagac	gtccacgcct	540
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tccgcgcctg	cgaacgatc	acataagaag	agtggcagtg	tagcggatc	ccagcagcga	660
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ccgcggtatt	gttactgcaa	cgagattagc	ttcggcgaga	tggttgcttg	tgacaacgat	780
gcatgcccgc	gggaatggtt	ccatctgtct	tgtgttgggt	tgaccaaacc	gccagggaag	840
aatggtaat	ttcattgggt	gaatgagtcg	gacctgctg	atagggcaca	gtcaaagtgt	900
actgcaatga	atgcaaggag	aatatgcgaa	gaaatcgga	cgcgcggtaa	ccagtcagag	960
ctcgggggtt	cgtatgctca	ggcacagttt	tgttggttgg	gatggtctct	ttga	1014

<210> 12039

<211> 1038

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (891)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12039

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agcaagcact	ctctgcatgt	cgacttcatt	gaatcatccc	gcatatacca	ttcgtatcat	180
accctcactg	tttcggggga	agagaaggac	ctcatcaagc	acatcgcgga	tgagaccacg	240
caagatgctg	acgagtaccg	cactttctgc	gagacagctg	cagccaacgg	gattgcagca	300
atattccgca	cggcaatcca	cgcccagctc	ctctatctcg	ttcgggatca	actgaaggcc	360
gtcaagattg	aacatttcag	cctgggcgac	tccaatgctt	tgctcttcat	tcgggacgaa	420
gcccgaaggct	tctacgcagg	ggtcaatgag	tatgacaatg	gcaaccatag	catcacgcga	480
agcagccctc	tcagtgcgtc	cacctttgat	caaatoctgg	catatgcgtt	ggaacgagcc	540
gcagaggagt	ggggtgtgga	aaatgtcccc	gaatccgtca	cccttgtcta	caagttccat	600
ctcttcgacg	gggtcttcca	agcctgggca	ccacattgga	gggtccgctt	tggcatcgat	660
gtcgacttca	tccagccgga	caccatgaat	cggaatctca	tggcctgggg	cattcagggc	720
cgcgcgatca	tcattgcggg	caatgagtac	gccgacatca	tccagcctgt	attcttgaaa	780
tggttcggca	actccacat	tgaacgatg	tgccgggaga	acgtgtacct	gagtcggaac	840
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gctcgtcaat	ccgtttgcga	ccatccgtgc	cgcggctgcc	atcctcgaac	ggcatggagg	960
atgctccggc	gctggattcc	ggcaccaaac	ggaaaaggcg	attcaaagtc	tcctccggag	1020
gagactgacc	acacctga					1038

<210> 12040

<211> 903

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (59)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12040

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ctccggagga	gactgaccac	acctgaccag	ggcggtcctc	gcagcacaga	tgcggtcgtc	240
gaacattttc	tgcgcgcgat	taccgatctg	acggatgcta	caacacctga	tgtccacagt	300
gatacggctg	aggccggact	aataagcaat	gcctggatcg	gtaagaagtc	cgccgtggta	360
atagtggact	accagaacga	cttcacgcga	agcacgcca	cccctgccgt	gtctgagctg	420
tctcgacca	ttccgcggct	catacgatgc	gcccgcgaag	agggacgcga	agtcatcttt	480
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actgtcgttg	aggactgtac	cgctgctttg	catgcaaacc	aggtcgatca	tttgaggttt	840
atggagaagg	tgtatggggc	acgggttggg	acggtggcca	ttttatttgg	ggtgaaggct	900
tag						903

<210> 12041

<211> 666

<212> DNA

<213> A.fumigatus

<400> 12041

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togtcaacgg	ccggaatcga	ggagctgcat	gctcttcgac	cgaagaccat	tcatcaacct	120
cttcacaatg	ctatccctcc	agaactagtc	cctcggttcc	acccgggtcta	cgtggagtac	180
tacaacaaat	ataatgctgg	acggctacac	actcacgagg	tacccatcga	agactttcgt	240
agaaatcccg	ccaagtacac	catcgctat	ggccgcgcag	ccggaccaga	tgtgttcgcg	300
atcactgagc	agaaatgccc	cgtgaaggat	ggagagatca	ctgtgcggat	ctttgaacct	360
gctccagtgt	ccgatgacca	gggcaaccca	aagaaaagag	cagcatatgt	caacttccat	420
ggaggcgggt	gggtgtttgg	tgatctctcc	gtcgatcatg	atttttgcaa	acgcctcgta	480
cacggcctcg	atggccactt	ggtggctttt	gacgtcaatt	accgactggc	acctgagtac	540
aagtacccaa	ttcctgtcga	ggattgctgg	gcagcattca	actgggtcag	tgacttggtc	600
atcaattcct	tactgtaca	attgtcgaag	tctgagacca	aagggtctgac	agtcggttca	660
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<210> 12042

<211> 345

<212> DNA

<213> A.fumigatus

<400> 12042

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gcaatcgggt	gtgtctctgc	aggaggacaa	ctgtcggctg	ttcttgacaa	tctctgccgt	120
gatggcaaca	ttccactgcg	cctgcaactc	ttgactgtgc	cagcctgtga	cttgacacagt	180
gtcttcacgt	cagatggaca	gtttgaccgc	gagaactgcc	catacgagtc	ataccgggaa	240
atggaattta	cgccggcgct	tccagcagca	cgaatggcat	acttccatag	gcattttctt	300
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<210> 12043

<211> 258

<212> DNA

<213> A.fumigatus

<400> 12043

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catacagcag	agatggaccc	tctccgggat	gagggcgagg	tttatgctgc	caaattgaag	120
gatgccggag	ttcgtgtgga	actgatccgt	gctgtcggag	cacctcatat	tttcccgcta	180
ttggatggaa	ttttggagtc	gggaaggggtg	tataacgaga	aggtgatagc	cacgctgcgg	240
aaagagcttt	tggtgtag					258

<210> 12044

<211> 390

<212> DNA

<213> A.fumigatus

<400> 12044

tctgaggaca	ctgtgtatct	ccaagacagt	aagatatgct	acggtactag	tgagtgttca	60
ttcattcatg	acgccagtgt	tattcccttt	cccggacaac	tgaagaagaa	ggatcatagt	120
ttatccgact	ccaatgttta	ccatacatta	cccactaaga	tccccgaatc	taacggattt	180
tgcacggatt	gtccagctgt	attgtgttta	tggaataccg	gaccgggtgt	tttcggcaga	240
gaagcccgga	aaactggttg	ggatagctct	gtaggagaaa	caaaagggca	aaaaagcggc	300
tggacggaaa	ctggcagaag	ctctgtttta	tttgtctcgt	tctactcgtc	ttcttcttcc	360
gctcgcgctc	tttgcttcct	ttttttttaa				390

<210> 12045

<211> 666

<212> DNA

<213> A.fumigatus

<400> 12045

catacgcatt	gcgcggttcc	ttccggcccc	gtggtgaaga	tgttcctgag	gtcgttttga	60
ccgtttttcca	gggcctgtgc	atcattggta	tgttcccgtc	ccggctggca	aagttcgccg	120
ctgaccgatc	agaaccgatc	tcttgaccgt	atgacgcgaa	ttgcagccgg	caccgagaac	180
gtagattacg	acagctgggt	tccgtcgaag	atccatctga	acatcccctt	gatgtggaat	240
atcctccagt	tcacctgcag	cgacgattec	tatccggctg	tcccgctctg	aagcctcttg	300
cattcctcgc	tcagcgcgtc	tgccacccca	aacgacgccg	aggaaagctc	tacactcgaa	360
atcatcgtga	cgacttcacc	tgaagtaacc	gtcaacaccg	cagacggcgg	ccagggcgctc	420
ccaatgcctc	tgtatcgcgc	cccgaattcg	tccaaggaca	gcaataccag	cccagctacc	480
gctccacggg	ctatgcctcc	gccagatgca	gtggtagctc	cgatcgacag	ccttatgctc	540
aacacgccgt	ggctgtggcg	tgatccggcg	ccatttgagg	acgtggatga	tctggattat	600
agcacgtccg	ctccggcgat	aggtgacatt	gaaggttcgg	cgtgggtgga	tctgggaaat	660
ttatag						666

<210> 12046

<211> 714

<212> DNA

<213> A.fumigatus

<400> 12046

ggagctgaag	cggaagcatg	ggtatgcgtc	tgctggtggg	atcgaggcgc	ggctcgtgag	60
tccagccgaa	tgctgaaga	tgtatccgct	tctgaacgag	gaaatcgtgc	tcggtgggtt	120
gcataatccc	agcgacgggc	tggegcctgc	agcccgagcc	acgcagctgc	tcatacgaacg	180
cacacgacac	gcaggcgtgc	gctacttaga	gatgacgccg	gtcaccggga	tccaaaagac	240
cggaaatcgc	gtcaccggcg	tcgtcacctc	cgccggcgctc	atcggaacgg	atatcgtagt	300
ctcctgcgcc	gggttctggg	gcgtggaggt	aggcgccatg	gccggcggtg	ccatccccct	360
cctgccccctc	gcgcaccagt	acgccaaaac	cacccccgtc	ccagcgctgg	cgggcgcgga	420
gatcaaccac	cgccccaatg	gcctcaacgc	cacgttcccc	atcctccgcc	accaggacca	480
cgacctctac	taccgcgagc	acggcgacgc	ctacggcatt	ggctactatg	gccaccgccc	540
gatgcccgtc	gaggcggcct	ccctcggccg	caccccgagc	cacgtcgacg	agaagaccat	600

gccgtccagg ctgaagggtc caccgcccga ataatttccc cccccccct tggggcctat 660
 cactatatca aactcccccc cccgcttggc ccaaacacgc tctctccgcc ctag 714

<210> 12047

<211> 972

<212> DNA

<213> A.fumigatus

<400> 12047

ccgcgcgagt caagagctag tctagtcctc agtgcaaaca tggcaccctc accacacatc 60
 gtaatcatcg gcgctgggtat tgtcggcgcc aacctcgccg atgagctggt ctcccaggga 120
 tggagcaata ttaccgtcgt cgaacagggc cgcgtgcaga tgcccggggg ctcgacatcg 180
 catgctccag gcttagtctt tcaaaccaac ccgtccaaga caatgacgcg ttctgcacag 240
 tacaccgtgg agaaattgcg ttctctcgag aaagacgggc agaactgctt caaccaggtc 300
 ggtggccttg agatcgccac cagcccgagg cgacttgagg agctgaagcg gaagcatggg 360
 tatgcgtctg cgtggggcat cgaggcgccg ctctgtagtc cagccgaatg cgtgaagatg 420
 tatccgcttc tgaacgagga aatcgtgctc ggggggttgc atatccccag cgacgggctg 480
 gcgctcgag cccgagccac gcagctgctc atcgaacgca cagcacacgc aggcgtgcgc 540
 tacttagaga tgacgcgggt caccgggata caaaagaccg gaaatcgctg caccggcgctc 600
 gtcacctcgc ccggcgctcat cggcacggat atcgtagtct cctgcgcggg gttctggggc 660
 gtggaggtag gcgccatggc cggcgctgtcc atccccctcc tgcccctcgc gcaccagtac 720
 gccaaaacca cccccgtccc agcgtggcg ggcgcgcaga tcaaccaccg ccccaatggc 780
 ctcaacgcca cgttccccat cctccgccac caggaccacg acctctacta ccgcgagcac 840
 ggcgacgcct acggcattgg ctactatggc caccgcccga tgcccgctga ggcggcctcc 900
 ctcgcccgca ccccgagcca cgtcgacgag aagaccatgc cgtccaggct gaagggtcca 960
 ccgcccgaat aa 972

<210> 12048

<211> 1368

<212> DNA

<213> A.fumigatus

<400> 12048

agcatcatgc agcacagcaa agggcccga tcccccgagc tggcaaggac actgtcgcgc 60
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 ccaccagtga accctccgcc ctcatctatc gcatcatctg cagcggctca aataatcacc 180
 acagaccagg agtttaacac tgcagacttt gtgactagcg aagaagacaa cgggtcgaat 240
 gccagcgtc ttgtcaccac agaggctctt tcggctttga acgggtttct cgaccacctt 300
 ctctacaaca tcttggaac cgccaagtgc acccagttgg catgcattcg accggcaata 360
 gctgacgtcc tcaaacctcg actcgcgaaa gaagtctgtc ctgctgcgga tgatgaactg 420
 catgagtaca tgggcgggga ggaagatgaa cagtctgaat ttgcggcgcg gcagacttcg 480
 gccaatgatt ttgacctggc ccggtcctgg aagttgactc ggcttcgatg catggtatac 540
 acgaggttgg gcgacatgga ggaagacgat gaagatgagt acatcgcgca agaccggctg 600
 atcgattccg acgatggaat tccgcccaga ttcgacagcc acgtgggcaa catcactccg 660
 gccgcccga tctttctaac gtctatcatc gagcacattg gggaacaggc ccttatcatt 720
 gcaggtgaaa ctgcacggtc ccggttatct ttgaaactta gcgacaatca tgacgaggtg 780
 accgaatctg gcgcagagcg gggcaggatg gataggctgg tcgtggaggga actcgacatg 840
 gagaaactag ctttgaatcc gaccctagga aggtctggc ggacctggcg aagacgtgtt 900
 cgaacaggta gtttatctcg gacggtttca agggagtcat tccagcgtcg caggttgact 960
 gcacctctg caggcagcag aaaaagcagc atcgttactg tcgatgaatg tccacctgt 1020
 ctgcgagtgt caccggatgt ggagcacagc aaggagcttg atccagcatc tgtcgtctg 1080
 ccaatgagcg agcacatgt cgaagagatt gagatcccgc gatatgtggc tgaggatggc 1140
 agcgaagtgc atgaaataca tgagattcgg accatgcaag ctgtcgtagc tcacaaagtg 1200
 cgacctcata gcctcatggt gtcaccctg gcatctccaa aatctccttc cacagggaac 1260
 tccccgtta ctctctcag cgcacagggt cccagagttg tccgtcacgc tcggtcgcgg 1320
 tcactacca gcagcccgtc ccccggaagat gatactccaa atgagcgt 1368

<210> 12049
 <211> 186
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (13)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12049
 tatcatactt tencgtccct gctggagaaa aaacttctgt tcgcggtcct atttgcgtac 60
 ccatcatgtg ttcgcaacca caagaatacg aagcccccta acaagcaggc agtgcacaaa 120
 gcaacatttt ctgtctacaa ggctggcgag atactaatac tatctggctc ttccagaatg 180
 atctag 186

<210> 12050
 <211> 747
 <212> DNA
 <213> A.fumigatus

<400> 12050
 agactcgtc aagctattga tgagatctgc gaggccacag catcccagaa ctcccgtctt 60
 tggatcgtg cagaacagca agtctttcag cggcgatag acgcatggac gattgacctt 120
 atgcgaagat tcaaccgaaa cggacaaata gtcgtctaca acactatcca ggcgtatttg 180
 aagtcacga gcgagaacgt ccatcggcac ctttgcctag cgcaaaagca aggatggaca 240
 ttgggaatca agcttgtccg cggggcttac atcgacatg atatcagatc ccggatacac 300
 gatactaagg cagatacgga taacagctac gaccatatcg ttgaaagcct tttatcacgg 360
 aagttccgc tgaaagtagc ggctgataat gcggcagcgt tcccggatgt acggttgttc 420
 gtggcctctc ataacgcgga aagcgtgctc aaggcgtcgg cgctgtatag acagaggatc 480
 aataacggtc aaccacgat tccacttgag attggccagt tgcaagggat ggcagacgaa 540
 gtgagctgtg agttgttggc tgggaacagc acgggtcagt cggagatgcc gacgcctgga 600
 gtattcaagt gcctggcttg gggaaacaac gaagaatgtc tgcatttcct gttgcgaaga 660
 gcgattgaga ataaatcggc cctggagagg accaaagaca cagcagtagc gatgacgacg 720
 gaagcctgga ggagactttg gtggtga 747

<210> 12051
 <211> 441
 <212> DNA
 <213> A.fumigatus

<400> 12051
 cggggcagga gaagtatccg tgctagcaac ggttatggca tccaggaacg gcttccaact 60
 gacaccacga acgcgctcga tcttttgtcc tcgatatgtg gttcccggat gttgcagccc 120
 agcgtattcc agaatagttg ggacaatgtc catgactgta caaaaggcgt cgatgacacg 180
 accaccctca tgcagggcct cggattgcc cgccggcttc acaaccaacg gcacacggca 240
 accaccctct gtagagaaca tcttgtagag tcgcgatggg gccgtcgctg cttggggcca 300
 gcgactgccg taccacacgt aggagttggg ccgcccgatg ttctccaacg aattatcata 360
 gtacttctcc agatgtgctg tgataccact gccgccgaga ggccaagcct cgtaactggc 420
 gccctcggca ccattatctg a 441

<210> 12052
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 12052

acttccatcg	cgcgagcgga	tttcgcccgc	tcttcgttgg	acatcatctc	ccaatcaatg	60
tctcccggtc	cogttacaac	gtcgtggggc	acaatgtctg	gcgcaaccaa	gcccagttcc	120
tttagtctct	cgagtcgctt	aagtctcaat	gcggctggac	cttcattgta	catcccgcgg	180
tacttgtcta	cgtag					195

<210> 12053

<211> 393

<212> DNA

<213> A.fumigatus

<400> 12053

cgctaagcc	tttttcgggg	tggaactgagt	tcaatttcct	tccaggttgt	tggggctggc	60
gttcccacaa	gttccatgct	catgactgga	acggaccacc	acttgaccgg	tttaggccaa	120
ttgccggagt	acatagccct	gtctggcgcc	caccaaggcg	ccccaggcca	tgaggggtat	180
ttgaacgaga	gggttgtggc	attgccggag	ctgctcaggg	acggcggcta	ctatactctg	240
atgtcgggaa	aatggcacct	tggcttgaag	cgggagtact	cgccgcagtc	cggggggttt	300
gcgaagtcgt	acgctatgct	ttccgggtgcg	gcgaatcatt	atggtaagtc	tgtgcaagtt	360
gtttatcttc	attctggatc	tgaagggtgc	taa			393

<210> 12054

<211> 1494

<212> DNA

<213> A.fumigatus

<400> 12054

agcgggagta	ctcgccgcac	gcccgggggt	ttgcgaagtc	gtacgctatg	ctttccggtg	60
cggcgaatca	ttatggtaag	tctgtgcaag	ttgtttatct	tatttctgga	tctgaagggt	120
gctaacgaga	cccaagggtta	tgagcctctg	tatgatgacg	ctgtcacgga	cgtccaccct	180
ttcttccaaa	caacggtgac	ggctctccac	atggaagacg	ctgagtattc	gacaaaactg	240
ccagaggact	tttattcttc	ccagacatac	gcctcgaagg	tcatcgaatt	tctttccgag	300
cgtcctaagt	cggaaaatgg	gaagccgttc	ttcgcttacc	tccctttcac	tgctccgcac	360
tggcctctgc	aagcgcccaa	gtcctacgta	gacaagtacc	gcgggatgta	caatgaaggt	420
ccagccgcac	tgagacttaa	gcgactcgag	agactaaagg	aactgggctt	ggttgcgcca	480
gacattgtgc	cccacgacgt	tgtaacggga	ccgggagaca	ttgattggga	gatgatgtcc	540
aacgaagagc	gggcgaaatc	cgtcgcgcg	atggaagtct	atgccgccat	ggtggaggtg	600
atggatgaga	atatcggccg	cgttctggac	tacttacgac	agtcgggtga	atacgacgac	660
acaatcatct	gcttcatgtc	agataatggt	gccgagggcg	ccagttacga	ggcttcgcct	720
ctcggcggca	gtggtatcac	agcacatctg	gagaagtact	atgataattc	gttgaggaaac	780
atcgggcggc	ccaactccta	cgtgtggtac	ggcagtcgct	gggcccgaagc	agcgacggcc	840
ccatcgcgac	tctacaagat	gttctctaca	gaggggtggt	gccgtgtgcc	gttggttgtg	900
aagccggcgg	gcaatccgga	agccctgcac	gaggggtggt	gtgtcatcga	cgccttttgt	960
acagtcagtg	acattgtccc	aactattctg	gaatacgtg	ggctgcaaca	tccgggaacc	1020
acatatcgag	gacaaaagat	cgagcgcggt	cgtgggtgtca	gttggaagcc	gttcctggat	1080
gccataaccg	ttgctagcac	ggatacttct	cctgccccgt	catcgatcca	tggcgaggag	1140
catgtcacag	gctgggaaat	cgctgggaagt	ggtgccctgc	ggaaggggacg	gtacaagatt	1200
acttatgttc	cccttctctg	gggcccacaa	cggtgggagc	tctttgacat	tgtagaggat	1260
cccggagaga	cgcgcgattt	gagcaaggag	aagcctgaaa	tcttcaatga	attgttgaga	1320
ctctgggcga	tctacgctga	ggaggttggg	gttgtcggac	tggctggcca	aatatcggcg	1380
aacaaccagg	tagttgaagg	agtcaaggat	gaatttgagg	atactgggcg	ttggatccgt	1440
tttattggca	aggacaatgt	gccacctgag	atacaagctc	ggcttcccaa	atga	1494

<210> 12055

<211> 192

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (72), (103), (122)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12055

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tacgtttacg	tnatcggtaa	agttatcaaa	ccattgaccg	cgnataccac	cgaacatgaa	120
tnttcaatac	ttcccccaaa	tatttggaac	atacaagtat	caacgcgcgg	tatccctatc	180
aattttgtat	aa					192

<210> 12056

<211> 261

<212> DNA

<213> *A.fumigatus*

<400> 12056

tccaaagagg	cccgcacgca	aatggccatt	tctgcatata	aaaatcaaaa	aattaaatca	60
aaatcaaagg	ctgctgagat	atttgggggtg	cctaaatcta	ccctttgtaa	gcggtcttagt	120
gggggttaaag	tatgtataga	aacacgcgcga	aatagccata	gaatgatagt	tatggaagag	180
aaatctctta	ttaagcatct	cctagatgca	gataagcggg	ggttcttaat	tcagcctgag	240
tttttacgtg	gaatagcata	g				261

<210> 12057

<211> 255

<212> DNA

<213> *A.fumigatus*

<400> 12057

gcgagcggat	cacgcaaccg	agcggatcac	caaacgcggt	ttgacttcta	tttcaaaagc	60
tgcagtgtc	agccagccac	tatgccacca	aaagcgtgta	taaactcaaa	aaattcagtt	120
gagcaggagg	gaagggctct	acttgacgta	tcagctttga	aaaataagga	aattcttaat	180
attcgtgaag	ctgcgcgtgt	ctataatgtg	ccttatacta	ccctccagcg	gcgcctaaag	240
gggcatactt	tttga					255

<210> 12058

<211> 1032

<212> DNA

<213> *A.fumigatus*

<400> 12058

caacgcgaaa	gggtccaacc	caaaatggga	agactggata	tagattatca	gaaactttat	60
gaggcctttt	tccgcttcca	gacgaaaccg	gaattgactc	gttacggtga	ggtttactat	120
gagggcaaaag	aatatgagac	caaccttaga	cacttacgcc	ctgggtgagct	cagcgcctgag	180
ctaaaagaag	ctctcaatat	gccgcccggt	gcacctccgc	cctgggttgat	aaaccaacaa	240
cgatatggac	caccgccgtc	gtatccggct	ctgaaaattc	caggtctcaa	tgctcctcct	300
cctccagggtg	ccatgtgggg	ctatcatcct	ggcgggtatg	gcaaaccgcc	tgtggatgaa	360
cataaccggc	cacttttacgg	tggcgacata	tttgggtgtg	tacaaccaca	gcaaactgtt	420
caacaaggag	agcctgttga	aagagatcta	tggggcgagt	tgcaagaatc	tgaaccgtcg	480
gatgatgaaa	gcgaggagaa	cgaggatgaa	cctgaggacg	atgtggatac	tgagacaggc	540
gtgcagactc	ccagcggatt	agagacacct	ggcgggtatg	tctcaagcgt	tccatctgag	600
tttatttggtg	cggagaacgt	tacaggcgag	tttgacgtgc	gcaagagtta	tcgagggtacc	660
cagacagagg	aacatgtggg	gcgtcgaagt	gcttttcaga	tcattcccaga	gaaacaggcc	720
catgtacagg	gtttcttttg	ggccgacaga	gtgtacgatc	tcaaggcacc	tcctgagggc	780

ttgccagtgc	tcggtgctga	ggacccaaat	cgaaaacgga	agaagcctgg	tgatgttgac	840
gtgtccgttg	atccagacgc	attacaagcg	agcgatggga	tgagtaaaga	aaacctacga	900
agtctttacg	agtcgcataa	gcatcaagag	accaatccca	actgggattt	ccaagaagac	960
ttgagtgata	tgatcgctta	tgagagtcgg	aagagattga	agaaggaaga	ggatcgacga	1020
acgaagcagt	ga					1032

<210> 12059

<211> 276

<212> DNA

<213> A.fumigatus

<400> 12059

ggtagtacag	agtcctattg	caaagccagt	ctcatcaaag	ttccagatat	catcttcattg	60
tataccatac	tcttggatag	ctttgcatac	agtttttaac	caactgttta	taatatattgg	120
atcctcctgc	tttgcacact	gataagatat	gtattattta	tatcttatac	acagctctgg	180
atgacgttta	acaaacttat	atacctagtt	aatactaagg	gtagtagtag	gatcatgagt	240
acgcgctcgc	agcagaatct	atgctattcc	acgtaa			276

<210> 12060

<211> 399

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (279), (396)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12060

agacgcttgc	acaattggcc	actcatttct	caaactgccc	aagaagccgt	cgccatgctt	60
aacacaccgg	aaattgtgct	tgaccagttc	tgcgtttctc	ttcgaaatgg	gtttctccct	120
gatacccttc	ctctgcagaa	actgaacgat	ccatactact	ccccatggga	ggaagtgtgc	180
gctgatttac	cagctctgct	caactgcggga	aattttacggc	aagcggttga	cagtctacct	240
atcctctcga	cttccaaact	gcagaaagaa	tcagaaagnc	ggcgagcata	tggtgtgctt	300
gcttttatca	tcaatgctta	tatttgggga	agtgaacagc	caaaagacgt	atgtgtcttt	360
ttgtcgttgt	atgattgcag	ctttctcatg	gctctntag			399

<210> 12061

<211> 639

<212> DNA

<213> A.fumigatus

<400> 12061

gttcttccac	cagcagtgtc	gtgtcccatc	ctggaggtct	caaagcattt	agagctgcca	60
ccatgtgcta	cctatgctgc	tttgaacctt	tggaaacttc	aagtctcttc	tcctgatatt	120
gatctcacta	acccggacaa	cctgtctatc	atcacaactt	tcaccggtag	caaggacgaa	180
gaatggttct	tcatgggtgc	tggtgtctatc	gaagccaaag	gagcggattt	gattaccctg	240
atgctccacg	ccatatatgc	agccaacctg	gctgacgac	aaagggtcac	aagtctactt	300
tatcaactga	gtgatggcct	gaaagagcct	ggcgaaattc	tggagaggat	gtatgaaaag	360
tgcaaccac	acgtcttctt	ctatcagcct	cgcccttact	tggctggtag	taagaatatg	420
gcacggtc	gactgcccc	gggtgtcttt	tatgacagg	gaggctacgg	agagtggcat	480
cagtacagt	ggggaagcaa	tgcgacagag	tcactaatcc	aagcattcga	tatatattttg	540
ggtgtggagc	attctgccac	cggggaagca	aagctgagca	acacaagtca	gtacaagcct	600
aagattggct	atattcaggt	acgtattttac	tctcattga			639

<210> 12062

<211> 381

<212> DNA

<213> A.fumigatus

<400> 12062

gatatgCGAA	actacatgcc	tggccctcac	cgacgcttcc	tggagatgat	gattcgaatt	60
tcgaatgtgc	gccaaatttg	catgaactac	aacgcagata	cagaggtcag	gaatgcatac	120
aacacggcag	tcattggctgt	tggggcattc	cgggataagc	atattcagat	ggtttcacga	180
tatattatca	cgccttcgag	gacaaaacca	acccgtatgt	cgtctgcaca	agtcaatcta	240
gcaactgtga	cagcagcgca	tcaggtcaca	cgttcgaagg	acactccagc	agaatacagt	300
ggtacaggcg	gaactgacct	aatcccattc	ttgaaacaga	ctcgggatac	gacaaaagct	360
gccgccaaat	atactgactg	a				381

<210> 12063

<211> 243

<212> DNA

<213> A.fumigatus

<400> 12063

gtgtcagaca	gtttgtcaca	atcaaactca	ttctgctgtg	atctcaaaag	caccggtgcc	60
acatcctcct	ccatcatgtc	caccaacggc	acactatcca	agcctgagtt	ccctgccaat	120
gCGGcaagca	aggagtatgc	ggcctctctg	gacgctgcag	acccattcgc	aggctttcgc	180
gagaagttca	tcattcccatc	aaaggcaaac	attgCGtcta	caaaactggc	gaaaccagggt	240
tag						243

<210> 12064

<211> 471

<212> DNA

<213> A.fumigatus

<400> 12064

gttctagtct	tccgagcagc	cgacttgacc	ctattcagtt	ctaattgtcag	aacagagttc	60
aaaccaatcc	ctggagcggg	tggttaccag	atttcgaacc	cttcggctat	cgaccttgcg	120
tgcttgtgtg	ctgctctatc	ggtctttgat	gagacctcta	tagctgagct	gcgcaagaaa	180
tccgtcttga	tgacggcata	tctagagtac	ctgctgttaa	aggacaccac	ggaggagtgc	240
cggcaattcc	aaattatcac	accttccgat	ccagccgctc	gaggtgctca	gctcagtctt	300
ctgcttaagc	ctgggctatt	gcacaaggta	gctcatcgac	ttcaggaagc	aggaattatt	360
tgcgacaaga	gagaaccagg	cgttggttcgc	gtcgcctcctg	ttccattgta	caacactttc	420
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<210> 12065

<211> 528

<212> DNA

<213> A.fumigatus

<400> 12065

attcgcAata	cccgcatggg	ttatgctaac	ttgcaccagt	atgccatcga	atcacatctt	60
gcctggcatc	atctagatcc	taaggagacc	atggtgctca	tCGGCCaga	tgagggaaca	120
tacgagatcc	caactgagaa	gatcttgtct	tacatcgatc	agcatgcaga	cgaggcagct	180
ctcatcctgc	ttccgggaat	ccagtactac	actgggcaat	tattcgacat	cccaaagatc	240
accgaatatg	cgcactcacg	aggacttatt	gtcggatggg	atctcgctca	tgcctacgcg	300
aacgtcccac	taaagctaca	cgactgggac	gtcgattttg	cagcttggtg	cacttacaaa	360
tacggcaatg	ccggccccgg	ggcaatggca	ggcctctttg	tccacgagaa	acatgggtcaa	420
gtcgactaca	gcgaaggaga	ggatgcgcca	aagtccgac	accgtctgac	tggatgggtat	480
ggaggcgata	aatcagtgcg	attcaagatg	gacaatagtg	agttctag		528

<210> 12066
 <211> 459
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (84)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12066
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 gacacatggc catcaattgg cgtctgtggc cacttcacaa aaatcgaaaa atccccatta 180
 aaggaatggc aaaatctggg tgagcaagct tgccaatcta tgtcgaaaat cggtgggggc 240
 ggcgcccaaa aaaatcccaa caatgggtac attaacgatg aatctgact tgttgctcgc 300
 aagctttttt taaacccac tgcaaccaag cgtaaaatcc tgatggactg gaaggcggtt 360
 cccagtgatc atgtgagtga taaattcgca ataccgcgat gggttatgct aacttgcacc 420
 agtatgccat cgaatcacat cttgacctggc atcatctag 459

<210> 12067
 <211> 633
 <212> DNA
 <213> A.fumigatus

<400> 12067
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 ctcatgtcct acacttatct gccgtcaacc ccctttgatc catatccgac aatcattatg 120
 acgacgaatc cttcgtcacg caaaacgaac catctcatga ccaaccacg agtctctctt 180
 ttagttcatg actgggtgtc tcaccgtcct cccaccgcg ccccaaacc cagtgggcaa 240
 cgcgatgggt ccccgccgcc cggttgcaacc cggtcctctt tggctagtct gctcctcaat 300
 ctgaacacca gcgcactatc cagcatttgc acaactatca ctggtaccgc ccgatttttg 360
 gaacctgggt cggaagaaga agcctgggtg aaagagagac atctggagaa taacactttc 420
 gaagaagagc tgggtatggt cgggtcaacg cagcaggctg ctggtcaacg gaggccagc 480
 ctatcaattg acaatgatgt acgggttgct acgggtccgg taagagaagg tcgcattgca 540
 gattggaagg gtggcgtagc ggattggaaa ctggtgtctg aaagcgagtc acaagccgac 600
 gaaccacttg tcaacgggac catgactcca tag 633

<210> 12068
 <211> 1149
 <212> DNA
 <213> A.fumigatus

<400> 12068
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 tcaatctccg tccctaccat tacacatgat gttttcatcc agactcaatt gcatctaagc 180
 tccacctcaa gtcaaggaca agaacaaacc accacaatac gtccaacat gaagcttgca 240
 caccttcatt ttcccgacat cacctccttc acccggtcg cccatctcca gcaaactctc 300
 accaaccgtc ttctcgcata caagcgactg agctctccgg caaccgcaaa cacaggagcg 360
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 ccgcccacatg gctcgccccg agcagagtac catcccaccc tgcgcggggg gcaaacaacc 600
 taccacgggc ccgggcagat ggttgcatat acgattctag atctacgacg gctggggcctg 660
 accccggggt gccatatccg cttgctcgag aatagtgtca tcgatgttct gcgcgggtat 720

ggcatccagg	gattcgtgac	cgaggatccg	ggcgtgtggg	tgccggccgcg	accggctacg	780
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cctaagaaaa	tcactgctgt	gggggttcat	ctccgtcgga	atatcagtag	ctacgggatt	900
gggtttaatg	tgacggagga	gccgatgtgg	tattttcggc	agatcgtgcc	gtgtgggctt	960
gaggggcggg	agccacagag	tctggagggc	gaaggtgtgc	cggtgtgtgc	tactggggag	1020
gttcagaca	agtttgtgga	tgcgttcgtt	cagagagtga	atgcggattt	tgcattgtgg	1080
gggcgtgcaa	ctggggagaa	gatcgagggt	gtgtataatg	ttcgggaaga	agacctcctt	1140
caacaatag						1149

<210> 12069

<211> 183

<212> DNA

<213> A.fumigatus

<400> 12069

cgtccatcga	caaacttctc	ttctctatat	atgctttttg	acacctatta	ccctattcct	60
aatgatttct	gggtacgtgc	ttaccagagg	tatacccgag	tacggattgt	ggagcacttg	120
attttctcgc	cttgtctact	tgatttcttt	tccttctatg	attggatatc	tatcttggag	180
tga						183

<210> 12070

<211> 195

<212> DNA

<213> A.fumigatus

<400> 12070

atagcaatat	cttcagcaag	ctttctgcag	gagcattcgg	tcttgtcggc	tcaccgtaac	60
aatgaatcga	ctaggcaggc	tacctctgcc	tctgcctcct	tcagtatgtc	tattttgtcg	120
gttttcgcga	acggcgtcgc	ttccgtcgtc	gttcgaggcc	acccgttcaa	tggccactgc	180
tcgactccgc	cgtag					195

<210> 12071

<211> 1953

<212> DNA

<213> A.fumigatus

<400> 12071

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aatcgactag	gcaggctacc	tctgcctctg	cctccttcag	tatgtctatt	ttgtcggttt	120
cgcgcaacgg	cgtcgcttcc	gtcgtcgttg	caggccaccc	gttcaatggc	cactgctcga	180
ctccgccgta	gagtcgctcg	gatgactcta	tcgccagatg	tcgccaaacc	atctgtggtg	240
aagaaaactc	ggggtgacaa	ggaacggttt	ggaccatttg	cggggatgaa	tcagacagaa	300
gcacgaattc	gcgaaacacc	gagagcaagg	tctcgagcag	ctcagaagcg	ctctggagag	360
cccaggagg	attcccagaa	ggaaagcccg	ttgtataaag	cgttgaagat	gcaaacagca	420
ctgacgccta	tcccatacgg	tcgtcgcgca	gccatcaagg	ccaagattgc	cgatatcacg	480
agcttcgatc	aatttcagct	actgcctgtc	gtacgcaatt	cgatttcttc	ccaagctttg	540
cccggtttgg	tcgacgtcac	gccgacaccg	attcagcgtc	ttgccatccc	gagactctta	600
gaggagccaa	agacggagaa	gaaaccaaca	aaagcagacg	atgacgagcc	tcggtagcac	660
caataccttc	tagcagcaga	gacagggtcg	ggcaagacat	tggcgtatct	acttccgggt	720
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gagaaagcta	gggagagaga	agagaggctg	aagaatagag	cttttgatat	cgagccagag	840
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tcctttgccc	cgaccaccac	agagatcatt	agcaaggccg	ccccttcact	ccgcaagctg	1200
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gacttggcct	ccgcggcat	tgacactctt	gcagtcaaga	ccgtcattct	ctaccacgtt	1800
ccgcacacta	ccattgactt	tatccatcgc	ctcgcccgct	tcggccgaat	gggcaagcgc	1860
ggcgcggggg	tgggtgctgt	cggcaagaaa	gacagaaagg	acgtcgtcaa	agaagtcgcg	1920
gaggggtatg	tccgtggtca	ggcattgata	tga			1953

<210> 12072

<211> 195

<212> DNA

<213> A.fumigatus

<400> 12072

acgacaactc	ctaggettac	tgtatatctc	tactgtcaga	caggaaccgc	ctccccacc	60
gactccaaa	aatcacacct	ctcctttaa	aaacacacct	gcgcggttgc	caaccatcc	120
ggagcaatca	cccaatctc	cccggttctt	ctcgaagaac	cgggacaccc	tttcttcgaa	180
cgcattctc	agctt					195

<210> 12073

<211> 948

<212> DNA

<213> A.fumigatus

<400> 12073

agtgtcccac	aatacgatcc	agctagtgtg	tatgttccac	aacgaccatt	ggcgacaaat	60
agatcgccac	agaaacagcc	tcaaagcaac	tcgtctctc	agcagccgca	aaatcgcaat	120
gaccgccaac	cagggccccc	accaccatca	ccaagcaaag	accaggtatc	tccagccaaa	180
tcttccttgc	ctcgtgccag	ccgatttggc	gtcaaaggga	cgggcttcga	tcctgagagc	240
gagatctggt	cggatttggg	cagcgttggg	aatcggtagc	ctaagagtgt	gaccttcgat	300
gctgtctctc	ctcaggtgaa	tgagtacgag	atgactactc	cagatccttc	gtcaatcgcc	360
tcggagtctc	gcgacggaag	ctacgactct	gaagaggatg	aagggtgacg	tagtttcgat	420
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ctcgtgaagg	aggatgatcc	attcacagag	gatgacgaat	cccacagtcc	cggcccaacg	600
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tcttcctctc	ctggaagatt	ggcagcagcg	ttcgagttgg	gaagtggcgg	taaaagagtt	780
attcattctc	ccccgcctcc	tgcacatcat	acaaagtcgg	acatcagtga	attgagccgt	840
gcatccatgt	ctttggaggga	cagactgcgt	ttgatgatga	tccgcaagga	tgaacggggc	900
aagcaggagc	acgagaatgg	tcttcaccac	agggcgagca	ccgcgtaa		948

<210> 12074

<211> 822

<212> DNA

<213> A.fumigatus

<400> 12074

agagcttcag	gcaatcattc	agccttgctc	cctgctttac	ccatagcagt	cacagtgtcg	60
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tcttacgact	catcgcgctcg	tctgtttccac	ccaccgtctc	tcttgctcgtc	cctacgcgaa	120
cggatcctca	tcagaagaat	ctcaactcgc	agagtgtgtcc	gccctcgtcg	atcatacacc	180
atgcccgcct	tgatcaatag	cgccgagccc	gtcgcgcccg	tgtcgcgct	ccgcgagctt	240
gaagacgacg	aggaatatgt	catgaccgca	ttcgagcgcc	atgcgagcca	ctgctcgcaa	300
tgcgcggacc	cctttcgtgt	ccaccaggaa	ggcggttcac	tctgtgaccg	tggtcaccag	360
tacgccctcg	acgtggccga	gtactttctac	agtgagaatg	gcaaggccaa	gtccgtcatc	420
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gaacgcgagc	cacgcaactc	caagcgctcg	cgtgtgatca	tctaccaatc	tccacgtaga	720
tcgtctcgcg	gtccctgtga	cgactctgat	gcggcgagacc	gcgctgagcg	ctccaaggaa	780
tctccttcgc	gcatctaccg	accaactggg	taccatcggt	ga		822

<210> 12075

<211> 234

<212> DNA

<213> A.fumigatus

<400> 12075

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gtggccgact	ctgttgcagc	agacgccctt	ttcctatcta	gaattaacaa	tcagaggcta	120
aaagcactgc	ctgcatgcac	cagccacagc	agactagcca	gtcacagtgt	tttgtggaag	180
cctgaggagt	catccccagg	caaacatcag	acactaagag	tggaatggga	atag	234

<210> 12076

<211> 210

<212> DNA

<213> A.fumigatus

<400> 12076

ggcatctccg	ctgggatatg	gctgcctcgc	cctcaaacca	gtttctgggt	cgtggccgat	60
gggttatca	ccgatataa	taagattatg	gtgctctaca	tgtgcatgtg	tagcgtgagg	120
cacagctgca	gtcaaccag	cggggtaaag	aaattagtat	acatgcacct	aggtggcagc	180
tactgtcacg	cactccaggc	taatgcatga				210

<210> 12077

<211> 597

<212> DNA

<213> A.fumigatus

<400> 12077

actccgtctc	ccactccggt	gtggcaccca	tcggcgccgt	cgagtctcct	ggtctcacat	60
gtgggagaca	cgcggtattct	gctatgttat	actgcaacag	gagcggaat	cccactgacg	120
tccaaccatc	atccttcgtc	cccgatcgaa	gccaatcggg	tgaggcgata	tgccgccaca	180
tttgtaaccg	attcctttgg	cgaggagcgc	atgagtgggt	tggcgaatac	gcgtgccttt	240
ggcgacgtcc	aatcgaaacg	catcggcgta	tctgcagaac	cagaaatccg	gcgtatcgag	300
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gttcgthtgg	gcggttgga	gcgccgactg	gaaggaggac	ttgggagtct	ggggaccaaa	540
gaatcccag	aatggcgctg	acaagaagca	actgatccgc	gcagttccag	gcgatga	597

<210> 12078

<211> 348

<212> DNA

<213> *A.fumigatus*

<400> 12078

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ttatacctgc	tttccttttc	ctctcctatt	ctctccccct	ctcttcttca	agctcaagat	120
cccagtgcgc	ctccagctct	cgctagtccc	tggagcgccg	gagctctgga	gcttgcccgg	180
gcaaacaaga	ttgacagctt	ctggccttgg	gttatcaccg	gaatctccgc	cccagtcattg	240
gctttgaagc	aattcatcaa	cgctgttcag	ctgggtgaaag	ctagcaaattg	gcttgctgaa	300
ggggatcggg	ccagacgcaa	ggctgaacgg	gaggggaaga	cactgtag		348

<210> 12079

<211> 864

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (170)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12079

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ataccgttgc	gcagtgcgaa	acaccacttc	ggtgctgcca	catcccgtgn	gactcgtgtc	180
tcgaatgagg	atacacacca	ggctggcgctc	cttgatattc	ctgcctttgc	aaagcgaccc	240
cctgcgtctg	tgactatcaa	gcgcaccact	gcgcctctgg	agaaccgggg	tgcatagatgc	300
gccagcggtg	acccgcaagt	cttttacttt	ggtgtgtttg	acgggcatgg	agggagcgaa	360
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gaattccagt	cgagcctgag	caaagaccga	gagggccact	tttccaagaa	tgagtccggag	480
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gagaaaaccc	tagttcagaa	ttggagaagg	ctgggtcggag	gttacttcaa	gcgatttgtg	600
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gcggaccttg	acttcgtttc	agcgcaagcc	gccaagggaag	acgatgaact	agccacggct	780
cataagccgc	agtaccaaga	tgacattctg	tacgggcca	agcatacaca	gcagaccgaa	840
gcttggcggg	taccgacgat	ttaa				864

<210> 12080

<211> 441

<212> DNA

<213> *A.fumigatus*

<400> 12080

gacgctgacc	gctggtgcaa	cggtgcagga	tattcccgag	ttttcttgac	cattgcctct	60
ctctactaca	tgccccctcca	cccacgaaca	tgctctttac	tatatagcat	atcatgcttg	120
ttggatgcct	tgatggata	tgacgcgcgc	tactacaatc	agtcaccac	ttttggtgcg	180
gtgctcgaca	tggtgacgga	ccgatgcaca	accgcctgtc	tactggtatt	cctcagctcc	240
gcgtggccgc	ggtgggccat	ccttttccag	agcctgattt	ctttggacct	cgccagtcac	300
tatatgcaca	tgtacgccac	gcttagcatg	ggaggagcga	gccaaagcca	caagaacgtc	360
gaggccacca	gaagctggat	tctgtaccaa	tactatcaca	gcaaggtgag	tgcatgcaa	420
tgtctacaaa	aggagagctg	a				441

<210> 12081

<211> 621

<212> DNA

<213> *A.fumigatus*

<400> 12081

acagtaagac	aaccgagact	atacagtatg	accaggaaaa	ccactaatta	tacctctgta	60
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gcaatcgccg	caatcacagc	taatccttcc	agtaatacta	cgacgacgac	cagctccagc	180
aacaaccggt	ggacctcaga	cgtgcaggaa	attcttagca	tgaatctcga	actgtggcga	240
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gttgctcgca	tgcggggcaa	atattacggc	gcgcgatata	tcatccatcg	tccacttctg	360
tatcaggctc	tgcattttgc	tggactcccc	tatcctaata	cgacctccgc	gttagtcggg	420
tcacccgctg	ggtctgttct	ccctagcaag	aaatctgagc	aggtttcgtc	cctattacc	480
cacagtcaac	aggcttcaag	catggcgcat	ctgtcaagca	atataggcgt	accagtccat	540
acagctcca	cttatgtcca	aggaagctcg	acgggcagtc	ttcaccacgg	ggctggaagg	600
accagagctg	atcaaattggg	a				621

<210> 12082

<211> 372

<212> DNA

<213> A.fumigatus

<400> 12082

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cagagctccg	cattattcca	taccccttcc	ggcaccctcc	catccggctc	ttcatctgct	120
tcctcaactg	acggcccccg	agtttctgtc	tcagaactata	tatccctctc	aagaccacag	180
cagcaatggc	aatcctcctt	ctcctccagc	tcagtcttcg	acaacgatct	cgcataattc	240
ccgcacgcct	gctcaccagc	atctaacctt	tgggtatacat	cagagcaagg	cacatcgcgc	300
tcagcaggta	atgactctcc	ttttccacgg	cgcataaaaa	aagctgctct	gaacacaaag	360
gaactggact	aa					372

<210> 12083

<211> 276

<212> DNA

<213> A.fumigatus

<400> 12083

ctttacattc	ttccacaata	taaaaaggcg	tgcgaccggt	gtagagcaag	aaaagcaaag	60
tgcgatgaag	tgcgcccttc	ctgcggccac	tgcaaggaga	acaatttgat	atgtgtctac	120
aaagaagtcc	tcccccataa	gtgcgtgaca	tgcctgactt	ctgtccttca	gttggttagt	180
tgtcggatac	tgacctcaa	gctagacagg	aaaaggccac	ccagcagatc	ttggacaaga	240
tacaatgtct	ggaagataag	ctcgcagcgc	gtctga			276

<210> 12084

<211> 417

<212> DNA

<213> A.fumigatus

<400> 12084

aacaaagacc	catatgtggc	agtcctggtt	gatggtgacg	gcgccatctt	caataaggag	60
ttgttgctgg	accctcgta	gggggcctct	gaagctgccc	tgcgactcac	ccaggccgtg	120
agaaactacc	ttaaagatac	acctcttggg	tccgaggatg	ttcctattgt	cgtccggatc	180
tttgccaatc	tgaccgggct	ggccaaatcg	cttgtcactt	acaatgacat	cgaccatgag	240
gataagatgc	gagaattcgc	cgagaatttt	actaatagtc	gtgccgagtt	cgattttgtc	300
aatgtcggtc	gcggcaagg	gaacgcggac	tctaaaatga	gaagtaagtt	tccgacgggt	360
ggacagtttc	aactcgctga	cttgatttct	cgcagagatg	ttcaatcatt	tctataa	417

<210> 12085

<211> 273

<212> DNA

<213> *A.fumigatus*

<400> 12085

catcaatcac	tgggatatga	ctataaacacg	gogcacaagc	aactttttcgc	agtccccgtg	60
atcatcctcc	gtccatccaa	cggcggaag	aaatggaagt	tcttcagggtg	cgcggcagat	120
gacatgcaga	gtgtctggtc	gctgggtcac	ggtgggtgcaa	tgatcgacac	cgctctgttc	180
tccaaggact	gtatcaaagg	acctgtgcat	caatcacatc	gaatattcta	tgtgactacg	240
aggagcaag	aatcaccggg	ttcccgatgt	tga			273

<210> 12086

<211> 195

<212> DNA

<213> *A.fumigatus*

<400> 12086

tttctcgcag	agatgttcaa	tcattttctat	aaaaacttcc	agtgcaagaa	aatctttcttt	60
gctgggtgcc	atgataacgg	ctatcttcat	gatcttcgcg	attacgctgg	cgagtcgggc	120
ccgaccagcg	catccgttct	ttttagaaga	actactcccg	ctcaagtcag	ggctttacct	180
ccagatgggc	ttttc					195

<210> 12087

<211> 786

<212> DNA

<213> *A.fumigatus*

<400> 12087

gtcttatggg	acctaacgca	acccgcagtt	aaccgacttg	tacaactcgc	cgaattctat	60
cagctgggag	gttttgagta	ctggggccgc	atgcaccaat	cagacttata	tggcagcgac	120
agcgattcta	gtgaatccag	tgaataccca	tcaaactctga	cgcggtcgga	ggctgttcgt	180
cagtatccgg	aatccgcaca	ccaagctctc	gccgcaactt	tgggtctggg	ctactacaag	240
attcggaatg	aagtgggtga	agggccgaac	actcatatcc	cccgcccccc	gaagcgggag	300
cgccaacagg	aggatctggc	ttccgtctcc	tctgggtcca	agcagaagcc	ggtaaagatg	360
ccacgccgac	ccaacaacgt	ctccccacc	actctgcaca	ggctcatcac	tgggccctca	420
ctggagtcca	agtcgctgat	ctcggaagaa	tccgacaagc	ttggctggaa	tgtccactcc	480
gacgtgtctg	acgacgccat	gagcaagctt	cgaggatctg	tgtctgagga	agtcggtacc	540
cttcttctgt	cactagaaca	aggtcgtctc	aaactcaaac	ccagccgata	cgaacgatta	600
aatatgtcac	ctacggaatc	taagggaggt	tcattccaag	acaaggtccc	agaatcagcc	660
caggaagatg	aggttcgaac	agtggcgaac	accgtcgcga	ccgaacttgt	gtcaccatca	720
tccacaagga	atgaggaaca	tgatctccca	gacacagcat	ccgatgctac	aactccattg	780
acttga						786

<210> 12088

<211> 372

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (4), (5), (6)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12088

cgtnnnattg	aaactcactt	ccttccgccc	cgcgtaaga	ccgacttggg	acagcttcag	60
actgatgtct	gtggatgccg	tattgaaatc	agcaagctgc	atgctgctat	cagtcaacta	120
cgtactgata	tgattactct	tcaacatgag	acatcgcgtc	acctgaacgc	ggtgttcaat	180

cggttcactc	taattgaggc	tcgcatgaag	cactcgggaac	gagttcgatt	caactccctt	240
gctcacacca	cgcatgcccc	tatcacacct	gttccgggta	ttgaagagga	tggatccctt	300
cagtggcccc	aatacttccc	tcgtacagtc	tggagattct	ggtgcttgaa	gaagcgagtc	360
aggagtgagt	ga					372

<210> 12089

<211> 846

<212> DNA

<213> A.fumigatus

<400> 12089

tgtcctccat	caacgcacca	tgagatactg	gacgtcttga	tgctcgttgtt	gtcctctgtg	60
tccatccgaa	tgggcgcgcg	aatgacgtgc	gcttcccgc	tgatgcggcc	aaaccccatc	120
gtgtctcgtg	gccatcgacg	cttacctgcg	accttactac	agccctcttg	tcgttttcgtt	180
catccaggag	agttcaaac	atttgcctcc	ccttctccga	gttcattagg	caaacccatc	240
cccgcaaaga	cctacacccg	gactcgtata	tggctccgcc	gtctcgccta	cctctctata	300
gccaccggag	tggtctacgc	catcgacacc	caggtctacg	catcctcact	gacgcggacg	360
gctcggacgt	tctctctcgg	tctcctcgtc	gcattagact	acaaaatcaa	cttcgcgtccg	420
aacccgcggt	tcgctgaatc	catcacagcc	ctgcacgccc	gcaatgcgga	acgactgttt	480
gatctgctcc	ggcataatgg	cggcctgtat	ctgaaaatcg	ggcaggcaat	tgccatgcag	540
tctgccattc	tacctccgga	gtttcagaag	atgttcgccc	ggatgtttga	cgatgcacgg	600
cagaatgact	ggaaggacgt	ggagaagggtg	atccgggagg	actttgggaa	gtcggctgag	660
gaggttttcg	gagtggtctt	cacaggagat	ccgactaagg	gcgtgttgga	gcgcaaggct	720
cgggcgagcg	cgagtgtcgc	gcagggtccac	tgggcgcggt	tagccgatgg	gcgagagggt	780
gccattaagg	ttcaaaaaag	ggagattgct	cagcagatca	aatgggatct	gtgggctttc	840
aagtaa						846

<210> 12090

<211> 498

<212> DNA

<213> A.fumigatus

<400> 12090

atggacgcta	acgagaccag	agtgggtcact	tgggtctatt	cccgcgcggt	cgatatcccc	60
ttctacagtt	tggtaccgta	cataagcgag	cgactgttcc	tggagacgga	ctttgagaat	120
gaagcgacca	attcggaaac	catgggtaag	ctgggtggccg	gcgagtcgcg	tctgcgaggc	180
cgcgtctaca	ttcccaaaa	ctaccgcgag	ctcagctcga	agcgggtcat	gaccgctgag	240
tggatcgaag	gagtcgggct	atgggacaga	gagtcacatc	cgcgtccgtg	gctcggcggt	300
tggtgggaag	gcagccccgg	atgccagggc	acgcggttag	atgctcccaa	ggctgaagat	360
ccggtgacca	gggtcgcgag	gaacccccat	ctggccaaaa	tcaagccgga	gcgcaaccac	420
tggcgcggct	ggaacggcaa	aggtgggtcta	ggtctgtcgc	tcaaggacgt	gatgacgacg	480
atggttgacc	tcttctcc					498

<210> 12091

<211> 321

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (201)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12091

aactgccccg	aaatccgcag	caacgatcaa	tctccaatct	ttggctcgag	gctcaagcaa	60
gattcaacca	atatgaccac	ggctactggt	aagtcgataa	ctccgtcact	catcttcctt	120

tctgatattc	tccagtcctat	ccaacctgat	tcgctccacca	cagtggatga	acctacctac	180
aatgcgcctc	ctcctccttc	ncgtactttc	cctcctgctc	agcgcatccg	ccgcaaccgc	240
gaaactcgcc	ccgacatgct	tcaaagtcgt	cgccgcgctc	gtcagccgac	caggcgatct	300
gtacgagaaa	tttcagcgtg	a				321

<210> 12092

<211> 195

<212> DNA

<213> A.fumigatus

<400> 12092

acgaaacgac	aagagggctg	tagtaaggctc	gcaggtaagc	gtcgatggcc	acgagacacg	60
atgggggtttg	gccgcatcaa	gcgggaagcg	cacgtcatte	gcgacgccat	tcggatggac	120
acagaggaca	acaacgacat	caagacgtcc	agtatctcat	ggtgcgttga	tggaggacat	180
caacgggggt	tctga					195

<210> 12093

<211> 450

<212> DNA

<213> A.fumigatus

<400> 12093

agagtcttcg	atttattgtc	taccagccgg	ctctgcttca	cggttccaat	cccttggatg	60
aagttcaact	ttcaatccgg	ctttttgctc	tctgcaagac	aagcaattgt	tgatcctatt	120
gtcgtcgtag	ctgtccgtcg	gacccttccc	agcgacagcag	ccgtcagccc	aacaaccctc	180
actctctctt	ccagcgaccc	caccatcccc	cactaccgcc	actcttcttc	cctcaccctc	240
agatattcgc	gcccggtaga	cacgatgcca	aaggataaca	agaattcctt	caacctcaag	300
acgcccgaag	gcacaaagga	ctgggtccgg	tccgacgttc	tctccgcga	ccggatcttc	360
tcgaccattg	ccgatgtctt	caagcgtcac	ggcggcacgg	cgctcgacac	acccgttttc	420
gagctgcgtg	agatcctggc	cggaaaaatat				450

<210> 12094

<211> 189

<212> DNA

<213> A.fumigatus

<400> 12094

agctcgattt	acggaaacta	tggggtagtc	tcaaaccctc	ggaaacatgt	gcctaggttg	60
tgtaattcga	ctctgtgtga	tgttctgtc	tggatcttcc	tgttccatga	tagccaggat	120
ttgccccgtt	ctccgggtgg	agagggcttc	aaagctcact	atgccttcaa	gaaggtacac	180
catgagtga						189

<210> 12095

<211> 186

<212> DNA

<213> A.fumigatus

<400> 12095

ggcaagtcac	gtgttaatct	ttccctccaa	accctctctg	tacggagtag	actaactagt	60
ggtgttttacg	acaccacgct	ccgccatggt	tctatgaaag	agcttattca	gtacaagatt	120
gagggagaag	cttttagacac	tcagcaggcc	ggaaagagac	tgggtttcat	gaagccgagc	180
caatga						186

<210> 12096

<211> 1209

<212> DNA

<213> A.fumigatus

<400> 12096

tatcaagtgc	caaccaaagg	tacaactcat	cgggtgaagg	aattgcttta	cacaatagaa	60
gactccgacc	catctttggt	cattctacac	cctgcattcg	acaaggtcag	ggagccgcta	120
cgtgagtcag	ttgccaagga	tgtaccattc	atgaatttcc	agtctttcca	tgcgaaaaag	180
gatctctcat	cgaagtctct	gcctacgttc	agccctgtct	ccttcctgga	tcaaggggca	240
ctgatgatct	acacatctgg	tacaacctca	aaacccaaag	gttgcgtcac	cacgcacaag	300
aacatcacct	tccaagcgag	atgcctcatc	gaagcgtgga	agtacagccc	gtccgaccac	360
ctcatccatg	tcctaccgct	tcatcacgtc	catgggatca	tcaacggcct	aacatctagt	420
ttcctcagcg	gagctacggg	tgagatgcac	ccgaaattcg	acccgcaagt	catatggaac	480
cgggtggcagg	atcaggactc	ctccacgatg	ttcatggccg	ttccgacgat	ctactctcga	540
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ggcgccaagt	ccttgagggt	cgctcgtaagc	ggttcgcggg	cgctccctac	ccctatcaag	660
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ggcatggcgc	tcagttgtgg	gctggacgtc	gacaagcgca	tagacggcag	cgtcggctgg	780
cctctgcctg	gcgtacaggt	tcgggtcgtc	gacaaggaaa	cgggcgcaat	catcgaaaca	840
gcgaacgagg	acggcatgat	cgagatcaaa	ggggagaatg	tcttcctcga	atactggcga	900
cagcccagcg	cgacagccag	ggagttcact	gcagcggat	ggttcaagac	gggggacgtt	960
gcacggcgcg	atggttcggg	cgcatacttt	atccaaggcc	gggcgtcggg	cgacctgac	1020
aagtcgggtg	ggtacaagat	ctcggcccta	gaggtggaac	ggaagatgct	gggcttggat	1080
accattcgagg	aagtttgcgg	tgtgggcctg	gccgacgagg	aatggggcca	gcgagtcgct	1140
gctgttgtca	agcaacggcc	tgggggtgaga	caatatgcct	gtctcgagca	catctctcgc	1200
aaaacgtga						1209

<210> 12097

<211> 645

<212> DNA

<213> A.fumigatus

<400> 12097

gatgcacccg	aaattcgacc	cgcaagtcac	atggaaccgg	tggcaggatc	aggactcctc	60
cacgatgttc	atggccgttc	cgacgatcta	ctctcgattg	atcgattact	tcgaggccaa	120
catacgcggt	acagacaagg	aagccgcgcg	ccgaagtggc	gccaagtcct	tgaggctcgt	180
cgtaagcggg	tccgcggcgc	tccttaccct	tacaagacc	aagttcgccg	caatcacagg	240
ccagatcctt	ttggagcgct	acggcatgac	cgagatcggc	atggcgctca	gttgtgggct	300
ggacgtcgac	aagcgcatag	acggcagcgt	cggctggcct	ctgcctggcg	tacaggttcg	360
gctcgtcgac	aaggaaacgg	gcgcaatcat	cgaaacagcg	aacgaggacg	gcatgatcga	420
gatcaaaggg	gagaatgtct	tcctcgaata	ctggcgacag	cccgcgcga	cagccaggga	480
gttacttgca	gacggatggt	tcaagacggg	ggacgttgca	cggcgcgatg	gttcgggcgc	540
atactttatc	caaggccggg	cgtcggctga	cctgatcaag	tccggtgggt	acaagatctc	600
ggccctagag	gtggaacgga	agatgctggg	cttgatatac	attga		645

<210> 12098

<211> 981

<212> DNA

<213> A.fumigatus

<400> 12098

ttcattctgg	gcggggggca	cattgctgaa	actttggggc	ggtcgtaaaa	caccggaacc	60
tgcactctga	ccaagggttc	caacttgcca	gagctggagc	tcattgcacaa	atactccacc	120
gaaactttca	tgagtctctc	taacagacca	tcagactacc	atgtctggca	ggtgggtcatt	180
ccccgcaaag	ctcttgaaaca	tgactttctc	ctgaatggag	ttcttgccgg	tgtgtctttg	240
catgtagctt	caacgctgaa	gccgccagat	gcattgacgt	atattgacac	ggccctggaa	300
taccacaatc	gtgcttttgc	tccataccga	caagctatag	ataacctaac	ccctatgaac	360
tgcgatgctg	tattcgccca	ctctgtgctc	actacgggtc	ttggcatagc	attaccacgg	420

ctgaccgagg	agcgcaacga	aagttcaggc	atcactgaaa	acatcgttgt	ggtcttcgag	480
ttattgcaag	gagtaagcaa	aattttcaag	atcagccgcc	catggctcac	aatgcagcta	540
ttcacctcac	aaaatgactg	ggacaaagtg	acgaggtcga	aactagacag	cgaaacggag	600
cgtgcgttga	accgactagc	cgtattgaac	gatgatattg	tggctactgt	ggaccctgag	660
cagtacctta	tagtgaagga	cgctatctgt	cgcctccatg	aatgctttac	aggatatgct	720
accaacgggg	aggcggcatc	cgtactcagg	tggctcgcag	tagcgagtaa	ggaatttgca	780
cacgccctga	gatgtcgaaa	accattccca	ttaatgggtg	ttatgtactg	gggcgtacta	840
cttggcgaac	tcgatgggaa	atgggtgggtg	gcgaaaaact	cgggtacggc	tctggtttct	900
gaactcctgg	ccgttctgca	acccgagat	atccgttggg	aggaggctcg	gctatggccc	960
aagcataaaa	tgggtctatg	a				981

<210> 12099

<211> 1311

<212> DNA

<213> A.fumigatus

<400> 12099

tggcctcaca	atacgacgac	ccaggattcg	gcggatgaca	attgcttcag	acgtcatctg	60
tgcaagcttt	ccaaagagag	catgtcagac	acaatcgcag	acgagattct	gaggaatgga	120
tatgcgaaga	cattcacgag	acactctgtc	ttcctcacgg	gcagcactgg	ctcactggga	180
ggatgtcttc	tttaciaaatt	ggcactgcag	cttcctaccc	agaagatttt	cgttttgatc	240
cgcggtatcg	ctgagtcgac	cattgagaaa	tggcggaggc	tgatgccaaa	acagacgcaa	300
gcgatcctca	acaccggaaa	ggtgcatttt	gtcgttgggtg	acatcaagaa	gacggacttc	360
ggtatcgaag	aggcggagct	gagccgactg	cgcgaaagg	tactcttgt	tattcatacg	420
gcagccacga	tcacgcttga	cgcaggcatt	gtcgaatcga	tcgagaacaa	ttgtctccct	480
tctctcgagc	ttgcaaagat	agtttcacgc	tttagacgat	tgaagctatt	ccttcagatc	540
tcgacggcat	atgtaagcag	cttcttacct	gacggttatg	tcggggagcg	agtgtactcc	600
atctccgacg	cagatccgga	ggatgagctc	gcggccatac	tgtcaacagg	caactctctt	660
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ttgaagagat	accctcttct	gcctctgctg	cttggttcgtc	ccaccatttt	cggggctgca	780
atgcgggacc	cgtatcctct	atatgggccc	atcaattcca	caccgatgaa	taaattcgcc	840
agtctgttct	ttgcggaccg	cgggggaaca	catatctggc	acgccaccga	gggttacgag	900
acaggtgcaa	acatcgtaga	cgagatccct	gttgattttg	tcgcgaacgg	ctgtctcctg	960
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ttgccagctc	tcatattcac	ccaagaccga	aacgccccac	aatcgctcct	ggctgatttg	1140
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atggctggac	cattgagctt	ggctgcctgt	aagcatgacg	ttgacgcgct	caattcagcg	1260
aggattaagg	aaatatacga	gaacacagta	aagaagttgg	cgaagcttta	g	1311

<210> 12100

<211> 387

<212> DNA

<213> A.fumigatus

<400> 12100

ttactgattg	cccgcgaaag	gcccgtttca	aaactccccg	ggacatctta	tgattttact	60
tggttggctt	tcaacttcaa	gacagtcggc	tctctgagtc	ttgatcaaca	gagctccctt	120
cacatttatc	tctgtcgact	aaacctgtcg	atcaactcca	gtgcagtccc	ggaacaagcc	180
tcgtccgccc	ttgttaagaa	cacctactgc	aatggcatct	gccccgcctt	cctccgaagc	240
cgcaaattcc	tcgtcgcgga	gaaccttcac	tatagggaca	cgcaaatacg	agcttgctct	300
tttgcaaaaa	gacctgggtg	ttgcagcgct	gaagaagtca	tggccggaat	atacatttca	360
aatacactct	caggagacag	cgggtga				387

<210> 12101

<211> 357

<212> DNA

<213> A.fumigatus

<400> 12101

atgacctcgg	ctgatagtc	atcttttagat	gtaccaactc	aactccctcc	ctcgtgtaca	60
ttggggccca	tgatggagag	agaagataca	agggatgttc	tggatgatgaa	gaaaggattg	120
cccaatatgt	ccttttccga	aatgcctgca	gggtctgtcg	tgggtacttc	atccatccgc	180
cgactgctc	aactcgcccg	ccgataccct	catctgaagg	tccaggacgt	gcgcggcaat	240
atcggctactc	ggttagcgaa	attagatgca	gaggatagcc	catttacttg	cattgtcttg	300
gctgctgctg	gtctgttgag	gctaggtatg	gaggaccgca	tatccccagt	atcttga	357

<210> 12102

<211> 396

<212> DNA

<213> A.fumigatus

<400> 12102

acctgtcgat	caactccagt	gcagtcgccg	aacaagcctc	gtccgccctt	gttaagaaca	60
cctactgcaa	tggcatctgc	cccgcccttc	tccgaagccg	caaattcctc	gtcgcggaga	120
accttcacta	tagggacacg	caaatcgaa	cttgctcttt	tgcaaacaga	cctgggtgtt	180
gcagcgctga	agaagtcacg	gccggaatat	acatttcaaa	tacactctca	ggagacagcg	240
ggtgataaga	atacagttat	tgctctccgc	gaattcacta	ccaagaacct	ctggacgcag	300
gagttggaag	agcttttgat	ggctgggtgat	gtcgatctca	ttgtgcattc	attgaagggc	360
aagtttatca	ctcctgcctc	atatcgttat	aaatga			396

<210> 12103

<211> 192

<212> DNA

<213> A.fumigatus

<400> 12103

gtatggagga	ccgcataatc	ccagtatctt	gactctaaga	atggcgggat	gctctacgcg	60
ttggccaagg	gagcacttgg	cggtgagatc	cgcaaggatg	ataaggtttc	tgcgggatat	120
gctcaactct	atcgggcatc	agaaaacgac	tttggcctgc	ttcgcagagc	gaagcttcct	180
gcgaactctt	ga					192

<210> 12104

<211> 489

<212> DNA

<213> A.fumigatus

<400> 12104

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cacttgccgt	tgagatccgc	aaggatgata	aggtttctgc	gggatatgct	caactctatc	180
gggcatcaga	aaacgacttt	ggcctgcttc	gcagagcgaa	gcttcctgcg	aactcttgag	240
ggtggttgca	gtgcccttct	gggtgttgag	acggagtggg	tccaggactc	cgacaggctc	300
tccaagctga	gaatgagggc	catagtcgtc	agtgttgacg	gtcgtgagag	tgccgaggtt	360
gaagtagacg	ggtcagtcga	tacggcagaa	tccgctgaag	agttcggcgt	gactgttgcg	420
aaggcactgg	tagaaaaggg	cgcaggggag	atccttgccg	agatccaacg	caaaaaactc	480
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<210> 12105

<211> 195

<212> DNA

<213> A.fumigatus

<400> 12105

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agcccatctg	tgttaattga	ctggcttcag	gcaaacgctc	tatcctcttg	ctcttatacc	180
attagctctg	tttga					195

<210> 12106

<211> 348

<212> DNA

<213> A.fumigatus

<400> 12106

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gtggagaaca	tctactgtaa	cctgagcggt	ggttgcgcca	tgggctccct	tggggcagac	180
acggatatca	gcgacatcac	ctacaagaac	atctacacct	ggaactcaaa	ccagatgatg	240
atgatcaaga	gcaatggtgg	cagcggcact	gtttcgaatg	tcgtttttga	gaatttcac	300
ggtaagcagc	aagcacttcc	cttgtcattc	agcatacagg	caggctga		348

<210> 12107

<211> 645

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (5), (8), (90)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12107

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cccgcggggg	actatgccat	gtccacctgg	gtcaagctgg	caaatggtaa	agcatgggcg	240
ctgcaaatcg	acggagtcac	ctaccggacc	ggcacggatg	gtggcaacat	gatcatgatc	300
gagcatacca	gcgactttga	gctctacagc	agtacgtcgt	cgggtgccat	gcagggcctg	360
ggatatgagt	ttcacgcctc	caacaactgg	agtgggcctc	gtctacttcg	actgtgggat	420
gtctcggact	tctcggttca	tgacttgatt	ctcgtcgatt	ccccctcctt	tcactttctct	480
atcgacactt	gctccaatgg	ggaggtctat	aatatggcga	tccgtggtgg	aaaccatggt	540
ggactggacg	gtgtcgatgt	gtggagcacc	aacatctgga	tccatgatgt	gaggattggc	600
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<210> 12108

<211> 756

<212> DNA

<213> A.fumigatus

<400> 12108

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gcagtgctag	gagatgggtg	cacactgaac	aacattacga	tcaagaattg	gaagggaacc	180
gaggcgaacg	gcgcacaacg	cgggcccatc	aagatcatct	gtcctgataa	agtgcctctg	240
tacaacatcc	ttattgaaga	ctttgccatg	tggaccgaga	cgggcagcaa	gcagtgggtac	300
tcgtgccaaa	gtgcctatgg	ttcgggattc	tgcttaaagt	caggatctca	tcacacctct	360
tacgcagtga	ccacgaccac	cgtcagcagt	gctccgtcag	gctattcagc	ggcgaagatg	420

gcttcggatt	tgtcgactga	tttcggcagc	accaagtcaa	ttccgatccc	gaccattccc	480
acgtctttct	atccgggtgc	aactccttac	agcgctttga	tgtctaagca	gtctactaaa	540
gccgccaagg	cacgcgcagt	tgacatgagc	gtggagacgc	ctgcagccgc	atcccgttca	600
gagcaagtgg	tgcaggggcg	tccacaggaa	accggtcagt	cagctcctga	gagtgtcggg	660
cctgttcctt	cgggtaatcc	tgggtccagt	cccacaggcg	gcagtcgacc	atcgagacac	720
cgatcatggtc	accaccactt	cgggagcgca	atataa			756

<210> 12109

<211> 1653

<212> DNA

<213> A.fumigatus

<400> 12109

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cctggggact	caaagtataa	caagggtccat	tctcctcttc	aagccatctt	actttcttct	180
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gaaaaatcgca	aaagagctgg	ccagtcgacg	gaggatgggt	gggtcgatac	acatgtctcg	420
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acacgtatca	gcttggtagc	gtgggatggc	gaagtgggtg	tggatgagct	tgtgaagcca	600
cagttgcccc	tcattgacta	cctgacccgc	ttttccggaa	tcacaaaaga	gaaattggat	660
tctgtcacga	ccaccctcgc	cgacattcaa	caaaagttac	tcaatattct	cactccgcgc	720
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ttgacagtta	aatggacgga	tgcggaggaa	caggcgttga	agaaggcctg	cgaaagggcc	1620
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<210> 12110

<211> 1344

<212> DNA

<213> A.fumigatus

<400> 12110

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ggatccctcg	aacgttttct	ctgcccagct	ccgaaagagt	ccaccagtcg	ggcttttagta	180
tctaccgggtc	ctcacaaggt	cgacgggagt	accatgtcga	tggaaacagca	gatccagcat	240
caagggtgtca	gcattgatta	catttccaac	tccgttaaça	acctacatga	taccatgtcg	300
gaattgaaac	attccttcac	atctcttcgg	atagagttaa	atgggtcccg	gcgacttccc	360
cctgacaact	ctgggtactca	tgggaagcga	tttgatatga	tcaggacggg	gttgaaagaa	420
ctcaaatcca	aagccgaaga	aattgagaca	ttgaagttgg	agatccaggc	tctccagtta	480

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aagaaccgat acatggagga gcaggcaaca aggcaccctg ctgcaacttt cggcacggaa 540
acgactgtaa tgccagaagt tccgagccct gggtcccttc aggctggtag gaagcggccc 600
tggcccgaact cattcccaag tggtcgcacc gagcccattg cggactcgtt cgatgaggaa 660
gatggcacat tccggcactt ttctctcgcg gatatgcatg ctcaatcggg caaaataccc 720
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ggaattatcc caacactcaa acaaaagaagg caggcattca accacgggaa tctgagattg 1320
accccgcgaa ggagacctcc ctga 1344

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<210> 12111

<211> 186

<212> DNA

<213> A.fumigatus

<400> 12111

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ccgcctttcc cctcctccac ccatgtagat atcaccacga gaatagttag ctggaaagta 60
actatcatgt atgctcaacg cctcctttcc tatgcaccta caccttacag ctacacgcct 120
aaccggcgcc tgtcggcgac tatcaatctc gatgaggtag tcccgttcgg atcgctgtg 180
aactga 186

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<210> 12112

<211> 273

<212> DNA

<213> A.fumigatus

<400> 12112

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ctgcggtcgt accaggaagt gaaactagcc tccagctccg cggaacgcga cctacatgaa 60
tcgctggccg agatttacag tattatcgtc acacttgatg gactcgagaa ggcatatata 120
aaggatgtgg tcacagaggc ggaatacacc gagacatgta cccggctact aaagcagtag 180
aagtcagtt taggcgatga gaccgtcgca gcggagtttg ttgatctgga aaccttcaag 240
cggacatggg gggtagcac actctctgta tag 273

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<210> 12113

<211> 420

<212> DNA

<213> A.fumigatus

<400> 12113

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cagtggctga tcacattgaa ccagatgcgc gcaacagacg aactaaccga ggaacacgcg 360
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<210> 12114

<211> 693

<212> DNA

<213> A.fumigatus

<400> 12114

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ttgaccgctg	acaacctagg	catgaaaacc	tgggtctcat	cgtacctcct	ctcccgaagc	180
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ctgcgcgatg	catacctacc	tcaggtgcaa	gaattccggc	aacgtatgca	acagttgtct	660
tcacgcccgg	gagctggcag	gatccgcgct	taa			693

<210> 12115

<211> 225

<212> DNA

<213> A.fumigatus

<400> 12115

gaatcatgcc	acactctttt	gcagtcttta	tactttgacg	taacgacaat	gccgatctgg	60
gtggctttct	gggtggattg	gactactcga	ttcgagcaac	agatggcctc	tcattctgta	120
gcatcaactt	ccggtctatc	ctcttctagc	cttgtctcct	ggattctcta	cgtgtcactg	180
cgacagaaca	atgaggcaat	gatgacgcgc	tcgataaatc	tctga		225

<210> 12116

<211> 783

<212> DNA

<213> A.fumigatus

<400> 12116

acgcataattg	gctggaagga	tatccgatgt	aactttgaat	atcgacagtgc	tggctggatc	60
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ttcaccocggg	gcggcaatac	ccttgacaga	ttcctggaat	tattcacagt	ccctcgagtt	720
cgccggggcca	cacaggcttc	tggcattgtc	atgattgcgc	agcaaatgtg	tgggaagtacg	780
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<210> 12117

<211> 813

<212> DNA

<213> A.fumigatus

<400> 12117

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caagccggcg	ccacgaacat	ccaggccctg	cttgctctct	tcggctttgg	cttgggtgaac	180
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gacgtcgttc	gtgacatcta	ccgccacctc	tctccggacc	ctgttctgat	cgcgagagaag	780
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<210> 12118

<211> 252

<212> DNA

<213> A.fumigatus

<400> 12118

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acgtgtcgat	ggtccagacg	gcggggccagg	cgaagaggaa	gttcaccaag	ccaaagccga	180
aggacgcaag	cagggcctgg	atgttcgtgg	cgccggcctt	ctcaaagatg	gtggacgagt	240
agaacgcgat	ga					252

<210> 12119

<211> 651

<212> DNA

<213> A.fumigatus

<400> 12119

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gcgatctaca	atgcattagt	aggcgtgaa	gatatggaa	gccccgggg	aaagattgtc	600
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<210> 12120

<211> 516

<212> DNA

<213> A.fumigatus

<400> 12120

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tctataaac	ccttcagttc	cgccatggcc	cacactctgg	aatttgcttc	cgcttgagg	180
tctgtgaat	tcccaatcga	ctgtattgaa	atatggaaga	cctccacaat	ggaacctatt	240
cgcaccgaac	cagaggaagg	ctttgcaagc	aactggagg	tcataacgtg	cgagaatcac	300
tggactattg	tctttaagta	cggcggacga	caagccattg	cgacaaaata	cagaggatac	360
gacttgaaat	ggcgccacga	cgatttggcc	gaaccctctg	tggttctaaa	gttcgagcct	420

cggccttcat gcccatccat gagcgacgtc gcatggaaaa tatgcgcgct agaaaaccg 480
aatacaaagg catttgactg ttctcagttt gtgtga 516

<210> 12121
<211> 261
<212> DNA
<213> A.fumigatus

<400> 12121
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gacacggtat ccaatggaac agagcaacta gtatccgata tgcaaggtga taagagtaac 180
gtcattgctc tggactgttc agcagaggca gctcaacgag acgcacgcag atgctctatc 240
aactcatcta ctggcccatg a 261

<210> 12122
<211> 1290
<212> DNA
<213> A.fumigatus

<400> 12122
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gagcttttcg tcaaatacgg cctgatcaca atgcttcaag aggacaagg atatcctcag 780
ccagatgcgt ccattgtcgt cttccagcca tccaagtacg ctatttacgg tatcacggag 840
cggggtcagc ggggtttgcg ttggattgag cgcgacaagt cccgtgagac gttctatgac 900
aaccgcggtg tgccaaagga ttccaacaac gctcgtttga accacattct tcaagatcct 960
gctctgcgac tgctattcgg tgaattcctg cgtttctctc tttgcgaaga aaacctgtca 1020
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ttcaagaagg ccgacgctgt ccgtgaaacg ctggctgcgg catatggtaa gccactcttc 1140
ataggggatt ctgattgggt atacagtttt tgctcacttt cttccaggtc tttacaatgc 1200
tttccttgcc cccggttctc cgtgcgagct caatatcgat caccgacctg gaaacagctt 1260
agcgagccgt atgacaaagg ctgtaggtga 1290

<210> 12123
<211> 375
<212> DNA
<213> A.fumigatus

<400> 12123
accgcaatcg cggattttcc aggtcgtggt gaagacctcg agacctcgga ggtagaatcc 60
cagcagagct tgagcggaag gggcgccat actcttcaac gcaattcacc tatctcagag 120
caacagctgg aagccggatt tgctgcactc ccatccaaga tgcaccaaac gtcttcgaga 180
ttgttgcgca tgacggaaga tgatcgccca tttacaaagg tatggaaaga aaagaaaacc 240
ggagcctctt caataatcaa tctcagcatg atacatagaa tgctcaaaag tttggagaca 300
atatttggtg acgatttggg tttttttttc tgtaggattt tatggacctt ttctcgacct 360

ttatgggtcag tttga

375

<210> 12124

<211> 360

<212> DNA

<213> A.fumigatus

<400> 12124

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cttgcccccg	gttctccgtg	cgagctcaat	atcgatcacg	ccctgcgaaa	cagcttagcg	120
agccgtatga	caaaggctgt	aggtgatgac	gagtcacatg	tcaaaagcct	tcaggagggtt	180
gtgcagttgt	ttgagatggc	tcaaacatct	gttttcaagt	taatgtctag	tgtaagtcct	240
ttttcttccg	ataacagctt	ggttaatcac	agttcactga	tgaggatcag	gactctgttc	300
caaagtctct	acgtgatccg	aaatatgcgg	ttgtcctgca	ggagcatgac	gtcgacttga	360

<210> 12125

<211> 636

<212> DNA

<213> A.fumigatus

<400> 12125

acgttgatct	ctaccgcctg	gttaagacgc	ggcagctcca	agaaccaaga	cccgatcatc	60
cttctctccc	cctccgcctc	gtctctgato	cgcagtgtcca	acgtccgctc	cttctctgcag	120
gacggcgtct	tcgtgcccc	ggaccacccg	accctcgcca	tgcccagctc	ctccaacaac	180
ctgctctaca	tttaccgccc	cctccgcctc	gaggcgggct	cgacgtccgc	ctctcgccca	240
cttggcgctt	ctccgccccg	agcaacttcc	aagaaaccca	cccgttcat	cctcggtgac	300
agcaccgcca	acttccgctc	ggactactgg	aaccgtctcg	ttgccgtttt	cacaacgggc	360
cagacctggc	agttcaagtc	gtacaagtgg	acctccccgc	ccgaactttt	caagcacgcc	420
acaggcatct	acgtcggctg	gcgcgggtgaa	aacgtcccc	gtgaagtccg	cggctggggc	480
cgcggcgtgc	agagcttcgc	cgtcgagcga	tgggacgaga	aaggcgggtg	ccatggcgcc	540
ggcgcgtggc	gcgatcgtga	agtcgtcgag	aatatctgga	cagccatcga	agaaagcatg	600
aaagcaagag	ggtggggagc	cgggtcgacg	aaataa			636

<210> 12126

<211> 513

<212> DNA

<213> A.fumigatus

<400> 12126

tccgcatgtc	caacgtccgc	tccttctctg	aggacggcgt	cttcgtgccc	ccggaccacc	60
cgacctctgc	catgcccagc	tcctccaaca	acctgctcta	catttaccgc	cccctccgct	120
cagaggccgg	ctcgacgtcc	gcctctcgcc	cacttggcgc	ttctccgccc	ggagcaactt	180
ccaagaaacc	caccgccttc	atcctcgttg	acagcaccgc	caacttccgt	cgggactact	240
ggaaccgtct	cgttgccgtt	ttcacaacgg	gccagacctg	gcagttcaag	tcgtacaagt	300
ggacctcccc	gcccgaactt	ttcaagcacg	ccacaggcat	ctacgtcggc	tggcgcggtg	360
aaaacgtccc	ccgtgaagtc	cgcgggtggg	gccgcggcgt	gcagagcttc	gccgtcgagc	420
gatgggacga	gaaaggcggg	gtccatggcg	ccggccgctg	gcgcgatcgt	gaagtgcgtc	480
agaatatctg	gacagccatc	gaagaaagca	tga			513

<210> 12127

<211> 285

<212> DNA

<213> A.fumigatus

<400> 12127

ccgactatcg	actcccaatt	caccaggcac	cttctcgga	gcccgtccct	ggactgcac	60
------------	------------	------------	-----------	------------	-----------	----

gtggctaccc	ttttcaatcc	tacgagcctc	accagcaaca	accgccgcac	cattatcgtc	120
cgcagcaaca	gcaacagcac	caccaccacc	acctacaaca	agaggtttct	ccccatccct	180
ccgtctcgtc	ggccagccgc	aatcgagctt	cttcgtccca	cgtctcgccg	tacggggcgc	240
atcagcaaca	atatgccggc	gcccttcgc	cgcaatacac	aatga		285

<210> 12128

<211> 213

<212> DNA

<213> A.fumigatus

<400> 12128

aggcttaagc	tgaccctttc	tcattttaca	tggggttatt	ctaccttcac	tacattcttc	60
gacaaatctg	cctacggcgc	attcgctctc	atctgctcac	tgtgtgtatt	tgcatatttt	120
gcacctttgg	ggcgtcttta	taccaatctt	ctgcgccgta	tcgctaattc	taataatatg	180
acttgtacat	accagacatt	ggtttccaat	tga			213

<210> 12129

<211> 1188

<212> DNA

<213> A.fumigatus

<400> 12129

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aagcccgtcc	ctggactgca	tcgtggctac	ccttttcaat	cctacgagcc	tcaccagcaa	180
caaccgccgc	accattatcg	tccgcagcaa	cagcaacagc	accaccacca	ccacctacaa	240
caagaggttt	ctccccatcc	ctccgtctcg	tcggccagcc	gcaatcgagc	ttcttcgtec	300
cacgtctcgc	cgtacggggc	gcatcagcaa	caatatgccg	gcgccccctc	gccgcaatac	360
acaatgacca	gccacgttag	tcaccaatca	aggcgccctgt	ctagtgccac	cacctcgacc	420
agctcaaccg	gaaacaactt	tagctctgat	atccgcggga	gtacatcata	ccgctcgacc	480
aacactcaag	tcggctacgt	ggctctcatg	cgcaggcaga	aggcaactgt	ctggtgtgat	540
cgagctcagc	ctgaagatcc	ccgacttcgg	gccccaaaagc	tagcggataa	gaaaagggcc	600
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aagcatggaa	acaagggagt	gacagaattt	tcggcgtcag	ctctcgttgg	agcgaccgtt	720
ccggtccggc	tcagtgc aaa	cgagggtggc	cagggagacg	aggatggaca	tagtgataat	780
ggatttctct	atcgccgcac	gggcagcggc	cgcagtcttc	tcgggagcaa	ttaccgctac	840
cctagtagct	accagcggcc	ttcccagggc	acctcgggga	gtaataatac	cccgcccaac	900
gaaagggctg	atcttcagaa	agttacggaa	aatcctccag	cggagcgcca	cgagcaggaa	960
agagcctcat	ctgccaaagg	cgattctgcc	actagtcata	gcaagaccag	tgagcaagag	1020
gatagcttcg	gatctgtagg	tgacatggca	gcgcccagtg	ccgccaccac	cgctgctgag	1080
aaggcccgga	aggcggacga	attgcggcgc	agaggaagtg	tggatgaacg	gacgaccaca	1140
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<210> 12130

<211> 2223

<212> DNA

<213> A.fumigatus

<400> 12130

cctttccaca	tttcccccg	taaaacaaat	ggcctccaaa	gggaaatcat	ggatcaaatt	60
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accctttttt	tttttttggc	agacatcagg	cgattttatcc	atcaaaccgg	acagaattcc	180
ttggattcgg	catctggaca	aaatctccgg	tctttgttga	aagcactttc	gacgcaactt	240
ccttgtgtta	cacaaaaagt	tgtccgtaca	aagtctggct	ccagaactac	cgggggtgcc	300
atcaaatcag	ccgatgcctt	ttcgggtcatt	tcccccgctg	ctgcaggagt	ttttgatgac	360
gatatagcgc	ccatgctagt	aggccccggc	tgtaaagctag	ccgtagaaaag	tccatcactg	420

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gatgaagtga gaaacaagcc cctccctcgg gagccccga ttgcattagc tcccttgtea 480
gttcgtcaca acggcccccg tccgttccag gcttgccagc gcccctccag cgactggctt 540
tgtacgacaa ccccgccagc tccgtccaca cggctttcgc attctcagcg tactctatcc 600
caggcagctc aggaattgga aaatttcctt gcagggatca ccgagcagcg ccacaatgag 660
cccccaattgt tttcttcaca gatctccaac gggcctttgc aaataagtcg cggaaacatg 720
gacatgattg cgactcgacc agctccaagg cctcctacta atattgcttc tgtcaagtca 780
aaagataact cgagtcaaaa aattagtcctt gaaaaaccag aacgcgattt gcaaaaacca 840
atgaagaaaa ccaagtataa agggcccttc tctgtttccg tccctggatt cagtgcgaag 900
tacaccaata ctcatctccg atcgttcagc agctccagct tgaagtcaga agtggaatcc 960
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gagcgatcga tgcctagcat tgcagcgaac aatgtggagg agaagatctt tgtcgcgtcc 1260
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tactatcgcg ttttcaaaca gcatgaatta catcttatga agactactgt ctaccgcatg 1560
tccctccag cctgggaatt gcgtgaaatg agccctccgt gggatagcga atggcagatt 1620
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atcgatgacg ccttttggcg aatctggact ttctgcccga tctttggctg tggcaagaat 1860
cgggagaatg atatagtagg acagatggac tggctgaatg gcggcggtat ggccacgac 1920
cgtaacagca tcatgaccac gtcgctcact gagccattcg gtatgaacaa tgtcctattc 1980
gaaccgcccg aggggttcgg gcgcgggaac ggggaaggctc tttcccaaag tcagctctac 2040
gacatgacag aaatatggac ttgtcttgcc gtgttgctcc aaccattca cggcaggcgc 2100
actgaggccc gaaaggctgg cgtttttgcc gggctcgaca tcgcagaaaa tgacacggcg 2160
aaggaagaag ctatgatagg taagtgttcc tttctgtcat cttcttcgta tctgggatcg 2220
tag 2223

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<210> 12131
 <211> 195
 <212> DNA
 <213> A.fumigatus

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<400> 12131
actgacaagg gaatagagga atggacatac tatgtcctca cgcttggacc ttcggcagtc 60
cttagtattg gctcaatctg tgctttcgat gactctgaag cgacattcca gacagcgcaa 120
tccattggac tgacaaagtg ggagcctgcc gactcctcta tcagccgggtc cacttttctc 180
aaagaagccg tcttc 195

```

<210> 12132
 <211> 222
 <212> DNA
 <213> A.fumigatus

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<400> 12132
cagaaaggaa cacttaccta tcatagcttc ttccttcgcc gtgtcatttt ctgcgatgtc 60
gagcccgcca aaaacgccag cctttcgggc ctcagtcgcg ctgccgtgaa tgggttgagg 120
caacacggca agacaagtcc atatttctgt catgtcgtag agctgacttt gggaaagacc 180
ttccccgttc ccgcgcccga acccctccgg cggttcgaat ag 222

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<210> 12133
 <211> 261

<212> DNA

<213> A.fumigatus

<400> 12133

gacattgttc ataccgaatg gctcagttag cgacgtggtc atgatgctgt tacggtcgtg	60
ggccataacg ccgccattca gccagtcctat ctgtcctact atatcattct cccgattctt	120
gccacagcca aagatccggc agaaagtcca gattcgccaa aaggcgatcat cgatttctgc	180
cgctcgggta tcattcttgc ctgtcagacc atttatcggt tcctggcgaa ggaaggattt	240
gcagcggggc aggatgagtg a	261

<210> 12134

<211> 918

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (188)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12134

tggggccaac aagccggcac atccaatcgg aagaacctgc catgcggacc acccaagatg	60
cccgatttgc ccggtatccc ggtgacccc ggggtcctcc ccgaacagca aaaagaggcg	120
ctcgccgcgg ctttggaaacg tattgcccgc aagatgatcg acacagtgcg catcgatacc	180
actcactntg tatgtagaga aggcagaggc ccgctgtggg agaaagcggg ggagatgaac	240
attcccgtcg tggttccgga gtgggtggat gcctgtgaag ccgagggcac catcgtcgga	300
gtccgggggt actacctgaa tgcagacccc aaggccagac agctcggccc catccatgcc	360
tcgacacatc aacataccag atcctccgtg tcgatggcaa ccaatgcgcc atctcagtct	420
cagtctcagt ctcagtctca gtctcagtct cagtctcagt ctcagtctca gtctcaatcc	480
caacccaat cacagtctca gagtagactg agcctccagc ctcaacctac gcaccagagg	540
gaattgagcg tcgggggaccc ccccgtagct cccttccccg gtgcagatat gagtggccag	600
cctcgagcgg atgagagaga ggtctcatcg gatgaagagg acttgccgcc gcccctcct	660
ccgaaggatg atgctgcagg tgctgaaccc gctgtgaacg gcaaacctga gtcgacaagc	720
ccggaggagg ttgtctcttc tggagacaag gaggaacgga gtgaaaagta cgagaaacat	780
gacgaaaagg atgaagatga aaccgcacac gaagaggccg aagaaaagca ggaacaggaa	840
gaaccgacat caaacgacag tgatgccaaag ggtaagggga aggaaggatga gggggacttt	900
atcgagattt ctctgtga	918

<210> 12135

<211> 528

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (339)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12135

ggtgaggctg gaggctcagt ctactctgag actgtgattg gggttgggat tgagactgag	60
actgagactg agactgagac tgagactgag actgagactg agactgagac tgagatggcg	120
cattggttgc catcgacacg gaggatctgg tatgttgatg tgtcgaggca tggatggggc	180
cgagctgtct ggccttgggg tctgcattca ggtagtagcc ccggactccg acgatgggtgc	240
cctcggcttc acaggcatcc acccactccg gaaccacgac gggaatgttc atctccaccg	300
ctttctccca cagcgggcct ctgccttctc tacatacana gtgagtggta tcgatgcgca	360
ctgtgtcgat catcttgccg gcaatacgtt ccaaagccgc ggcgagcgcc tctttttgct	420

gttcggggag gacccccggg gtcaccggga taccgggcaa atcgggcata ttgggtggtc 480
cgcatggcag gttcttccga ttggatgtgc cggcttggtg gccccaga 528

<210> 12136

<211> 1170

<212> DNA

<213> A.fumigatus

<400> 12136

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tccgccacca	tgtctgtgct	cagtacactg	gcacccgtcc	caccagatga	gatcttcgcc	120
ttgaatcgcg	cgtatgccac	ggatcctttc	cgcgaaaagg	tcagcctggg	agttggcgtc	180
taccgcaccg	acgacggcaa	gccatggcct	cttccatgcg	tgcgcgaagc	cgagaagcaa	240
ctgcttgccg	aagacagtct	taccagacac	gagtacaccg	ccatcgaagg	cgacattccc	300
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cacaagagcc	gcattggttc	cgtccagacc	gtcgcaggca	ccggcgcaaa	ccacctcgga	420
gccctgttcc	tggcaacca	catgaagccc	ggaaaggctc	ggctctccaa	cccatacctg	480
gccaaccaca	tgaccatctg	ggaactcgca	ggcgtccccc	gcaagaccta	cccttactac	540
aacccccacg	ccgctcctt	tgacttcgac	ggatgatggg	cgacctgga	ggccgaggcg	600
caacaaggcg	atgtcatcct	cctccacgcc	tgcgcacata	acccacccgg	ccttgatccc	660
aacaaggagc	aatggaaggc	cattgcgcac	ctctgcgagc	gcaaaaagat	cttccccttc	720
ttcgactcgg	cctaccaggg	tttcgcatcg	gggtctctcg	aggaggacgc	ctgggcggtg	780
cgctacttcc	tcaacgagaa	gcccggcatg	gagatgtgcg	ttgcgcagag	cttctccaag	840
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gagagtctcc	gcgacaccgt	cgtcgttaat	ctgtgccatt	tgatccgggg	cgagtactcc	960
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ctctatgacg	agcttctgag	gctgcagacc	ccggggctct	ggagacacat	tgtggaacaa	1140
gtatttcccc	tccgctccct	cctcccttga				1170

<210> 12137

<211> 198

<212> DNA

<213> A.fumigatus

<400> 12137

ggctgcagac	cccggggtcc	tggagacaca	ttgtggaaca	agtatttccc	ctccgctccc	60
tcttcccttg	aacaagtctg	caaccagtac	cttacacaga	aggctaacac	ttatctagaa	120
tggaatgttc	tcctacaccg	gcctcaccac	tgcgcagggt	cattccctca	aagacaagta	180
tcacatctac	ctgcttaa					198

<210> 12138

<211> 465

<212> DNA

<213> A.fumigatus

<400> 12138

tgcacgggac	aagtatgcag	acacagacac	tgttcagcac	gaagcatcag	ggatgcagat	60
cgcgggtcac	acagagaaat	ctcgataaag	tccccctcac	cttccttccc	cttacccttg	120
gcatcactgt	cgtttgatgt	cggttcttcc	tgttcctgct	tttcttcggc	ctcttctgtg	180
gcggtttcat	cttcatcctt	ttcgtcatgt	ttctcgtcac	tttactccg	ttcctccttg	240
tctccagaag	agacaactcc	ctccgggctt	gtcgactcag	gtttgcccgt	cacagcgggt	300
tcagcacctg	cagcatcacc	cttcggaggga	gggggcggcg	gcaagtcctc	ttcatccgat	360
gagacctctc	tctcatccgc	tcgaggctgg	ccactcatat	ctgcaccggg	gaaggggagt	420
acgggggggt	ccccgacgct	caattccctc	tgggtgcgtag	gttga		465

<210> 12139
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 12139
 tacgcttttc agctcttaca tgttgcaatc caggatctag tcttcggtgc tgatatgcat 60
 gaagcttggg ttgagtatcc actccatcag cttacagtca tctcttctgt ctccattagg 120
 caactggggc agaacatccc atttctctta gcttacaatg ttacattgac tccaaagctc 180
 gcactccact tgtcagtttg cggcatgata taccctgtaa ggggcgtctt ctggcccca 240
 taa 243

<210> 12140
 <211> 447
 <212> DNA
 <213> A.fumigatus

<400> 12140
 acctggacat gcatcaacca acagctgaat cccaagacaa acaaatggga agacaagcgg 60
 cttctataca atcaagccaa agccgaaagc aactcccacc acgcacctct ttccgacggc 120
 aagaccggta gcagctaccc gcactggttc actaacggct acgacgggaa tggcaagctc 180
 atcaagggtc gcacgcccac caaatctcga aaagccgact gtgaccgtcc cccgaagcac 240
 agccagaacg gcatgggcaa ggatgaccac tacctgctgg agttcccaac ttttccagat 300
 ggccacgact ataagtttga ctcgaagaaa cccaaggaag acccgggccc agcgagggtc 360
 atctatactt atcccaacaa ggtgttttgc ggcattgtgg cccatcagcg ggggaatcag 420
 ggagacttga gactgtgttc tcattag 447

<210> 12141
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 12141
 gctctgccaa tgttcacgct cctccttata attcagagat accatgccta tcaatctgtc 60
 aataagatca cगतgccagc ggctcgcacg gatctatact tacaatcata catctccctg 120
 aatgtcggac ctagcaacgg taaatctccc cacaagtcaa aggtatggtc ccatgacgct 180
 aggtag 186

<210> 12142
 <211> 807
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (770), (775)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12142
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 ctgacagtca ccagggcagc cctgataatc cccaccccc ggcaaacgtt tctcatcatg 120
 tccaacacat tctcttttgg tgcgcggcc tccagcggcg cctcaagcgg agtctatatt 180
 ggaactgctg gcaacgcttt tggctccaat cagaacagct ccaacaccac caccggaggt 240
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ggtagcacac	ctcagtcacc	gtccttggtt	ggcggcggat	cgcagacacc	caaaccagga	480
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cagtcgcttt	tccgacaggc	agctcagaaa	ccaggcggtc	tcttcgggtg	actaaacgca	720
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<210> 12143

<211> 246

<212> DNA

<213> A.fumigatus

<400> 12143

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taccaatctt	attctgttca	agggcagggt	ggaacctcgc	catatcctat	ccgccatgga	180
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<210> 12144

<211> 258

<212> DNA

<213> A.fumigatus

<400> 12144

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caacaactac	atattgatga	caacgtcatc	caatgcaagg	catcccttcc	tcacctatat	180
atccattata	cctttcctcc	agacatcctt	cttgtctcta	ctgaccgggt	ctatatgaaa	240
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<210> 12145

<211> 762

<212> DNA

<213> A.fumigatus

<400> 12145

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gaatactggc	tgaagcgtcg	agatggacta	gtcagtgaga	gggaggcatt	tgaaggcgtg	720
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<210> 12146

<211> 306

<212> DNA

<213> A.fumigatus

<400> 12146

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tgggatatgg	ttctgataat	aatacatata	agtactgcac	atgaatcgag	ctttgaaacg		180
gttgctaacg	atgtcaggag	aggggaacttg	gtatcgtcac	tacagagtat	gtgtcacgct		240
caatattatc	ttacacagtg	gctctgtcta	ctccatacag	ccttggggat	cattgcggat		300
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<210> 12147

<211> 804

<212> DNA

<213> A.fumigatus

<400> 12147

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cccggtgaca	ctattctcga	cctgggttgt	ggctggggta	ctctcgccaa	attgcctca	240
gtccactatg	gcgcacacgt	caccggatc	acgctcgcc	gtaaccaaac	tgcttgggt	300
aacaagggtc	tccgcagcgc	cggtatcccc	gaatctcaga	gccgtattct	ttgcttggac	360
taccgtgatg	ctccccgcgt	cgaggcggt	tacaagaaga	tcacttgtct	tgagatggca	420
gagcacgtcg	gtgtacgcca	cttcggttcc	ttcctgtctc	aggtctatga	aatgctagac	480
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attggtgtcc	actactctgc	tactctttgg	cgctggtacc	gcaactggat	gggtaaccgc	720
gagaagggtcg	aagccaagta	cggcaagaga	tgggttaaag	taagtccctc	tgacaaattc	780
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<210> 12148

<211> 528

<212> DNA

<213> A.fumigatus

<400> 12148

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ggtgggtttct	acaccactat	cttctttgca	atctttacca	ccgtccccat	cctgatggtc	180
ttctgggtccg	tggcttcttc	catttctccc	cgcaagaatg	agaaggccaa	gtatgctgg	240
cgccccgtcg	agcactacct	tcacttccac	aacgagcatg	atcgtgccac	ctaccgcggc	300
aagagcaaga	ttccgatgga	ggtcttctac	gaaaagtact	tcaatggaga	ggttgatttc	360
aaaggcgacg	ctcttgaagc	tctggagtcc	agacacgact	gggccaactt	ccgcttcacc	420
atgggcctct	acaagcactt	cctcttcggc	ttcatctctg	aattgctgg	ccactcccgt	480
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<210> 12149

<211> 294

<212> DNA

<213> A.fumigatus

<400> 12149

ccacatcggc	cgtgaacct	cgttttcgag	atccgtgtgg	ctaagcttat	aatgatccac	60
ccttcgtctg	tgagatctct	agtaactctt	cgactgtccg	gcagttcacc	tgggttgatg	120
atacgtgacc	aggtgctctc	agagtactcg	attcatcatg	cctctgtaag	tttattgaat	180
ttgttcttat	gcgattctat	cgcgcatact	aatgccttga	gcagtcacct	actcggcaag	240

aagtcacgga acgtctacaa tcccagagaac atcgctcgtg tacggcgtga tgag 294

<210> 12150

<211> 561

<212> DNA

<213> A.fumigatus

<400> 12150

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ttggacttat	tccagcgcat	ggtaaaaatc	ggctctgtta	accttcacgt	ttacgacatc	120
ctcactgatg	ccggccatgg	taccgacctt	gacatgccgg	gtaaaagcaa	acgaagacgc	180
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agccagggtca	acgtctggat	ccaatatatt	gttttccttc	atcttctggg	tgtgaatctt	300
cagaatctga	gcccgtccc	cctcgccgg	aagagagatc	tccatgtgca	attcgagacg	360
acccggccgc	aacaaagctt	cgtcaatcat	gtccttcctg	ttggtcatac	caatcaggag	420
gatattgttc	agttgatcaa	caccatccag	tttcgacagc	agctggttga	ccacactgtc	480
cccaacgcct	gtgccaccac	ctgcgcgcgt	gccacgttgc	ttgcacacag	catccaactc	540
gtcaaaaata	atgatatgta	g				561

<210> 12151

<211> 351

<212> DNA

<213> A.fumigatus

<400> 12151

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cctcctggac	atatcagcat	gtcggatccc	caacggacat	gggcaggcgt	tgctttcaca	180
gattcagtc	aggctcagat	atacagatccg	ttcagccagg	gcgacaaagc	ctatctcgga	240
tcgacagata	ttgaagtcgg	ctttgctggg	aaaaagagga	tcgagactcc	gtacgaccag	300
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<210> 12152

<211> 1092

<212> DNA

<213> A.fumigatus

<400> 12152

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ccactgctcc	tgactgtcaa	gaccgttcag	cgcgtcgatc	tcacatcgga	gaaagctggg	120
gctactgctg	gaagcactga	gacggaccct	accgcgaggg	gaatctcgac	gaggcacacc	180
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cttgatgcgg	agttcagtac	aatcttcogt	cgtgcgtttg	catcgcgat	cttccctccc	360
gggttggtcg	aaaagctcgg	tatccagcac	gtgaagggtg	ttttgctttg	cggccctccg	420
ggaactggta	agacattgat	cgcacggcag	attggaaaga	tggtgaacgc	gagggagccc	480
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gctggcctcg	tcaagtccgc	gtcttcgttt	gcttttacc	ggcatgtcaa	ggtcggtacc	1020
atggccggca	tcagtgagga	tgctcgtaaac	atgaagggtta	acagagccga	tttttaccat	1080

gcgctggaat aa

1092

<210> 12153

<211> 186

<212> DNA

<213> A.fumigatus

<400> 12153

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tcagaggaac	agctctcgag	cggtatccaa	tacggcatca	tccattattc	ccccacaatc		120
aacgaaatcc	tgaagggagt	tcaacttttt	gtaaagcaag	tcagcaatgc	tgaatcctcg		180
ccctaa							186

<210> 12154

<211> 618

<212> DNA

<213> A.fumigatus

<400> 12154

catgg	cccc	cgcgcagtgg	caagactgct	ttggccgctc	gaattgcgat	tgattccggt	60
ttccctttca	tcaagctgat	tagccatgaa	gatatggtag	tcttttagtga	aatggccagg		120
gttcagtaca	tcagcaagat	tttcgatgat	gcatacaaga	gtcgcacgag	tgtcgtcgtc		180
gttgacaata	ttgagagaat	tatcgactgg	gtccctatcg	gtccccgttt	cagcaacact		240
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atccttgcca	ccacgacgga	gcgcgctgtg	ctcaaacagc	tgacatcta	taactcgttc		360
aactcggata	ttatggtacc	taacgtgatg	acctacgatg	agttgctca	tctcatggag		420
cagtcogaag	catttgacgc	ctcggaaatc	gaccaggctt	tagcaggagt	cggtggcatc		480
accgaagata	gaaccatcgg	cgttggcggt	aagaagggtgc	ttttgggaat	tgaaacagcg		540
aagcaggatc	ccgacaaggt	gggccgattt	gtccgcgtca	tcaacagagc	aattgaggaa		600
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<210> 12155

<211> 324

<212> DNA

<213> A.fumigatus

<400> 12155

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tgggcgaatt	tcaggtcact	gaatgggtcc	tccggctgga	acgctcaggg	aggccagaca	180
tatgcagctt	actacccaaa	gcaggatccc	agcggtagtt	caagcggcag	cggcgtcgca	240
gctgacttgg	gccttgccct	tgcagcccta	ggtactgagg	taaatgattt	tcatctacat	300
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<210> 12156

<211> 204

<212> DNA

<213> A.fumigatus

<400> 12156

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gctagcctat	atttccacag	ccatgttaca	cttaagcaaa	tggtttctgg	cgccctttgt	120
gtatgcgacg	accactgcat	caagtcctca	gagttcgccg	aatggtagag	cagctcgtca	180
atgtgtatatt	ccctccctga	ttga				204

<210> 12157

<211> 198
 <212> DNA
 <213> A.fumigatus

<400> 12157

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aatggccatg	gctcctacct	tattattaaa	ttcttgcaac	tttgcaaaga	taatagcatt	120
attcccttta	gattccttcc	ttatataata	tatctttacc	agccattaga	tggttaagcta	180
ttcttaagct	ataagtaa					198

<210> 12158
 <211> 588
 <212> DNA
 <213> A.fumigatus

<400> 12158

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ccttccaatg	actcaccacg	cgagatcacc	gaccaagaca	ctactattgc	ctctatcaaa	120
tcactcctgt	cgactatgac	aaaacaaatc	gaccgactgg	agaacaagat	tgaggagtgtg	180
aacttgaccg	caaaagtcgc	tatccagaag	aaaaatcgtg	tctcagcatt	ggcagcggta	240
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gaagaagtct	attcaaagat	cgaaaatgcc	gcagaccagg	ttgaatacgt	ccgagtgtatg	360
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atgaatgagg	ttgcaccgga	gatcgacgag	acagagctgg	atgatgagct	tgaagaactg	540
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<210> 12159
 <211> 423
 <212> DNA
 <213> A.fumigatus

<400> 12159

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tctaggaagg	taattagttt	aaaagggaaa	gggaaagtcc	ctaattctac	tgaatctaaa	360
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tag						423

<210> 12160
 <211> 474
 <212> DNA
 <213> A.fumigatus

<400> 12160

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gactatcttg	gtccagaaac	cgcttgcccc	tcgctttact	ccgacttcac	cttacagaag	180
aagacgaacc	ccgacggata	tgcggtgaac	gtcgctgcgt	gggagcgagc	cctgactagg	240
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gaaataacctg	agtatggctg	gccggtggcg	cttgggtgcga	tgctcgtatg	tctcagcttc	420
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<210> 12161
 <211> 276
 <212> DNA
 <213> A.fumigatus

<400> 12161
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<210> 12162
 <211> 510
 <212> DNA
 <213> A.fumigatus

<400> 12162
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 gggtttaagg tccggccgaa gatgttggtt tcggaatcac ctgtctttgt tgtgtcagtc 420
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<210> 12163
 <211> 945
 <212> DNA
 <213> A.fumigatus

<400> 12163
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 gatgcatggc gcacgtgctg ggttgggaac ggactggatg ttgtccttgc gcctggggcg 840
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<210> 12164
 <211> 501
 <212> DNA
 <213> A.fumigatus

<400> 12164

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cgcgcagatg	cccaaattcc	atcggaatgg	cgcctcagcg	acgacttccg	ggcgtcagtc	180
cccgtgatg	gccatcta	cgaggctgac	attgctcgcc	gaagcggcat	tctctctgat	240
aaagagctgg	acatcacgga	gaacttctcc	gctgtggaat	tattaaagaa	ccttgctgaa	300
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cagctggtaa	gtggtttcga	catccctaga	gaggtgcctt	ccattatagc	agtgcgatac	420
cggcgactga	ttacgtaga	cttcattggtt	aacggaacat	ttctttgcca	aagccatcga	480
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<210> 12165

<211> 315

<212> DNA

<213> A.fumigatus

<400> 12165

acttcattgt	taacggaaca	tttctttgcc	aaagccatcg	agcgtgcgca	gttcttgat	60
gaatactg	aaagagagaa	gaaggtaata	ggctctcttc	acggcctccc	caatagcatc	120
aaagacagtt	tctgtctcga	ggggatccag	agcactgtcg	gatatgtctc	gcttcttcag	180
aacgaacccg	tgtcgcataa	ttcagcccta	gtcgagatct	tatttgacct	cggggcagtt	240
cttaatatcc	cgcagacgat	gatggtagt	tgtcgtactc	atccataccc	tggcataacc	300
gggttcaatg	actga					315

<210> 12166

<211> 1548

<212> DNA

<213> A.fumigatus

<400> 12166

ctctttcatt	attgtggggt	cgggtgtttt	tggccgtatg	atgactcccc	gtttgccttg	60
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ctaagcctgg	acgatcgggt	tgccgacaag	aagatcatcc	tctgtggatcg	atggaacttc	180
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cgcgaaccgc	gagacagcgc	ggtatcactg	ccagcagggg	tggagccctc	gctggaggag	1500

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1548

<210> 12167

<211> 363

<212> DNA

<213> A.fumigatus

<400> 12167

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gcgatcttcc	ccgcgtcgac	gtcgagcatc	aaaatccagg	gtctcgtcgc	cacgtatgaa	180
gactgcgctg	cctggctgca	gcgcaatcca	ggaagtggac	acacatcgct	aatgtggctg	240
gggaacagct	tggccaactt	ccccccgcca	gaggcctcgg	aatatatccg	gagctttctc	300
agcaccgggtg	cctccctgat	tcgtcttcag	ccaccggggc	tgggaaggatc	cgcgctagcg	360
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<210> 12168

<211> 1428

<212> DNA

<213> A.fumigatus

<400> 12168

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attcccggta	tcctctctca	actcgactat	atcgctagct	taggggtaga	cgctcgtgtgg	180
ctctgtccca	tgtacgacag	tccgcaacac	gatatgggct	acgatgtctc	cgactacgag	240
aaggtgtatc	ctccttatgg	aacggttgag	gacatggaga	ccttgatcga	tgcttgtcac	300
cgccgtggac	tacgcatcat	cctcgacttg	gtgggtcaacc	atacgtcgca	cgagcacaag	360
tggttcaaag	aatctcggtc	ctcgaagaac	agccccaagc	gagactggta	tatctggaga	420
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cgcgagatga	cgaataatga	ccctgtccac	atgaagacgg	ccatgaaggc	tctgcaacac	1320
ctggcacgag	accacgctcg	actcccgatg	cagtggagcc	cagcagccaa	tgcggggttt	1380
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<210> 12169

<211> 528

<212> DNA

<213> A.fumigatus

<400> 12169

aagcccccca	atctctgcgg	tgagggtgcc	ttcccttget	ttctgtcgac	aggcctggcc	60
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aagtcgaccg	gaatcgaaca	tgtggaggag	gaagctgect	cacgcaggcc	ccatccccag	180

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cacagcatga	cactgtggca	ggcactgaag	atctacccca	aggccgtggg	gtggtcaatt	300
ctcctgtcgt	gtgccatcat	catggagggc	tatgatgtcg	tcctgatcgg	ctctttcttc	360
gcttaccccc	aattcaacca	gaagtacggc	catatcatgt	cggacggaaa	ctacgggtctc	420
gctgccaaagt	ggcaagcggc	cttgaccaac	tcgatgagct	gcgccagat	tatcggcctg	480
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<210> 12170

<211> 1032

<212> DNA

<213> A.fumigatus

<400> 12170

catacagcca	tagctccgac	aatggatgct	ttaggagcct	tcacatacat	gtgcgacaac	60
ctgccggctt	ggatcgatca	agtttcagaa	ctggctgcct	ataccgctgc	gaaacatgcc	120
gagtacaccg	aggettataa	gaaatacgcc	ccggtgaggt	ctcggcgacg	caagaacagc	180
tcctgtctgt	ccatacacac	cgatgacaac	ttccctttgt	cccagaaacg	tggtacctcg	240
gtcgaaccaa	cccagggaac	acccagcact	gcagcgggaag	cctcgataac	ccagattaga	300
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caaaagtctc	tgagggcgat	ggtacggaat	atcgggaccg	cacggaacaa	tatgcgacga	480
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agcatgcgaa	ccagaggtcc	tcctcccgcg	gaggcttcc	ctagccgcat	tcctccgaag	660
gaatcggttt	ttgatgtggt	ggatagacag	ctcgagctgg	cacacagcca	ttgcgagaca	720
gcggttacc	agttcctgcg	ctatggagat	tgctcggcgg	agttgaaaag	cgttgtggag	780
acttttcggt	cattactcga	attagcaacc	gaagaagcgc	gaaatctgaa	ggcagagcaa	840
cctgaggagt	ctttacaaga	agacatgaag	aaggaaagtg	tcacggtttc	acctacgaag	900
acggctgccc	aacctgaggg	cggtaaacca	caggcttcat	gcacccacga	aatcgaagtt	960
gacgacgctt	cggccgtttc	agtggaatct	atcgatatca	aggccttccg	cgccagtcgg	1020
ctcagagtct	ag					1032

<210> 12171

<211> 804

<212> DNA

<213> A.fumigatus

<400> 12171

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gtcaatggct	ccgtgccttt	atcagagcaa	gttcagaggt	caatagagaa	acatttgctc	180
aagttgtcga	aacttcattg	cgagatggca	aaggaaacgg	ctgctgcatt	cgccttgctg	240
ccggacagca	ttccccttgt	tcaatcttac	tggacccttg	ttgtcaaact	cggagaaaat	300
tacagccagc	tgggagagga	tggtgactcg	gacaacaaga	cacttatgga	aaagggtggc	360
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tctgatattt	tcacccatga	attcgttgtt	agtgtgatgg	agcttttggg	tactcagttt	540
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ttcctcgacc	tggtcatcca	cttcaaagac	ttactgattc	cccggctgtt	aaacgtcttc	720
ttctcatttg	caagtaagtt	caagttacca	aggacatcta	ccaacactat	tgaccatttc	780
ccctccagg	cccgaagaag	gtga				804

<210> 12172

<211> 738

<212> DNA

<213> A.fumigatus

<400> 12172

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gccatcgggc	tggtctccgc	aagcttagag	cagcagttgg	acttcaacag	ctttctggag	180
acggcccttg	tccaagaagt	tcaaattccag	gagcacgggt	acaatgtact	taggagaagg	240
attgccatcg	tccttggaca	atgggtacca	gtgaagccag	atgaactcaa	caggaatgct	300
atctaccaga	tcttccagca	tcttttaggg	aaacaggatc	ccttgaatga	cctggtgtgc	360
cgcacacgg	ctggtagaca	gcttaagaac	gtcttggatc	catttgaatt	ctctcctgcc	420
gtgttcacgc	cctatgctca	gtccattctt	caggatttga	tgtctctcat	ccaggaggtc	480
gagcttctcg	aaactaagat	gggactttta	gaaagcgtcc	gtgtcttggg	agtaaaaatg	540
gagcatcatg	tatgcacccc	cttgccgacc	cagctcaaca	agtctgctaa	ccctcgttta	600
gattgcgcca	ttctcggacc	agatattagc	tttactgcct	cctttgtggg	agcaatccgg	660
cgaggagcat	ctcatgaaac	aggccattct	aactttaatc	tcgtcactca	tacattcttt	720
gaagcaggac	tcgattaa					738

<210> 12173

<211> 204

<212> DNA

<213> A.fumigatus

<400> 12173

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cagaagggag	cttggttgag	ctggaagagc	atcttcaggc	caggggggtg	gaaggaaccg	120
gacattgcta	tcgccggaaa	cgcccttgaa	accgacctcc	tatttcttct	atcagaaatc	180
gacgacgaca	agaagcatcc	ataa				204

<210> 12174

<211> 306

<212> DNA

<213> A.fumigatus

<400> 12174

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cttgctgcgc	tcgtccccta	tattgcctac	ccttacttat	cccgctccgc	gcccgtcagt	120
atggcaggct	tcgacttctc	caattacaat	cgcaacgcgg	ctctgcacgc	caaagggtgtg	180
cctctcccga	aagcgacaag	tacgggtaca	acaattgtgg	gttgtatctt	cgataatggg	240
gttgtggtag	gtgatgatgg	agcccaccga	ataatcgctt	gtgatgatgg	actgtccgca	300
agctga						306

<210> 12175

<211> 225

<212> DNA

<213> A.fumigatus

<400> 12175

gagggtaaga	tagagtcagc	ttgcggacag	tccatcatca	caagcgatta	ttcgggtgggc	60
tccatcatca	cctaccacaa	caccattatc	gaagatacaa	cccacaattg	ttgtaccggt	120
acttgtcgct	ttcgggagag	gcacaccttt	ggcgtgcaga	gcgcggttgc	gatttgaatt	180
ggagaagtcg	aagcctgccca	tactgacggg	cgcgagcgcg	gataa		225

<210> 12176

<211> 723

<212> DNA

<213> A.fumigatus

<400> 12176

```

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atagtggccg gtggcgcccg gaattggctt gttatggcgt catcggacgc agtgcgaaag 180
gccatcggcg caacgacccg ggaaagcaaa gtcaagacta aacccttcga accgcaagcg 240
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ggtcttgacg atgggacagc agttcagcta actcctgacg gtacccaaaa ggacgtaata 660
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taa 723

```

<210> 12177

<211> 666

<212> DNA

<213> *A.fumigatus*

<400> 12177

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agacggaaag gcgcaccttt cctggtccag aagatgccgg aactgtgcac gccatttggt 180
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gaggtcaatg atgacacaaa gagagcctcg ctccctttga atgaggcctc tagtgatact 420
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ggcatactgt gctcttgggt gatcatatat tcggactcta ttcgccagaa actgccctac 600
catggtatgg tctcggttaag cccgcaacca ccgacagtct tcacccgggg ctggaaggaa 660
cgcagt 666

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<210> 12178

<211> 411

<212> DNA

<213> *A.fumigatus*

<400> 12178

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ctgctcgggt ctaccgcaaa cccctccccg tatacccctt tcaaccgcgg taccagcacg 180
tccgtgaaac tcgttgcgtc aggttctctt ttcgcccccg gcgtcccatc ccgatgatc 240
agcgctccg gaacgaactc cgctagctcc attctctcca acgccgtctt aatcggtgga 300
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```

<210> 12179

<211> 666

<212> DNA

<213> *A.fumigatus*

<400> 12179

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atacagtcta	gcatctgggc	atcggcattc	cagcagactc	accaggaaga	agttcagttg	240
tacgaggagg	gcgccccca	ggcgccgag	gggcttgacc	cagacctggc	cgatttatgt	300
gggattgatg	attcgaccac	cgcgcgcatc	atgaatccgt	actatgagcc	tctcagatta	360
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gaggggcgga	tccgcggcga	atgcactgct	atctgcatgt	atctagagca	tagcaccgac	600
ccccgggttc	ggcggctgct	tctgttcccc	gcgagcgcgt	gcggatatca	cttgacatac	660
gcttaa						666

<210> 12180

<211> 726

<212> DNA

<213> A.fumigatus

<400> 12180

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ctcctcccca	cccacgagat	cccttatgcc	aaagcccgac	ggctgatggc	caccggcgcg	180
gggctgtcag	agaccttcgg	cgctctccac	cccgatccat	caaccttcaa	cgaggaaaaa	240
tgggtcgcga	cctaccgatc	cctctacggg	gcgacgagg	agaaattcac	gaacccgttc	300
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agtaataagg	cggttccacc	gattaagacg	gcgttggaga	gaatggagct	agcggagttc	420
gttccggagg	cgctgatcat	cggggatggg	acgccggggg	cgaaaaggaa	gcctgacgca	480
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aatatcgggg	cgaggggatg	ttggtgtcga	tttgggcagg	gcgataagga	ggagtgcgaa	660
tcgttccggc	cggattatgc	ggtggattcg	ttggcgagg	ttctggagat	tgcggtcaag	720
gagtag						726

<210> 12181

<211> 237

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (99)

<223> Identity of nucleotide sequences at the above locations are unknown.

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atgggcatgg	acgacgacga	atgggaggat	gtcaccgcgc	gcggcgaaac	ggcagacgtg	180
ctcgataaga	tcagccggga	ggagcgcgcg	cgcacccgtg	caatgggtgcg	gcggtga	237

<210> 12182

<211> 693

<212> DNA

<213> A.fumigatus

<400> 12182

agaagagtgg	ttagcaaggc	aaactggacc	tataaaactct	gtcaacttac	ccttgggtggc	60
atagttgcaa	acaacgccag	tcacgatacc	aaggataaca	ctggcccaag	gggtcaaaaa	120

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cccagagggcg ggagtcgcag caaccaggcc ggaaatagtg ccggaacacc agccgaccat 180
cgaccacttt ctagccagac gccaatcgag aagaaccacg gtaatagctc caaaggcagc 240
agtcaagttt gtgttccagc aagccacggt agcccgaatg ttggccccga aggacgaacc 300
accgttgaat ccaagccaac caaaccagag gaagaccgtt ccgaggagaa tgagcgagac 360
gttgtgagga cggaagttca acatcatacg ttcctgacga cgaccgagga ccatcgaata 420
ggcgagggtt gccataccgg atccgatttc gacaggacca ccaccggcgt aatccaaaac 480
accatatttg aatgccccac cattcacatt ccatacccag caaaccatag gacaatagac 540
aatagtagcc cagatgaagg tgaaaacccat agccggaagc agacgtccac gttctgcaac 600
agcgcctt ataatagccg cagtgcgcgc acagaattgc atctatgcca tccaggctgg 660
gttagcctac aatgtccgct aaatcctaac taa 693

```

<210> 12183

<211> 195

<212> DNA

<213> A.fumigatus

<400> 12183

```

atccccgcat ccgctcgtgt catcgtcctc gcagcctttt ccgctctctg cctctcccc 60
ggcatcgga accctaacta tatcccatct ctgtgcccac cttacaacgc ggcggtgaca 120
catcccgagg agagagtctg gttttcgcgt gtactgagat tctctgcatt cttcatcaac 180
tcaacaggca cgtaa 195

```

<210> 12184

<211> 666

<212> DNA

<213> A.fumigatus

<400> 12184

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ccactcttct ttatagttaa atactggatt cgcctcgatg actctatgga tgtgtttgcc 60
gaacacggtg tcgcgggaat cattggcctt attttcaacg cccttttcgc agacgatgcg 120
atcgtcgttc tggacggtgt gaatacggga acaggagtcg gtggatgggt catccataac 180
tataagcagc tctacgttca aattgctttc atcgtggctt cctgcgctta ttccttcgtc 240
gtctccgcca tcattgccta tgccatcaac gctattccgg gtttgaaact gcgtgectca 300
gaagaggccg agttgctcgg catggatgac gaccagctcg gcgagttcgc atacgactat 360
gtcgaagttc gccgcgatta cctggcctgg acgcctcaga agcacgacca gctcgaagac 420
ggccatgaga tccccacgc tgcccgttat ggcattggag agcacagcga gatgctcgaa 480
ggccagacc ctgtgggaat cgacagccga ggatgcagtg aaggcgactc tggcatccag 540
gagatcaaga ttgcaccgac tccccggccg tgcgctgagc acaatcctcc ggcgcaagtt 600
caagagagc aggtgccacc tgcagctcct caaatcgacg agaagcgcca cggctcatca 660
caataa 666

```

<210> 12185

<211> 408

<212> DNA

<213> A.fumigatus

<400> 12185

```

ttccagtatg ttttactact agtttctgct cgctttgtat gggaccatga ttctaacggc 60
atcatttcag gaacggaaaa tgtgaacaaa tggtttcaat cgggtgacca ggcgtacatc 120
atcgtggcct ccgccatggt catggtcatg attcctggtc ttggattcct gtactctggt 180
ctcgtcgtc gtaagtggc tctgagtatg atctgggcct gtatggcatc attctcggtc 240
gtcaccttcc agtggtaact ttggggctat tccctgcct tctcccctac tgccaccaat 300
ggctacattg gcaaccttcg caactttggt ctcatgaaaa ctctggccga cccgagtcct 360
ggatcacctc tcattcctaa tctcctctat gctttctacc aggtatga 408

```

<210> 12186

<211> 648
 <212> DNA
 <213> A.fumigatus

<400> 12186
 atgcaattct gtggcggtcac tgcgggtatt ataatgggcg ctgttgcaga acgtggacgt 60
 ctgcttccgg ctatggtttt caccttcacg tgggctacta ttgtctattg tcctatgggt 120
 tgctgggtat ggaatgtgaa tggttgggca ttcaaatacg gtgttttgga ttacgccggg 180
 ggtggtcctg tcgaaatcgg atccgggtatg gcagccctcg cctattcgat ggtcctcggg 240
 cgtcgtcagg aacgtatgat gttgaacttc cgtcctcaca acgtctcgct cattctcctc 300
 ggaacgggtc tcctctgggt tggttgggct ggattcaacg gtggttcgtc cttcggggcc 360
 aacattcggg ctaccgtggc ttgctggaac acaaacttga ctgctgcctt tggagctatt 420
 acctgggttc ttctcgattg gcgtctggct agaaagtggg cgatggtcgg ctggtgttcc 480
 ggcactatct ccggcctggg tgctgcgact cccgcctctg ggtttttgac cccttggggc 540
 agtggtatcc ttggtatcgt gactggcggt gtttgcaact atgccaccaa gggtaagttg 600
 acagagttta taggtccagt ttgccttgct aaccactctt ctttatag 648

<210> 12187
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 12187
 atcttagacg cgagactagg gggtagtagt gtctgtctga ttgggcaaag gtgttgctgc 60
 gctacaataa atgttctatc tcccggttat gctatttaca gtctcgcgcg aagtctatac 120
 actatgtcca agaggcaagg tgagatcacc gccgcaccat tgcacggatg cgcgcgcgct 180
 cctcccggct ga 192

<210> 12188
 <211> 501
 <212> DNA
 <213> A.fumigatus

<400> 12188
 ctgacagttt caacaacagg caaataccga aataagttta ccgatgcggg ggagttcaga 60
 gtccgcagca ccgccaacac caatgtgggtc ttcttcaatg ggcagctgct ggctctaaag 120
 gaggattctc ccccttatgc gatggacccc atcacgttgg agactaaagg gctctatgac 180
 tttgagggcc agctgccgcg tctcaccttc accgcgcacg caaagtttga tccgggtcacg 240
 ggtgagatgg tctgtttcgg atatgaagcg cggggagatg ggacaccgga cgtgtgctac 300
 tacagagtct caccaccggg ccaattcaag gaggtgggtc ggctggttgc gccagtggta 360
 gcgatgatcc atgactttgc tgtgacggat aactgggtaa gtgaacctgt ttggcaagaa 420
 agcagtgggg atgtcaggct gatgccagaa cccaggttgt ttttccaatc atacccaag 480
 tgtgtgacat tgaacgcatg a 501

<210> 12189
 <211> 675
 <212> DNA
 <213> A.fumigatus

<400> 12189
 tggttccaat acaagaattc ctttccaggc catactgccg acgectacga ggacaaggaa 60
 ggacatctgg tgattgacct ggggtctaagt gagaaaaacg tgttcttctg gtggcccgat 120
 gcccaaggaa atgcacctga gcccaactcg attctttccc agctgggttcg gttcacgctc 180
 aatccccacg ccgaggatct cgcccttccc gaacccaaaa tcttgcacca gggcaactcg 240
 gagttctatc ggatcgatga ccggttcgcc acccattcct atcgccactg ctacttcgat 300
 ctgatggacc cgcagctggg taccgatttt gagcggattc gaccgaatct cggcgggtgg 360

taccccttgt	acaactcctt	ggcccatttc	gacaacgcca	cagggcaaac	ggaggtctac	420
ttccccggaa	acactcacct	ggtccaagag	ccagtcttta	tcccgcggaa	ggattcaacc	480
acggagggag	acgggtgggt	gctggcactg	gtcaacaact	atgcgaccat	ggccagcgag	540
ctccatctgc	tggacacacg	agacttcact	cacgcgcagg	ccaagatcct	gcttccgatc	600
cgtttgcgcc	acggcctaca	tggaagctgg	gtggacggga	gagacatcgg	gtcacagaca	660
gagcaattgc	aatag					675

<210> 12190

<211> 1245

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (40), (43)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12190

cttccctcga	catgcgcggc	tcgtcctggc	cacgtgtgtg	aanaactgcc	tcccaggcgt	60
tctccctct	tgaacgtgag	acacggaaaa	gaatatgggt	tggctgtgtg	gttctggatc	120
ggtacggggc	tccctcagtg	cttgcggttg	gtgtggatct	tgactcaaca	gctccctaca	180
accttaagca	tgaccttttg	acgaccgcct	gogatccctg	acagttatgt	tcagctggac	240
ctccccgtcg	tcgatagtgt	cggtgagggc	gaaccgtttg	tcgacgacaa	gaccatccgt	300
catagcatcc	aattttttta	tagcaccatg	tcagttgcgg	cgccccctcc	ggccccgcaa	360
caaaactctt	cccagtttga	ctgcaaggat	tggactgatg	ctgaccagaa	ccctctacaa	420
acaaatgggc	agcatcatcg	accaagtcta	cggccaattc	tgggctgtgg	ctctggcccc	480
tctgttgggt	agactgtggg	ccgggtgctg	ttgattgaaa	atcagttgtt	ctcatgggtc	540
atggcgcttc	cggagaacct	tcgcctgtta	acactgcagg	ggctgcatga	ggaaatcagc	600
aagtcggaga	accagccagg	accttttttc	tccctgaagt	ttcgggtcat	cctcacccctg	660
cgtacacctc	acaccagat	cctggtgcat	cggcccattc	tgggtcaagt	tctcgacgcg	720
agcctcccg	ctggcctgga	gcatggccaa	gagcggatta	tgaatgagat	cggccatagt	780
agcatgaaca	agtgcgtcga	atcggccatg	ggaattatcg	acataatcca	cgaatggttc	840
tttgcaacag	ggcggcagcg	cgatctcgta	ggggcggtgt	ggtactctct	gtattatagt	900
aagttacccc	tttctctctt	agcttccatt	ccagtttgtc	ggtggctcat	actttcgtgt	960
tttgggggga	cagccttcaa	cgcggcactg	gttattattg	ggggcacctg	ggttcagcgc	1020
gcaaggcagt	cggcccatga	ttccccgggtg	caccagtcca	ccaatatcca	accctatcct	1080
agtcgcgctg	tcgcaactct	gtatcgactg	gatacgggta	atcgcatggg	ggaccgctgc	1140
agatattatc	ttgagcagtt	gatctccgtc	ctccattttac	agcgtaaggg	atccaatgca	1200
ctccccggtg	actcgatgac	gctaatacgga	ttgcacagca	gatga		1245

<210> 12191

<211> 228

<212> DNA

<213> A.fumigatus

<400> 12191

tcacaattct	tgctgtttca	aaaacagaag	gccacagtct	tcacatttgg	caagataaaa	60
cctatcaata	tgaatagttc	tattcccttc	aacttaaagg	caataaggac	ggctgactct	120
attgcaattg	ctctgtctgt	gaccgatgt	ctctcccgtc	caccagctt	ccatgtaggc	180
cgtggcgcaa	acggatcgga	agcaggatct	tggcctgcgc	gtgagtga		228

<210> 12192

<211> 1284

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1113)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12192

cgactacagg	ctgcgcgaaa	acgcagcata	ggttcatcag	ggtcagaccc	aacaatacag	60
tcacagatgg	cacatgggtc	cgaggactgt	gcttccgtgt	tggagcagtt	cgttcatgat	120
gtggcgaatc	ttccagcaga	aatcaaccac	ctgatggaag	agatccaggc	caaggacaag	180
atcatccagg	attgtcgcgc	aaccatcaac	tctcgtgaca	gcagcttaca	gaagttcatc	240
aaactcaatg	gcagtcgtac	gccaaacccc	aaagaagagc	agtactcgaa	ggtgattcta	300
cagaatctgg	acagggcgca	acagttacag	gacgagaaga	tacagctgag	cgagaaagca	360
tgcatacctg	tgcataccca	aatcaagaaa	ctggacatca	agatacgcga	cctacaaaac	420
gatggcgtgc	tttcaaataga	tccgcccctg	ccctcccttt	tcaacaacaa	agaccagtac	480
cgcgatccgc	ccaagatttt	cttccccgat	gcaaccgcgc	cgatactac	ttcttcccct	540
cttcaaccca	cgtcaggcaa	caccaactcg	ttactgggca	tctcacaacg	gctcaaccag	600
tcgcttgccg	ggtctacaag	ttcagcggca	ttggcgacgc	aaggcgccgc	gcgcagctca	660
gctccagcaa	ccccgtctgg	cacaacccac	ttccaacacc	ggcaacgcga	atcatcggca	720
ggagcggtag	agaacaagcg	gcgacggctc	aacgcatact	taggcactct	acccgctgcg	780
tcgtctaata	tccgccagtc	atcccttggc	cctggcacac	ccaaggggtg	cacaccggct	840
tccagtcgcg	caggcagcgc	cgggcgcgcg	gcaacaggcg	caactaagaa	ggcggctacc	900
aagaaggtcg	cgcctcatca	acaactcaag	aagatcaaag	cccatggtaa	agcgacaaaa	960
cgctcgtcca	gtgcgagcgg	tcgtgtcaag	ctcaccgggtg	cgaccaagaa	gtccccatct	1020
gcggcgggcg	gcgatgaaga	tgaggacgat	tcgctcctca	gcagtgccga	ggcttcggat	1080
tccaatgccg	gcgatactag	acgcatggat	gangacattg	acgaggaaaa	tgaggaagag	1140
gagggtaaac	gagataccaa	ggtctactgt	acctgccggg	atgtcagtcg	tgagacatg	1200
ggggcggtg	ataacgaaca	ctgtccctac	aagtgtttcc	ttggaagggg	gtggtctgac	1260
aggggagccg	gggggaactg	gtaa				1284

<210> 12193

<211> 537

<212> DNA

<213> A.fumigatus

<400> 12193

cgcggggtgc	ttataaatgg	ctcctggaac	aaatggacag	tatgtgaatt	tgttctactc	60
aacctgcggg	atcttggtat	tgactcgtcg	ctctggatag	ggctcgctaa	cgtccgcgtg	120
accgacagg	agattgcttt	cttgaagaag	caatgcccac	acttcaacca	tgccctacctc	180
cgataccttt	ctacgttcca	actcaagcct	tcggagcaga	ttgatataca	gttcagacct	240
gtacaagaca	gcggcagcga	tgacgacttg	ggcgatattg	aatatatggt	caaggggctt	300
tgggttgaga	ctatccttta	cgagatccca	ctccttgccc	tcacaagtca	ggcgtacttc	360
atgttcaccg	acaaggattg	ggatcatagc	aaccaagaag	aaaaggcctt	ccgcaagggc	420
tgcactttgc	tcgaaaacgg	atgcatcttc	tccgaatttg	gtccccgacg	tcgacgcgat	480
taccatactc	aggacttggg	catgcacggc	ctatgccggg	ctgctgaaaa	aggatag	537

<210> 12194

<211> 1065

<212> DNA

<213> A.fumigatus

<400> 12194

cagcacctca	gctatggtat	tactgcagaa	gatatacaag	ccgacttgac	tgctggtaaa	60
gggctgccag	aatggatatt	ctctgcttat	ggaccgcggc	gaaacgctcc	aaggcaactg	120
ttcggtggcc	ctcagcgaga	gcagagcttt	gaagaactac	gattgcggca	ttacgaagct	180
gcggcagcag	gaaacatcga	ggtcgtgtgc	caagaagctc	aagctttgta	tcgagagtcg	240
ataaagcaga	tggaggctgc	tttgaatgat	gttaatggcg	ctgtcaagtt	catcctcgac	300

ggaatcaatg	agcatccgaa	tcggatcgac	atcacggagg	ggaaggcagg	ccctgcttct	360
ggtaaggcc	cgtccccgtt	tggtaaccg	gctgccgtgg	cacagacgtc	tgcctttggc	420
cagccttcgg	cattaggcgg	cgcggtgccc	ccagcctttg	gcaagccggc	tggatttggg	480
caaccatcgg	ccttcgggtca	accctctact	ctgggacaga	cacctggctt	tggacaacct	540
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ggaaaaccgg	cattcggggca	accagctttt	ggacagactg	cttttggcca	gccgtcagcg	660
ccaggaacag	ggacaggacc	attcgggtcag	ccaagtacca	catctccgtt	tggtcagata	720
tcgagtcaaa	atcaggggca	aggcggcggg	tttgctcagg	ctgctggagc	aacgactact	780
tccccgtttg	cacaagctgc	tgggtggccaa	cagcctgcgg	cacctgctgg	atttgggtcaa	840
acttcgacaa	caacacaaac	gtcagcaacg	ccctttggac	gacctgtcca	ggcgccatcg	900
cccttcggga	cagcctcagg	caccgacagc	tccttttggc	caaccgggtg	cagccccgag	960
cccattcgga	gctgcggctc	aacaggcaac	tccgtcacct	ttcaatcaac	ctactggagg	1020
ttttgggtcaa	gcagctcaag	cggctccaac	aacctcagca	tctaa		1065

<210> 12195

<211> 228

<212> DNA

<213> A.fumigatus

<400> 12195

aaggtccaca	agatccgtat	caccctcacc	tctcgcaagg	tcgcctctct	cgagaagggtg	60
tgctctgagc	tgatcgaccg	tgcccgtccc	aagtcctctc	aggtcaaggg	ccctgtccgt	120
ctccctacta	agactctcca	catctccacc	cgtaagaccc	cttgcggtga	gggttccaag	180
acctggggaca	agtacgagat	gcgcatccac	aagcgtctca	ttgagtaa		228

<210> 12196

<211> 477

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (328)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12196

agggatgcca	gttactgtgc	caagctcttt	goggataatg	agcaccgccc	agagtactat	60
atcccacaac	tcgagaactt	cgatgagacc	gtctacaccc	acgaagacta	cagtgaaggc	120
actctccttc	tgctgaatcc	ggttggagca	gaaatggttt	cagtaggtta	cagctcttcg	180
tggggctccc	tcgacatctc	ttccttgaca	cgcttcgttg	ccatggatcc	atccagattc	240
tgtgcctgca	ttcggagaga	cccccaagag	gaatatctgc	gcttatccat	cgggatccctg	300
tacaccttcc	tcgactgggt	cttgaatntg	cgtcggggta	aagatggaag	acgactcccc	360
ggcattaaac	ggaagagctc	gttggagacc	ttctggaaag	tctttcgact	ggtatacgaa	420
agggctacca	gcagcaagat	cgagaagccg	atgaaccgtc	aaatgcaccg	ggtatga	477

<210> 12197

<211> 978

<212> DNA

<213> A.fumigatus

<400> 12197

tatgtcccct	acgatctcaa	cgctactgac	cgtttggcca	caggatccgt	cagcgatgct	60
ctccgcaacc	tgatcatgca	ccatgccgat	acccgcacct	tcttgaagta	ctaccttcac	120
cggaggatcg	acaaggacct	cgcagccatc	atccgaggtc	tcgatcccca	ggaggatatg	180
atgcgtgcgg	cctgtcgtat	gagccggaca	attgatccta	agcggccgca	ggagttgacg	240
accgcgcaat	catcctctgt	caacaaacag	cctgaaattc	aggatctgat	ccgacggcgc	300

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ggtgagctcc gccgacagct gggacgtcca ttggcgcgcc accatggaac agtgaagtac 360
gaggtgtatc agaagcttaa ccaggaatta gccggcgcca ggcaacgggc gcgggatgcg 420
ctgcttgccc agcttcaaga gaaatatgac cgagagcaac caatgctgga aatccagcgg 480
cagctgtctg ggaccaagct ggccgagacc gtgaaccaga cactggatta ttgcgaagaa 540
ctgcccgtct cgcagaaacg tctgattgaa actattttta ctcttcacg atcgacactg 600
gaggacgaga tgcgcgcgac gaccgatgct attgacgcca ttgccgctta ctgtctattc 660
gaggaagggg tcacatgccg tctcgacagg gacaaacgtc ccactggcca gatggtcgag 720
gcaacaaagc cagaaggata cgacgtttaa gaccaggaga ctaatgctgc cgaaagctgc 780
tcccagtcgg atcagctgct ggaggcagct attcgatcgg tcatgacaga aaaaaggccc 840
cgtgtctgtt tcactctgtg gggacagccg aatttgga tcaaaaggcg cgtgaagcaa 900
ttcaaagagc acggtgacct aaccaagcac atcagacgga agcatgtcaa accgagccca 960
gaggggagat ccctttag

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<210> 12198

<211> 327

<212> DNA

<213> A.fumigatus

<400> 12198

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gtgatccgga aattggctaa gaaacacaaa ctgtccagta aaggctcgtga aaagtcagct 60
atgtatgtcg aggatctggc gaagggtgtg gagactgtca tcagcaccac aaaaaagaag 120
tttggacacg gtcgacatcg catcgagctc tgtctgtttc tacagctggc aggtcttaca 180
acaaatcgtc cgcaggccat cttggatctc aagtatcgcc atattaaagt ctgcctgctc 240
cgagatccta aagggtgtcc tcatcggatc gtgatcgagt tcacttttga gttcacgaag 300
gagtttctgg gcgccaaaga cgagtaa

```

<210> 12199

<211> 417

<212> DNA

<213> A.fumigatus

<400> 12199

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ccttggacta ggaatacctt tattctcccg gaaatcatct tcgacccatc actcatcctt 60
agtccgcacg ttttctgtt aggtcttctc ttgcgcgcat gcgcctttgc acgtgttgat 120
ggagaggaag tgctgatgct tgcggagcaa ctctccgcc tcgggatccc cgatgaatgc 180
aacgagctgc aattgacgct tgaccccgcg ttggataaca tcccggtctt ccgtcagtc 240
gagcgcacgc tggagggaat cactatctct cttgataagg ctctgcccta ctccaccctt 300
ttaccatggg tcaagaaggt aggcgcaatt gccggcttcc ggcaggctct ccgcccgtag 360
agtctgcggt atggagccgg caaggcactg gataatagcg gttcgttgct cttttga 417

```

<210> 12200

<211> 2580

<212> DNA

<213> A.fumigatus

<400> 12200

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tctggctcta ggttcggcaa ttacattgga gagcctgtgg actctgagga ggaaaaccaa 60
gatgaagagc tcaaacgcga gacatttgct tttgacgaag catttgagga ggaagaagat 120
gaaaacccaa atgcagatca attgatggag gttgacggta tttcatattt atccaagcat 180
tactacctca caccggttct gacctcgtat gcagaaggcc cttcaaatgc cgtcgtccta 240
catgaagaca aacaatatta tctagtgc aagcaagctt acggtgacga ggttgagacc 300
ctggttcaag aggaggactc gcagccactt tcgcaaccca ttatcgctcc cgtccagcag 360
aagaagtttt cgatcgagga gcccgatctg ccacccttct atttctcgcg agagtttatg 420
acagacttgc tcagttttcc tagtcaaata aggaacatcg cgcttggttg ccatcttcat 480
catgggaaaa cagcgtttat ggacatgctt gtgacggaga cgcattgatt gacagagcgt 540
ctggagaagc gagtaggcaa gcggaaggag gaacagctcc gctataccga tattcacttc 600

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ttagaacgag	agcggggtct	ctctataaag	tgcggcgcta	tgactttggt	actccaaaac	660
accaaaggaa	aatctcatct	tttcaatatt	attgatactc	ccggccatgt	gaatttcgtg	720
gacgaggtgg	ccacatcgtc	tgcggctcgtc	gacggaatag	tgcttgctgt	ggatgtcgtc	780
gaaggtgtgc	aagcgaacac	agaacagatc	atcaagcacg	ccgtgctgga	aggtctcccc	840
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<210> 12201

<211> 288

<212> DNA

<213> A.fumigatus

<400> 12201

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gctgctgagg	ctcccaagga	aactcccgtt	gagaacgggtg	aggccactcc	tgctgcggtc	180
gagacgaccg	aagcaactgc	cgagcagccc	aaggaggagg	ccaaggagga	aatcactcct	240
gcgactgaag	gtgtgcttgg	acacaagggg	cccggctctgg	tgaagtaa		288

<210> 12202

<211> 198

<212> DNA

<213> A.fumigatus

<400> 12202

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gtcgaggcca	agcagctgtc	cgtcttccag	cagaacgaga	agcctgctgt	cgccaacccc	180
attgtcgctt	gggctacc					198

<210> 12203
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 12203
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 atcaactcaa ggaaaactca aggagctccc ctacctgtcg tgcagataga taggtcgaaa 120
 ttaaaccggct ctagactgtc tacggagtc ctaggccttg cttgggcgga cccattccga 180
 actaaccacac taattgtccc taaatttttg ggccgattcc aacttaattt tggtcgggtt 240
 tag 243

<210> 12204
 <211> 543
 <212> DNA
 <213> A.fumigatus

<400> 12204
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 ctgccatcgc tcgggacctt tgggtttcgg aatatatacg atcttccagt caccgaagcg 180
 aagcgccgca cggccgcagg tctcccatcc ttggatgaag tccttctcgt gaatccgttc 240
 cgactcgcca cgcgcccacg gatagaagct cttgcgcgac atggggacca cttcacggcc 300
 ttggtacgtg ggagccggat gcttgactcc cgccatatcg aggatagtcg gtgcgagatc 360
 catgaccgtg gcaaaactggt ctgtaattcc actccgcgcc gcggccacgc tgctggggaa 420
 cctggccagg aaggggacgc ggacgcgcc ttcagttgtg taggctttgt acagacggga 480
 cggggcggtg gcggcctcgc cccagcgcgg accgtaacag atgaaaggag ttggcttggc 540
 taa 543

<210> 12205
 <211> 585
 <212> DNA
 <213> A.fumigatus

<400> 12205
 gccttcgtag cggcaacctt cggcgcggtt gtcggacatg aagcagacaa aggtgttgtc 60
 cagttcgccg atggaggcca ggtagtggac gaccttgccg acattggcat cgatgcactc 120
 caccatgccg gcgtagacat ccatggcggg gcaggacttt tttttctctt ccggtgtgta 180
 gtcggtccat tctttaacct cgtctgcgac gacggggtgc ggttctacgt ccggacggat 240
 catccccagc tccttgagcc gctgcagtcg cttcagacgc aacgcacggt gtccgtcatc 300
 gtagacgccg cggtagtggt cgatgtactc gcggggcgcc tggagcggcc aatgcggggc 360
 cgtgaagggc aggtacgcga agaaggggcg ctcatccttt ctctcgtagc agtcggagag 420
 atactgaagc atcttatcgc cgtatccatc agacgaatac caccctcccg gcaactgctt 480
 cacgtaatgg tcatcttcca tgtggagggc gatgtagctc gcttcaagga aagtaggcgt 540
 gtcacgcggc ccctggagct gcggctcata ggcacagtgg tttga 585

<210> 12206
 <211> 543
 <212> DNA
 <213> A.fumigatus

<400> 12206
 gcacgcaggc agatgggcaa acgagcgctc gaagcctcgc ttgtatggcg atcgctcggg 60
 cgtaagcccc aggtgccatt tcccagacat gacgggtgtg tagcccgcat cccgcagcag 120
 ctcgggcagc gcgacgacgc gctcgttcaa gtatccctcg taaccgggca tgccgcgctg 180

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cggtgcggtg ctgatctggg agcccttggg tccgttctgc ccggagatgt tggtcattc 240
gatcaggttc ccaagacctg cgatgtggtg gtctgtcccg gtcgatgatca tggcgcggtt 300
gggactatcg cggtttagtcc aggtcaagag caagagggtg ctgaaatgct agagaaaaga 360
cacttacgaa caagcagccg cagcatgaaa gtctgtgaaa cgtatgcctc cattgagagc 420
aagacgatcg atatttgggtg tgcggatttc tctccgaag cagcctacat cggagaagcc 480
caagtcacatg gcgacgatga cgaggaagtt gggacgttta tccatgatag cgcaacagga 540
tga 543

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<210> 12207

<211> 342

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222>

(159), (174), (178), (179), (181), (189), (192), (199), (202), (203), (204), (205), (207), (208)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12207

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tccaaatcca ttccccttcc caacaattcc aaaatcaanc aacacttccc ttcncaannc 180
nctgtcctna cncaaaaaanc cnnnnncnct ctcccctcat ctccccctc ctcccctcag 240
atctccctgt ctcatcctca gcatcatcct gttgcgctat catggataaa cgtcccaact 300
tctcgtcat cgtcgcgat gacttgggct tctccgatgt ag 342

```

<210> 12208

<211> 990

<212> DNA

<213> A.fumigatus

<400> 12208

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aaaaaaagtc ctgcaccgcc atggatgtct acgccggcat ggtggagtgc atcgatgcca 120
atgtcggcaa ggtcgtccac tacctggcct ccatcggcga actggacaac acctttgtct 180
gcttcagtgc cgacaaccgc gccgaagggt gccgctacga aggcctaccc catgtccaga 240
gtgggtcatg ccccatctcc agaataatcg acaaacagcc tggagatttt agccaagcca 300
actcctttca tctgttacgg tccgcgctgg gcgcaggcgc ccaccgcccc gtcccgtctg 360
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ccgactatcc tcgatatggc gggagtcaag catccggctc ccacgtacca aggcctgaa 540
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cacgagaagg acttcatcca aggatgggag acctgcggcc gtgcggcgct tcgcttcggt 660
gactggaaga tcgtatatat tccgaaaccc aaaggctccg agcgatggca gctgtataat 720
ctggccgatg atccgggcga ggtgcacgac ctggcggatg ctcatccga gcgattgagg 780
cagttgctga aactgtggga tcagtacgtg atcgagacgg gtgtgattcc tctaaatccg 840
gatctgggtg actttctcga ggccactgag gcgcagatgc cggagaatgc ctggatggag 900
tatgattact ggaagaaggg cgcgcgcgat gagccgaaa agttcatgcg aaagccacaa 960
cggttccaga gagtgggtcaa gcagttttag 990

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<210> 12209

<211> 261

<212> DNA

<213> A.fumigatus

<400> 12209
 agaatggacc gactacacac cggaagagaa aaaaaagtcc tgcaccgcca tggatgtcta 60
 cgccggcatg gtggagtgca tcgatgccaa tgtcggcaag gtcgtccact acctggcctc 120
 catcggcgaa ctggacaaca cttttgtctg cttcatgtcc gacaaccgcg ccgaagggtg 180
 ccgctacgaa ggctacccc atgtccagag tgggtcatgc cccatctcca gaatatacga 240
 caaacagcct ggagatttta g 261

<210> 12210
 <211> 327
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (43), (58), (62), (63), (65), (73), (76), (83), (86), (87), (88), (89), (91), (92)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 tcagatctcc ctgtctcatt ccagcatca tctgtgtgcg ctatcatgga taaacgtccc 180
 aacttcctcg tcatcgtcgc cgatgacttg ggcttctcgg atgtaggctg cttcggagga 240
 gaaatccgca caccaaatat cgatcgtctt gctctcaatg gaggcatacg tttcacagac 300
 tttcatgctg cggtcgttg ttgtaa 327

<210> 12211
 <211> 1089
 <212> DNA
 <213> A.fumigatus

<400> 12211
 catttcagca cctctttgct cttgacctgg actaaccgcg atagtccac ccgcgccatg 60
 atcatgaccg ggacagacca ccacatcgca ggtcttggga acctgatcga atggaccaac 120
 atctccgggc agaaccggacc caagggtccc cagatcagca ccgcaccgca gcgcggcatg 180
 ccgggttacg agggatactt gaacgagcgc gtcgtcgcgc tgcccagagct gctgcgggat 240
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 ccatacaagc gaggttcga gcgctcgttt gcccatctgc ctgcgtgctc aaaccactat 360
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 cgcgagtaca tcgaccacta ccgcggcgtc tacgatgacg gaccgatgc gttgcgtctg 660
 aagcgactgc agcggtcaa ggagctgggg atgatccgtc cggacgtaga accgcacccc 720
 gtcgtcgcag acgaggttaa agaattggacc gactacacac cggaagagaa aaaaaagtcc 780
 tgcaccgcca tggatgtcta cgccggcatg gtggagtgca tcgatgccaa tgtcggcaag 840
 gtcgtccact acctggcctc catcggcgaa ctggacaaca cttttgtctg cttcatgtcc 900
 gacaaccgcg ccgaagggtg ccgctacgaa ggctacccc atgtccagag tgggtcatgc 960
 cccatctcca gaatatacga caaacagcct ggagatttta gccaaagcaa ctctttcat 1020
 ctgttacggg ccgcgctggg cgcaggccgc caccgccccg tcccgtctgt acaaagccta 1080
 cacaactga 1089

<210> 12212
 <211> 567
 <212> DNA
 <213> A.fumigatus

<400> 12212

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gcgactggtg	agggatcgaa	ccctaccag	ccatcaggtg	cttcccctac	cggtggcaac	240
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gagattgtga	ccctgggttcg	tcccacttcg	agccgcccc	tgattctcgg	taccggcaca	360
gtccaccctt	cgtcgacgct	ggccgtgaag	ccatcgcca	agccatcggg	tcaaaactcc	420
ggcagtagct	ctcacgtgcc	cattcctccc	agctacactc	aagaagctgt	gtcgcccttg	480
tccaccggtg	ctgcctcggc	cgtgactgga	ctgggccacg	gcttggtcct	cacggttctc	540
accctgtcgg	cgttcttcgt	gtttag				567

<210> 12213

<211> 384

<212> DNA

<213> A.fumigatus

<400> 12213

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gtccgcaagt	acaacgcctc	ctgtgtccgg	ggaaaccacg	aagaccgggt	gctgctgctc	180
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caggtgcagt	ggcttgacgc	ttgccccgtc	attctgaacg	tgggccagat	cccggaaatg	360
ggacaggtgg	tcgttgtgca	tggg				384

<210> 12214

<211> 1074

<212> DNA

<213> A.fumigatus

<400> 12214

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gagcgggagg	tcctccgagg	aggaaaggat	gtgacagagg	tatatgacc	gaaggtcttg	1020
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<210> 12215

<211> 2091

<212> DNA

<213> A.fumigatus

<400> 12215

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ctggaagccg	aaatatcttc	tttccaaaaa	gacggacacg	atcttgagag	acatggggag	180
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gattctgaag	agaccgagcc	gtcagtatct	gcttccgatt	atgagccacc	ctcgaggcgc	2040
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<210> 12216

<211> 336

<212> DNA

<213> A.fumigatus

<400> 12216

acggactttc	tggacaattc	acctaacagt	caacaggaca	ttgcattcga	acatcaacac	60
ggctgtgagc	ttctccaga	gctgacgaag	aactggcccc	tggggctcga	tccgatcaag	120
gaactgtgga	cggcaaatac	agaggccac	ctcctcgcat	tcttgtgctc	tgtagcagag	180
aagtatgagc	ccggcaacag	catcactcag	tactttttat	tccgtccgag	agcctttcac	240
atthttgcagc	cagagaacgt	ggaggcgatt	ctttctacca	atttcaaagg	ttcgcatggc	300
tacctgcata	agttctacct	ttctcacgcc	atctag			336

<210> 12217

<211> 420

<212> DNA

<213> A.fumigatus

<220>
 <221> unsure
 <222> (214), (275), (398)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12217
 ggaagtgagg tcttcgtctt tcccccccc ggtccactga ataaccgtga agccattcgg 60
 acaacgattt tacctactgg tgggtggccct gacgcaaata gtctcactat agtcaggaaa 120
 ggggaagctc atgtcttttc tcaatatgtt aattcacgca aaaagaatat ctatggctct 180
 gacgcatact gctttcgttc cggaaatatg gtanaccggc aaactggatc atattgggggt 240
 gggatttttt cctttccacg gaaggccttc ggcantgcct tgggggagaat ttcgcccttg 300
 attggaattt cctaccccat ttgtgaggct tatgcaaaac tttttcatcc atcatcctgc 360
 caaagggggc accgaattaa cccttttttg agacgaanaa aacccccccc tctcggtcct 420

<210> 12218
 <211> 246
 <212> DNA
 <213> A.fumigatus

<400> 12218
 ctacatccaa agtcactcga atggaaagac ggagataggg attcatgggg cactccccta 60
 cctttcgcgg gtgtcagaag cgaaatttgt gcactgctga cttttccccc agcctgctat 120
 gccatgtacg ataaggcgcc tccggctctg tctgatgaac ttgggtgtctg gcagaagaag 180
 tgctgtcga atctgtctcc tgatctcttt cctcccgatg tagtttacag aagcaagggc 240
 gtataa 246

<210> 12219
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 12219
 gtgaacagtc ggttacttgt tcaccatgag caagcaatga ttcgcctgcg agaggagata 60
 gcctcgggtga tgggggattc tgcgcattca acgaaagagc aaatcaaaaa gatgccctat 120
 ctctcctgcg tcattaaaga aagtaagtat tctttccctt caattccgct tctgtgggct 180
 aaggaagtga ggtcttcgct tttaccccc cgggtccact ga 222

<210> 12220
 <211> 789
 <212> DNA
 <213> A.fumigatus

<400> 12220
 gcccggcaac agcatcactc agtacttttt attcgggtccg agagcctttc acattttgca 60
 gccagagaac gtggaggcga ttctttctac caatttcaaa ggttcgcatg gctacctgca 120
 tcagttctac ctttctcacg ccatctagac tatggctttg gtgcacgagc agctatattt 180
 gctccacttc tgggcaacgg cattttcact caagaaggct ccgcctggag acatttctga 240
 gatctttttac gcaaacagtt ttctcgagtc cagaatcgca ttcttgaaca tttccacgag 300
 catgttgaca acatggtagc tcgcctacca ttggatggag tcgtcgatct tcaaccacta 360
 ttcttcaacc tgaccctcga catagcgaca gcgcttctat tcggaagatc agtgtacagc 420
 ttaaaggccg gtactgatca agacgccgac aataggctct ttgcgagag ctttaatatc 480
 gcccaggacg gcctagcaaa gcgatttcgt atcgcacctt ggcacttcct ctacaaccct 540
 cctggatttc gaaaagcttg tggcgatgtt caccgatttc tcgaacagta catcgatcag 600
 ttggacttgg aaaatagcga ggacctggat gataaaacat atggctttat caagcgggta 660
 gcacacgagt ctgccagccg acagcatctt cgcgatcaac tactcaatgt gcttctggca 720
 ggaaaggata ccacagcctg ttgcctttcg tggacattgt atgtggcgct agtcgaggaa 780

tttctactga

789

<210> 12221

<211> 264

<212> DNA

<213> A.fumigatus

<400> 12221

gaacgctcag	gggctgtttc	ccccagacgc	ctgtattttc	gtcggaaagt	gagtagtaag	60
atgtttctcta	ctgttaaact	agagattcta	actttcatta	gtttgaaaat	taccctcgag	120
gacaaagacc	tagtacggga	tggttcagcaa	acgttctctg	ctttcggccc	atgtcatgtc	180
aagatcaagc	gcgacaagcg	aaaaattccc	acggcctttg	tgcaatttga	ggtgagcact	240
tcctggctct	tgatcatgtc	ctaa				264

<210> 12222

<211> 1134

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (7), (10), (45), (71), (73), (79), (161)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12222

catcgngtn	gaaagccgcc	cgcaaagcgt	tcaaaagggtg	tttgnaggga	catcatcccc	60
cgggagcgcg	nngtctcnt	cactcgcctt	gcgacacctc	tcgagcgcg	cttggatacc	120
atcgccgcca	tcgagggcgt	cgacaacggc	aaggctttca	ngatcgccaa	gggagcggtt	180
accctctctg	caaactgcat	ccggtactac	ggtggctggg	cggacaagat	cgtcggccaa	240
acgatcgata	ccgacccggg	ctgtctgacg	tacacccgtc	atgagccggt	gggctgtctgt	300
ggccagatca	tcccatggaa	cttcccgtctg	ctcatgtggg	cgtggaagat	cggaccggcc	360
atttccaccg	gcaacaccgt	tgctctcaaa	acggcggagc	aaacgccgct	ttccgctttg	420
tacgtggcca	aactgggtcaa	ggaggccggc	ttcccccccg	gtgtcatcaa	catcctctcg	480
ggattcgggc	gcggtggcg	cgctgcgac	gcgcccccaca	tgatatacga	caagggtggc	540
tttaccggct	cgacgctggg	gggcccgcag	atcctccagg	tcgcagcgag	gagcaacctc	600
aagaaagtca	ccctcgagct	gggcccgaag	tctcccaca	tcgtctttcc	cgacgccgat	660
ctggacgacg	ccatcaagta	cgtcaacctg	ggtatctact	tcaaccacgg	ccaatgctgt	720
gcgcgcggct	cgctgtcct	ggtgcacgaa	tccatctatg	acaagtctct	ggcgtctctc	780
aagcagcgcg	cggaggaaaa	caaggctggc	gacctgttcc	accggagac	gttccagggt	840
ccccaggctc	ctcagggtgca	atttgaccgg	atcatgggat	acatcaatga	gggtaagaag	900
gccggcgcca	aggtgggtcac	tggtggagcg	cgccatgggtg	aaaagggtta	ctacatccag	960
cctaccattt	tcgccgatgt	gcatgaagac	atgaagattg	tcaaagagga	gatcttcggg	1020
cctgtctgta	cggtgcaaaa	gtttagcacc	gaggaggagg	ccattgagat	tgccaataac	1080
acgaactacg	gtgagtctct	actctactct	gtcctctggg	tcattcgatg	ctga	1134

<210> 12223

<211> 726

<212> DNA

<213> A.fumigatus

<400> 12223

cgtacaccgc	tcattgagccg	gtgggctgtc	gtggccagat	catcccatgg	aacttcccgc	60
tgctcatgtg	ggcgtggaag	atcggaccgg	ccattttccac	cggcaacacc	gttgtcctca	120
aaacggcgga	gcaaacgccg	ctttccgctt	tgtacgtggc	caaactggtc	aaggaggccg	180
gcttcccccc	cgggtgtcatc	aacatcctct	cgggattcgg	gcgcgtggcg	ggcgtgcca	240
tcgcccgcga	catggatata	gacaagggtg	cctttaccgg	ctcgacgctg	gtgggcccgc	300


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agatcctcca ggtcgcagcg aggagcaacc tcaagaaagt caccctcgag ctgggcggca 360
agtctcccaa catcgtcttt cccgacgcgg atctggacga cgccatcaag tacgtcaacc 420
tgggtatcta cttcaaccac ggccaatgct gtgccgcggg ctgcggtgtc ctgggtgcacg 480
aatccatcta tgacaagttc ctggcgctct tcaagcagcg cgcggaggaa aacaaggctcg 540
gcgacccgtt ccacccggag acgttccagg gtccccaggt ctctcaggtg caatttgacc 600
ggatcatggg atacatcaat gagggtaaga aggccggcgc caaggtggtc actgggtggag 660
cgcgccatgg tgaaaagggt tactacatcc agcctaccat ttctgcggat gtgcatgaag 720
acatga 726

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<210> 12224

<211> 477

<212> DNA

<213> A.fumigatus

<400> 12224

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gccggtgggc gtctgtggcc agatcatccc atggaacttc ccgctgctca tgtgggcgtg 60
gaagatcgga cgggccattt ccacccggca caccgttgtc ctcaaaacgg cggagcaaac 120
gccgctttcc gctttgtacg tggccaaact ggtcaaggag gccggcttcc cccccggtgt 180
catcaacatc ctctcgggat tcgggcgcgt ggcgggcgct gcgatcgcgg ccacatgga 240
tatcgacaag gtggccttta ccggctcgac gctgggtggc cgccagatcc tccaggtcgc 300
agcgaggagc aacctcaaga aagtcacct cgagctgggc ggcaagtctc ccaacatcgt 360
ctttcccgac gccgatctgg acgacgccat caagtacgtc aacctgggta tctacttcaa 420
ccacggccaa tgctgtgccg ccggctcgcg tgtcctggtg cacgaatcca tctatga 477

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<210> 12225

<211> 267

<212> DNA

<213> A.fumigatus

<400> 12225

```

ttcaacccca ggttccccag cttctatctc accttgccgc atactctccc tcatagacga 60
cggccagaca caatggacac tgaacagggc cttaagaacc acacggcgaa gacctctccc 120
cacgacgaga cagccatggc gtctcttacg acaatcccca catccgtcac cctgtccgcg 180
gagcagttcg agaagctgta cctgagcccc ctgacccagc ggcagggcat gctctcgaag 240
cagatgggca atcctacccc tttgtaa 267

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<210> 12226

<211> 1068

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (938), (1020), (1026), (1028), (1054)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12226

```

agactcacgc tagttcgtgt tattggcaat ctcaatggcc tcctcctcgg tgctaaactt 60
ttgcaccgta cagacaggcc cgaagatctc ctctttgaca atcttcatgt cttcatgcac 120
atcggcgaaa atggtaggct ggatgtagta acccttttca ccattggcgc ctcaccagt 180
gaccacattg gcgcggcct tcttaccctc attgatgtat cccatgatcc ggtcaaattg 240
cacctgagag acctggggac cctggaacgt ctccgggtgg aacgggtcgc cgaccttggt 300
ttcctccgcg cgctgcttga agagcgccag gaactgttca tagatggatt cgtgcaccag 360
gacacgcgag ccggcggcac agcattggcc gtggttgaag tagataccca ggttgacgta 420
cttgatggcg tcgtccagat cggcgtcggg aaagacgatg ttgggagact tgccgcccag 480
ctcgagggtg actttcttga ggttgctcct cgctgcgacc tggaggatct ggcggcccac 540

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cagcgtcgag	ccggtaaagg	ccaccttgtc	gatatccatg	tgggcccga	tcgcagcgcc	600
cgccacgcgc	ccgaatccc	agaggatgtt	gatgacaccg	ggggggaagc	cgccctcctt	660
gaccagtttg	gccacgtaca	aagcggaaa	cggcgtttgc	tccgccgttt	tgaggacaac	720
ggtggttccg	gtggaaatgg	ccggtccgat	cttccacgcc	cacatgagca	gcgggaagtt	780
ccatgggatg	atctggccac	agacgccac	cggtcatga	cggtgtacg	tcagacagcc	840
cggttcggt	tcgatcggtt	ggccgacgat	cttgtccgcc	cagccaccgt	agtaccggat	900
gcagtttgca	gagagggtaa	cgtcgccctt	ggcgatcntg	aaagccttgc	cgttgtcgag	960
cgccctgatg	gcggcgatgg	tatccaagtc	gcgctcgagg	aggtccgcaa	ggcgagtgan	1020
gagacngncg	cgctcccgcg	ggatgatgtc	cctncaaaca	ccttttga		1068

<210> 12227

<211> 417

<212> DNA

<213> A.fumigatus

<400> 12227

atacccaggt	tgacgtactt	gatggcgctg	tccagatcgg	cgtcgggaaa	gacgatgttg	60
ggagaattgc	cgcccagctc	gagggtgact	ttcttgaggt	tgctcctcgc	tgcgacctgg	120
aggatctggc	ggcccaccag	cgtcgagccg	gtaaaggcca	ccttgtcgat	atccatgtgg	180
gccgcgatcg	cagcgcccgc	cacgcgccc	aatcccagga	ggatgttgat	gacaccgggg	240
gggaagccgg	cctccttgac	cagtttgccc	acgtacaaa	cggaagcggg	cgtttgctcc	300
gccgttttga	ggacaacggg	gttgccgggt	gaaatggccg	gtccgatctt	ccacgcccac	360
atgagcagcg	ggaagttcca	tgggatgatc	tggccacaga	cgcccaccgg	ctcatga	417

<210> 12228

<211> 240

<212> DNA

<213> A.fumigatus

<400> 12228

ctctacgtac	atatagcaca	ctggcaggaa	attgtctgtg	gcgttctgac	tattattttg	60
cccattctca	ttgatactca	taaatcacgc	aacctgcgtg	accctaatta	ctcatataga	120
gacttttcta	atgtatttca	tacttgtcaa	acctcaatgc	tattatcccc	ggtctgctta	180
acatctaggg	gtcagtcaca	tcagtgtctg	tttcatgttt	gtgctattga	atgtaagtga	240

<210> 12229

<211> 192

<212> DNA

<213> A.fumigatus

<400> 12229

tatgggtgtc	tgattctcaa	ggtcgtctac	gccttgcaaa	gagttagctt	cacctatccc	60
cagaagtttt	ccgttcctaa	cctttgctat	tacagatggg	gcaaacgatg	tacgggttct	120
aagtgtcggg	tgactgtctg	ggctgaaact	ctgaggaatc	caaccttgga	agacataatg	180
acaaaggaat	ga					192

<210> 12230

<211> 462

<212> DNA

<213> A.fumigatus

<400> 12230

caacttctta	atcagtacga	atgctcgggt	catatcatcg	atgtctgggt	ggagacagtt	60
gcccagggtc	gatccaatgt	tgccctcag	aaactccctt	gggaaatgat	gcgtaccctg	120
ataacagaga	catacggcgg	caagatcgac	aacgctgaag	acttccaggt	gttggacaac	180
cttgtgaaca	gtttcctaac	tccggctgcc	ttcgaagtgg	actacaagct	cgtttcgggc	240

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gttgagaagg acgagtgtct ggcactgcct ggagagacca gcatccgtga ctttgtggaa 300
tgggtcaagc gcctccctga gcgagagcca cccacgtatc tgggtctgcc agccaatgcc 360
gagaaacttc tggtggcg gcatggcaac aagatgatct cggacttgtc caaaatcact 420
actttactgg atgaaggaga gcagttgatg attgacgggt ga 462

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<210> 12231
<211> 804
<212> DNA
<213> A.fumigatus

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<400> 12231
acctgtggga tctcgcgct ttgtaaagac atcgtaccgg ctgccgagcg tttcatcgaa 60
gcggtctttg gccgagaatt ctttgaagga agttccgatt tgaaggatgt tgttgagcag 120
gttgacagcaa ccacaccaat ctctcttagc tcgagtcctg gattcgatgc tagttacaag 180
gtggatgctc tcgtcgaaac tatgcacgca acctgcgcca atattgcaat gggatccaac 240
gaagggtctgg agagtgccga caaagcaatc agcaatgctg ctactgctgg aacgtgggta 300
ctggttaaga acgtacacct ggcaccttcg tggcttcaaa gtctggagaa gaggctcgaa 360
tcgctcaaac cccacaagga ttccgactt ttcttgtcaa tggagtccag tcctaagatt 420
ccagtcaatc ttatccgcgc ttctcgcgtt ctgatgtacg agcaaccagc cggatttcgt 480
gcaaacatga gggactcact gtctacactg atggaacgcg ccggcaaacc accggtcgag 540
aaagcgcgtg tctatctctt gctttgcttc ttgcatgctg ttgttcaaga aagacttcgt 600
tatgcgccta gcctgggttg gaagggttc tgggagttca atgacagtga cgtaagtga 660
caccacaagg gaattcatca ttgcgatccc actaacaact tcttaatcag tacgaatgct 720
cggctcatat catcgatgtc tgggtggaga cagttgccca gggtcgatcc aatgttgcg 780
ctcagaaact cccttgggaa atga 804

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<210> 12232
<211> 654
<212> DNA
<213> A.fumigatus

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<220>
<221> unsure
<222> (631)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 12232
ggacaaccaa gcaccagtgc tcccgcctaaa ggaaagtgtt caaagcccca tgacccgaaa 60
aagcctttga ttcagtatgc tcttatgatt gatgctggaa gccaaagggtc tcgaattcac 120
gtctatcgat tcaacaactg cggcccatcc cccgaacttg aagacgaagt ctttttccag 180
actgagccga agaaggcggtg ctccgggctg agttcctaca aagaggatgc tgaaggagct 240
gccaaaagcc ttgatcctct catggagggt gcgatgaaga atgttcctga tgaatacaag 300
tcttgctcgc caattgctgt aaaggcaacg gccggattgc gcatgcttgg cccggaattg 360
agccagaaga tcttgacgc agtacggaat cgactcgaga ctgtttaccc gttccctgtg 420
gtttccaaag agaagggagg agtgagatc atggatggct ctgacgaggg tgtctatgcc 480
tggatcacia cgaattacct tctcggaata attggcggtc ctgacgaaac acctactgcc 540
gcagtctttg accttgggtg aggttctacc cagattgtct tccagcctac atttccgaac 600
agcaagttag gcggtatgtc ttcacacacg nggctggaa ggatccgcac ttag 654

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<210> 12233
<211> 1038
<212> DNA
<213> A.fumigatus

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<400> 12233
aataagatcg atgtcagaaa tatggcggaa agtcagggga ggaaagtcca agacggagac 60

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aagacccttg aaacgatggt attagaccca catgctgtgg cggttgttcc ccatctgctg 120
tggcttggct ttctgcatgc gtccagtgtg tgggatagac cagtcgtagg attaactacc 180
tctttatgga gtaaagcact ccttatctac accaatcgct ttcagctttc acctctcaat 240
caagagaagt cgtttatatt gtttatttgc tttgttcata cgaattctgg gtatctctgt 300
tattctttcg ctctctgcca ccgaactcgc tttgccagac gaccaatact cgacatgaag 360
catatacgcg gcctaataatc gataacacaa gcacttcgcc ttaccttctt gccccctttc 420
cagaccaccc atgtccagtc tctacgctac aataatgcat tacgaggaac acaattgagg 480
ttccttcagt ctctctgccc tcttccctca cagcaaccaa gacagacaca gatcagagat 540
gaagatattc gatccgagta tatacaaata gtcaacgaaa atggcgacct tgagcctgca 600
atgaagctaa gagatgtgct acgctctttc gatcgatctg agaactttct cgtacaagtg 660
tctcctgccc ttcttgcccg cccaccaatc tgcaagatca tgaacaaaat ggccatgcgt 720
gagcacgagc gagccaaagc caaagctgca catgccacta aaacagcagt aaaacagatt 780
gagttgaatt gggccatcga cagtcatgat ctggctcacc gcttgaagca attgacgaac 840
ttcctagaga aaggccgtcg tgtggaaatt atcctgacac ggaaaaaggg caaacgagca 900
cccactgtgg aagagattaa aaacgtcatg gacagtgtct tgcaagctac gaaggaagcc 960
aatgcatgac agatcaagcc catggaaggg gaaccgggca aacatgtaac cctatatgtg 1020
aaaaagaagg atgcttaa 1038

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<210> 12234

<211> 522

<212> DNA

<213> A.fumigatus

<400> 12234

```

aatcccacca atgacgtgaa tgtaactgat aacgagatcg gacttgagta cggaaaatgc 60
taccgcatac aaaatgtatg cggggaaaga ctaggctatc aacaaggcgc ctctatcaa 120
tatggaaacc cagatcatca ggtctttcaa gtctgcctta ctgcaaccgg gaactgcctc 180
cgcgaaagga aggcgacca gaaagtagag tgcaggaact tgttttatct atatgacact 240
cgcggtcctt cgtggtccaa gggaccacg aacattggat tctacgggtt gtatttatac 300
ccaaacatat acccgaatcg gcccgacctg atggctcgtt ttcaagcctg gaaggattgt 360
gatgaggtgg atgagggaga accgtgtcct cttgcagtca acttgaaagg agcctacaat 420
aattggaacg gtctagcaaa tactccggca tatggctatg ttatgcaagt cgccaatgcg 480
tacgaaactg ttcactgggt tttcaaggag gtcaaaaatt ga 522

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<210> 12235

<211> 216

<212> DNA

<213> A.fumigatus

<400> 12235

```

tgggtccatta tctccatcgt ccaacgaccc cacaagccca ggcttatcac ggccgtccag 60
ccagcgcaga gtaccaaaca agctcgtgaa ggcaccccc tcgcagcatt ccagtggctc 120
acctttatct tcacatgcgc catcatcgcc ctgggcacct tcgcaattgc ggagacctgc 180
gacgagctat caacggtccg aagtattacg gcatag 216

```

<210> 12236

<211> 2220

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (2219)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12236

```

gcaaaaaaagc ttcttgtttt gtctccactg gtgttttgca tcgagcacta cttgactggc 60
ccgacactaa ctcgtctcgc tttctgtcag ctctgtgcgg tcagcactgt cgggtattgca 120
gcgaccgggt tcgctctcgg tcgcatagat cgaccttctt ccaaacaagg gagatttcga 180
agaaagaccc tcctgcgcga caatcatgcg cctacagcaa acaatactgt atcgccggct 240
ttcagtacta catctccaga tttcccgctt tttccctcca cagtctgcga tgtaaatata 300
catcatatca cagacccttc ccagcctcac agcaatgtcg cttcaccgga gcttaattcc 360
ggggactcac agtctcggag aaagtcttca tttgcgggtg taatacgtcg gcgccgaggt 420
catacaatga ccagtcacc ttgcgcatct aaagaggaga acgatacacc ctcacattcc 480
cgacgaccgt cctcttcttg gttgcgacgt ctgtcaatcc agccgcagga aagccgcctc 540
tcaaataatg gtccattatc tccatcgccc aacgaccca caagcccagg cttatcacgg 600
ccgtccagcc agcgcagagt accaaacaag ctcgtgaagc gacccccctc gcagcattcc 660
agtgggtctac ctttatcttc acatgcgcca tcatcgccct gggcaccttc gcaattgcgg 720
agacctgcga cgagctatca acggtcgcaa gtattacggc atagagcaac tcacagctta 780
aattttgaac ctagttctat cacaggctcc gcgtcgcat ctgttgaggc aggcgcattc 840
attgacattg aggaggggcg atggcaacca tatctaagac ccagtttga gggggtgact 900
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<210> 12237

<211> 1194

<212> DNA

<213> A.fumigatus

<400> 12237

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<210> 12238

<211> 423

<212> DNA

<213> A.fumigatus

<400> 12238

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<210> 12239

<211> 186

<212> DNA

<213> A.fumigatus

<400> 12239

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<210> 12240

<211> 441

<212> DNA

<213> A.fumigatus

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<211> 237

<212> DNA

<213> A.fumigatus

<400> 12241

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<210> 12242

<211> 693

<212> DNA

<213> A.fumigatus

<400> 12242

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<210> 12243

<211> 225

<212> DNA

<213> A.fumigatus

<400> 12243

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<210> 12244

<211> 267

<212> DNA

<213> A.fumigatus

<400> 12244

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<210> 12245

<211> 255

<212> DNA

<213> A.fumigatus

<400> 12245

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<210> 12246
<211> 330
<212> DNA
<213> A.fumigatus

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<210> 12247
<211> 285
<212> DNA
<213> A.fumigatus

<400> 12247
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<210> 12248
<211> 1224
<212> DNA
<213> A.fumigatus

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<210> 12249

<211> 429

<212> DNA

<213> *A.fumigatus*

<400> 12249

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<210> 12250

<211> 765

<212> DNA

<213> *A.fumigatus*

<400> 12250

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<210> 12251

<211> 1353

<212> DNA

<213> *A.fumigatus*

<400> 12251

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<210> 12252

<211> 627

<212> DNA

<213> A.fumigatus

<400> 12252

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<210> 12253

<211> 1734

<212> DNA

<213> A.fumigatus

<400> 12253

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<210> 12254

<211> 762

<212> DNA

<213> A.fumigatus

<400> 12254

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<210> 12255

<211> 252

<212> DNA

<213> A.fumigatus

<400> 12255

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<210> 12256

<211> 444

<212> DNA

<213> A.fumigatus

<400> 12256

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<210> 12257

<211> 210

<212> DNA
 <213> A.fumigatus

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 catgttccc accccattta tattgctcgc gccggttatt cccgctcgat tttccacag 180
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<210> 12258
 <211> 252
 <212> DNA
 <213> A.fumigatus

<400> 12258
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<210> 12259
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 12259
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<210> 12260
 <211> 1686
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (990), (1016), (1034)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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<210> 12261

<211> 582

<212> DNA

<213> A.fumigatus

<400> 12261

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<210> 12262

<211> 270

<212> DNA

<213> A.fumigatus

<400> 12262

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<210> 12263

<211> 195

<212> DNA

<213> A.fumigatus

<400> 12263

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gaagcgctca	agtcggatat	tttactacct	gactcgatga	agcatggagt	agatagggtg	180
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<210> 12264

<211> 330

<212> DNA

<213> A.fumigatus

<400> 12264

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tgtgctcttc	ttgttccctc	cagacctccc	cgtatcgggc	agcagcatga	gtatgtttta	300
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<210> 12265

<211> 198

<212> DNA

<213> A.fumigatus

<400> 12265

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<210> 12266

<211> 276

<212> DNA

<213> A.fumigatus

<400> 12266

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<210> 12267

<211> 2775

<212> DNA

<213> A.fumigatus

<400> 12267

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<210> 12268

<211> 1398

<212> DNA

<213> A.fumigatus

<400> 12268

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<210> 12269

<211> 1188

<212> DNA

<213> A.fumigatus

<400> 12269

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aagtccaggg	ctggtaagcc	cttggccaag	gcacatatat	tgatctaa		1188

<210> 12270

<211> 504

<212> DNA

<213> A.fumigatus

<400> 12270

aatctgggtc	gcaggtattg	caatcacctt	cacaagatcg	aagacgccac	gagcacagag	60
acgacggcta	tacagaatat	agcccttccg	gattttgagg	gagaaaagcc	ttccatatac	120
ctaacgcttt	tatctcttta	cttgtcacgg	ccgcatgggt	acaaaccacg	atatgggccc	180
gcgctggagg	tgctcgcaaa	acatggatcc	cgccttcttc	caaactcggc	tcttgaactg	240
atcccggaaa	cactgcctgt	caaggaaactg	caattctatt	tcaagggtcg	catgccccgg	300
gcaacttcta	ttctcaatga	gtccaaaatt	gtggccaacc	tgcaaaagtc	gcagagtatc	360
aagacacaag	cgcagctctt	ggttggcgag	ggtggtgaca	tgaaggcatc	gaggtcgagg	420
catgtcacga	tcacagaaga	aaggatctgt	gggatttgcc	ataagcgact	tggtggaagt	480
gtgattgatg	ttttccccga	gtaa				504

<210> 12271

<211> 204

<212> DNA

<213> A.fumigatus

<400> 12271

catgtccagc agcttggtcc gccaatcggc cctgtcttct tcaactggcga actcccattc	60
tttgttcttt tgttctccca agcgatccaa ataaaggctg agaaggttct gatggagatc	120
cggagtcattg tcattcaatt ctccaatgac atgctcaaga tacctaacag ccagacggac	180
atcaatccct ttcagaaaat ttag	204

<210> 12272

<211> 330

<212> DNA

<213> A.fumigatus

<400> 12272

catttctatc ggcggtcacc gcattctaac cgacgcctcc cttaccctag cttacggacg	60
ccgctatggc cttgtgggtc agaacgggat cggaaagtct actctcttgc gtgccctgag	120
tcgccgagag gtagccattc ccagccacat ctcaattcta cacgtcgagc aagagggtgcg	180
cttatgaagc aaactctccc tctggcgggt gttgctgaca tcagctttca gattacgggc	240
gatgataccc cggcaattca ggctgttctc gacgcagacg tttggcggaa acgtcttctt	300
gcagagcaag aggtgggcct cgctctatga	330

<210> 12273

<211> 483

<212> DNA

<213> A.fumigatus

<400> 12273

gcttcatggc caaaacctat cccggaaaga cagatgaaga gtatagacgg catctgggag	60
cgtgagtttg acccgaacaa tcttctgatt tctccgaaat ctgtaacacg tcgactgatg	120
ttcgtcttta gcttcggtat caccgggaact accggtcttc agcgcatgga gttattgtct	180
ggagggtcaaa agtcccgtgt cgcattcgcc tgtctctccc tgactaacc ccacatcctt	240
gtgcttgacg aaccttctaa tcaattggat attgagggtg tggatgctgt tctgaagcg	300
ctgcagaggt ttgaaggagg tgtggtgatg gtgtcacacg atgtgacgat gctgcggaat	360
gtctgtacca gcttttggt ctgtgacaag ggtacgggtac acaagtttga tggcactgtc	420
gatgcctaca agaagatgat cagctctcag gccaatgagg ctggtgtggt ggcgcaacat	480
tag	483

<210> 12274

<211> 786

<212> DNA

<213> A.fumigatus

<400> 12274

attgcctgta atcgggccct ttgtcattca tgctctaaca cgaaccagggt ttatctgact	60
cacgcctcaa atgcttatgt cgaggatgca aatgctccgt caccattatc ggaagccgcc	120
gacatggtga cagagcttct tgtttccgct tctggagact tctccgaaca caatgaaaag	180
gccattcgga acctagtcga aaaattcatt tcctccctga gttcgtctga tggcgtcgat	240
gcagagcgca ggcagatgcc gttcacgcga aagaagctgg accaggccat ccattgtggc	300
tcccagagga acatgtcctc cacgtcggc cttgctgggg gtaatgtcga tctcgagtcc	360
gccaactcca gaaaggtaga gtcccagtg gaccgcaaga agctcgaaaa agcagaacga	420
aagattcgtg ccaagcagga aaagaagcag atgaaaacag tgcaatacga agcatcccgt	480
ctcctcaacc agccagagag tactctgtcc tatgaagagt tcttcattggc tgtcaaccca	540
cttcagctgg gatcggattc gcaatctaag agcaaaagata tcaaggctga cagcattgac	600
atttctatcg gcggtcaccg catcttaacc gacgcctccc ttaccctagc ttacggacgc	660
cgctatggc ttgtgggtca gaacgggatc ggaaagtcta ctctcttgcg tgccctgagt	720
cgccgagagg tagccattcc cagccacatc tcaattctac acgtcgagca agagggtgcgc	780

ttatga

786

<210> 12275

<211> 210

<212> DNA

<213> A.fumigatus

<400> 12275

agcgatacag aaccttcaaa catgttggac gtgccatcca ttaccttcct atccaactac	60
ctccagtcac atcccagcac tatccttgta gtgtctcacg atcgagcggt cctcaacgag	120
gtggccacag atattgtgca ccagcattct gaaagactag actactacaa gggagccaac	180
tttggttaagg atcattctct tgcctctaa	210

<210> 12276

<211> 471

<212> DNA

<213> A.fumigatus

<400> 12276

taccccgga attcaggctg ttctcgacgc agacgtttgg cggaacgctc ttcttgcaga	60
gcaagagggtg ggcctcgctc tatgacctct tccgttgaga gtgagttagc tgacgatttg	120
cagaaaatca gtaaacaact tgcagcaatt gaagcggaaa ggtcgtctat ggcagacaca	180
tcgaaagatg ctgccaggct tgaccatgag agagaggggtc ttgatataac tctgaatgat	240
attcattcca agctggccga gatggaatcc gacaaggcag aatctcgcgc tgccagtatc	300
ctagccgggtc tcggcttctc accggagaga cagcaatatc ctacgaagac gttctctggg	360
ggttggcgaa tgagactggc cctcgacagg gctttgttct gcgagccgga cttacttctg	420
cttgacggtg agcttcgtgc ctctcaattc cgaatcaagc atcaatatta a	471

<210> 12277

<211> 486

<212> DNA

<213> A.fumigatus

<400> 12277

cgacagacgc cagccttcat tgacaaattc cgctataatg ccgccaagtc atccgaagcg	60
cagtcgagaa tcaagaaact ggagagaatg ccagtcctgg aacctccaga gagtgcactat	120
gtcgtccatt ttaagtgtcc agatgtcgag aagctttccc ctccgattgt acagatgtcg	180
gatgtctctt ttggctatag taaagaccaa ctgctcctca gaaatgtgga actcgatgtc	240
cagcttgatt cccgtattgg taatggtggg cccaacggcg ctggttaagac tacgggtgctg	300
aagctgttga ctggtcaact ccagccaaca tccggcttaa tctcgacca tgcaagggtg	360
cggatcggct acttcgcgca acaccatgtt gacgcgctgg atcttactac cagtgcgggtg	420
agcttcatgg ccaaaaccta tcccggaaag acagatgaag agtatagacg gcatctggga	480
gcgtga	486

<210> 12278

<211> 195

<212> DNA

<213> A.fumigatus

<400> 12278

atggctgttg aactaagaaa tagagatttc cagcaaaaaa gttttttccc cttgtataat	60
aacaatgttc tattcaaagc atatagccaa cttctcacc cagacggaaa ttcgcaatgc	120
agattgcca ctgtaacgga caccagccc aaccagaaca ctcttgggtc tgtgttccc	180
gccaggctaa cgtag	195

<210> 12279

<211> 3168
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (2711)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12279
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 gacgcggagc ccaagccccc cgtcaaggctc tttcagcaag cccagggtt aacctccaag 180
 gaagaaatcg atcgcatcca gcatcactat ggagacaaca cgtttgatat tcccgttccg 240
 acattcatgg agctattcaa ggagcatgct gtggcgccct tctttgtttt ccaggctctc 300
 tgcgttggct tgtggatgct ggacgaatac tgggtactatt ctttgttcac cctgttcatg 360
 ctggctcgtg tcgaaagcac cgttgtgtgg caacgtcaga gaacctcaa cgagtccgt 420
 ggcattgaaca tcaagcctta cgatgtttgg gtgtatcgcc aaaagaagtg gcaagagttg 480
 acaagtgaaca agcttctgcc tggagatctg atgtccgtta atcgcaccaa ggaggatagt 540
 ggcgttgctt gtgacattct cttgattgaa ggtagtgccta ttgtcaatga ggccatgctg 600
 tcgggcgaga gcacacccct cctgaaggag tcgatccagc ttagaccggg cgacgacttg 660
 attgaccggg acggtttgga caagaacgcc tttgttcacg gaggtaccaa ggtattgcaa 720
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 ggggttcctc ttctccgga caatggcgct gttggtgtgg ttgtgaagac tggtttcgag 840
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 aacgttgaag ccctgctgtt cattcttttc ctctcatat tcgccattgc tgcgtcatgg 960
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 gtccttatcg tctactagct cgttctctcc gaactgccta tggaaactcag tcttgccgtc 1080
 aacacgagtc tggctgact gagcaagttt gcaattttct gcaccgagcc tttccgtatc 1140
 ccctttgccg gacgtgtgga tgtcgcttgt tttgacaaga ctggcacatt gactggcgag 1200
 gacctgggtg tcgacggtat tgcgtgtctc accctggggc acgagggtgc cgatgttgga 1260
 aaggacggcg ctcacacgga acttgccaag tctgctaag tccactcga cagacccta 1320
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 aatgaaagca gccaccgtgt ggtcatgatt accggcgaca atcccttgac agccgttcat 1920
 gtcgcgcgca aagttgagat tgtggaccgt gacgtcctta tcttgagcgc tcttgaggac 1980
 gacatgtccg gcacaagact ggtgtggaga tccatcgatg acaagttcaa ccgcgacgtg 2040
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 aatcagccac cccgcctgt tctgttccag attgcgcacc ttaccctccc gggaccacgc 2460
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ctagctaattg	ttatcgcgat	ccccaacatc	ctgcgtcaag	gtcgttgtac	cctgggtggcg	2820
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ttacttgggtg	accttgtgct	aactctcgtg	ccagtccgtg	gagggtttgt	ccaaggagcg	3060
gccccagccg	aacattttca	atgtgtacat	cattggctcc	gttctcggcc	agttcgccat	3120
ccatatcgct	actctgatct	acctgtcgaa	ctatgtctat	tccattga		3168

<210> 12280

<211> 483

<212> DNA

<213> A.fumigatus

<400> 12280

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ccatcgcttc	tcaacagcgc	catctacctc	ctgcagctca	tccagcagat	ctccactttc	120
tccatcaact	atcaaggccg	aaccttccga	gagtcgatcc	gcgagaacaa	ggcgatgtac	180
tggggcttgg	ttgccgcac	tggcggttgc	ttctcatgtg	ccactgagtt	tcatccggaa	240
ttgaatgaga	agatgcgcct	tgttccattc	agcactgagt	ttaaagtcac	actaactgtg	300
ttgatgatca	ttgactacgc	cggttgctgg	atcatcgaaa	acgttttgaa	gaatctgttc	360
agtgacttcc	ggcccaagga	catcgcggtt	cgccggcccg	atcaactgca	gcgcgagatg	420
gagcgcaaga	aacaagagga	gttggagact	caggcagaga	aggaacgaca	gaggaaggctc	480
taa						483

<210> 12281

<211> 615

<212> DNA

<213> A.fumigatus

<400> 12281

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ccaagggttg	cagcccggca	tggagggatc	ccagaccttt	ttctaaagga	cttcatgaag	120
cgccacaaat	tccccaccgc	cgcgtatcag	aacttctacg	aatatgagcc	cgcacgtcaa	180
tatctggact	ctgtgaacca	caacgttgct	atcaaggcag	atgggttggc	agctggcaaa	240
ggtgtcatta	tccctcaaac	caaggaggag	gccccaaaag	cactccgcga	aatgatgctg	300
gatcatcact	ttggagatgc	tggtaatgag	gttgttatcg	aggagtatct	tgagggtgat	360
gaactcagta	ttctcacctc	cagcgacggc	tatacgattc	gctccctccc	tccagcacag	420
gatacaagc	ggatcttcga	tggtagccag	ggccctaaca	ccggcggaat	gggctgctat	480
gccccaaactc	ccatctcatc	aaaggagggtt	ctggaggaaa	tcgaccgcac	cattgtgcag	540
ccgacaattg	acggcatgag	aaaggatggt	tcgtctgaat	ccaacaaatt	tcgagcttta	600
tcggacggat	gctaa					615

<210> 12282

<211> 534

<212> DNA

<213> A.fumigatus

<400> 12282

tgtgactcat	acctctcagg	tttgctcgag	aaaactgcat	ccaaaatggc	tcaagaacaa	60
ttgcgcgtcc	ttgtggtcgg	caacggggga	cgcgagcatg	cgtatgcctg	gaagctgagc	120
caatcgcccc	tcgtcgatgt	cgtctacgtc	gtccaggga	atgggggtac	tgctcaaggc	180
gcctctagca	agattaccaa	cgccaacggt	aaggagacg	attaccctgc	ccttgtcgag	240
tttgccgaga	aaaatggtgt	caacctggtc	gttcctgggc	ctgaggcgcc	tcttgtggac	300
ggtattcagg	gctatttaca	cgcaagtggg	tggtttgttc	cctgctggaa	tctcttgaat	360
atactgaatc	ctatgggaca	tgctattgac	acccatgaca	gttcggaatt	ccatgctttg	420
gactttccca	agggttgcag	cccggcatgg	agggatccca	gacctttttc	taaaggactt	480

catgaagcgc cacaaattcc ccaccgccgc gtatcagaac ttctacgaat atga

534

<210> 12283

<211> 1701

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1286)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12283

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ccctttgtgg	gtatcctatt	caccgggtctc	atgatgacca	aggacggccc	taagggtcctt	120
gaatacaatg	tccgtggcgg	agaccgcgaa	accagacact	tgctcccggt	gctcagcgcc	180
gataccgacc	tggcccagat	catggttgct	tgcactgaac	actggcctga	cggtgtggac	240
atcaagatcg	agcccaagtt	ctctaccacc	gtcattgcgg	tagcgggtgg	ttaccccggc	300
tcttacgcca	agggcaaggg	aatcactctg	gatccggcac	ctgaagacac	attgatcttc	360
catgcgggca	cgaaactctt	cggaacgaa	ttgcagacca	acgggtggccg	tgttattgct	420
tccaccgcta	ctgcgtccac	cctcgaggaa	gcactccgca	agagttacgc	tggcatctca	480
gcaatttact	ttgaagacat	gttctaccgc	aaggatattg	cgcatcgtgc	cttcagacag	540
agagacgcag	ctgcttccca	gcagcagcag	tctctcacct	atgcctctgc	tgggtgtgtcc	600
atcgacgcgg	gtaatgatct	cgtcaacaag	attaagagct	gtgtcgctcg	tacgaagcgc	660
cctggcacgg	atgcagtgat	tgggtggcttc	ggaggactct	tctcccttgc	cgccgccaac	720
tctgcctacc	accctgagtc	tcccactctg	atcggagcga	ttgatggcgt	cggaaccaag	780
ttgaagattg	cccacactgt	gggtgtgcac	aacaccgtag	gaatcgatct	ggtggccatg	840
aacgtcaacg	acttgggtgt	ccagggtgcc	gagcccctct	tcttccttga	ctgctactct	900
tgcggcaagc	tggatgtcga	gaccgctgcc	gctttcgtgg	ccggcgctgc	ggacggctgc	960
gtccaggcgg	gctgtgcctt	gatcggcggt	gaaaccgcgg	agatgccagg	tctcttcgtc	1020
gacgagacct	acgacgccgt	gggtgccgcc	gtgggtgcc	tcaacaccac	cggtagaac	1080
gccaagtcca	tctgcgggc	caactctgcc	atgcaagcgg	gtgatgttct	gctcgcattg	1140
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ggaataagct	acgacgacct	tgcccccttc	accatgcctt	cctcttcctc	cgaatctctg	1260
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atcacgggtg	gcggtctggt	cgagaacgtg	ccccgcacgc	ttccttcgac	cctctcggca	1440
cacatcgacg	tctccgcctg	gcaactgcc	cccgtcttct	cctggcttaa	gaagaccggc	1500
aacgtcacgc	cccccgagat	ggcgcgagcc	ttcaactgtg	gtgtcggcat	ggtcattgtg	1560
gttgagaagg	gatccgaggg	cgccgtcaaa	gaactcttcg	agaaagaggg	tgaagttgtc	1620
taccaagtcg	gtgaactcaa	gcctcggcag	gacggcgagg	aaggctgtgt	gcttgggggc	1680
ttacagacct	gggatgcatg	a				1701

<210> 12284

<211> 282

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (85)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12284

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acaatgtacc	ccgggattct	tgggnccgta	tgcagaagga	aatcactgcc	cttgctccct	120

tcgtctatga	aggtcaagat	tattgctcct	cctgagcgta	aatactctgt	gtggattggg	180
ggttccattc	tggcctctct	gtccaccttc	cagcagatgt	ggatctccaa	gcaggagtag	240
gacgagagcg	gtccttcgat	cgttcaccgc	aagtgtctct	aa		282

<210> 12285

<211> 846

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (38)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12285

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ggtcagagat	tccgaggaag	aggaaggcat	ggtgaagggg	gcagggtcgt	cgtagcttat	120
tccggatctc	tgcacgatct	tgccgaccaa	cgagtatccg	ttggagttag	ggccagagga	180
cgccaatgag	agcagaacat	caccggcttg	catggcagag	ttggccggca	ggatggactt	240
ggcgcttctta	ccggtggtgt	tgatggcacc	cacggcggca	cccacggcgt	cgtaggtctc	300
gtcgacgaag	agacctggca	tctccgcggt	ttcacgcgcg	atcaaggcac	agcccgcctg	360
gacgcagccg	tccgcgacgc	cggccacgaa	agcggcagcg	gtctcgacat	ccagcttgcc	420
gcaagagtag	cagtcaagga	agaagagggg	ctcggcacc	tggacaacca	agtcgttgac	480
gttcattggcc	accagatcga	ttcctacggt	gttgtgcaca	cccacagtgt	gggcaatctt	540
caacttggtt	ccgacgccat	caatcgctcc	gatcagagt	ggagactcag	ggtggtaggc	600
agagttggcg	gcggaagggg	agaagagtc	tccgaagcca	ccaatcactg	catccgtgcc	660
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gatggacaca	ccagcagagg	cataggtgag	agactgctgc	tgctgggaag	cagctgcgtc	780
tctctgtctg	aaggcacgat	gcgcaatata	cttgcggtag	aacatgtctt	caaagtgaat	840
tgctga						846

<210> 12286

<211> 1650

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1243), (1264)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12286

tacttgctgg	acaacgacgt	cgagtattat	aacgaagcgg	aaccagtgac	attactttgc	60
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cggcctacac	atacctttca	agacggctcc	agctccaggc	agcctgatgt	acggaccatg	180
aacccagagg	acaagtatat	gaacccacgg	cggccgcca	agccaaagct	tccccgactc	240
cgtacatccc	cgccactact	tcaggcgcca	acccagctt	ggtccttcag	tacgtctcct	300
ctgggagcat	tgaccaatag	agcgacttcc	cagccaagca	gctcagtaaa	caaaacaccc	360
cgaagtctta	gctccaaggc	tgtctgctcg	gtgtcacccc	cgagatcaag	aggccttcgg	420
gctgcagtcc	gctatctgaa	tgttcatct	cccgaacctca	gcaacacgca	ccactccgac	480
agggagcttg	attcaaaggg	cgaagatgcc	gctgggggtat	gccgcaccgg	tagtagtggc	540
aaaggccgct	ttgactttcc	cgagcagtct	tgccatgcct	tcgctccggc	ctcgaccgcc	600
aagcattacg	agcactccct	tcattccagaa	gaccttctct	tccgccgacc	tgtgtctgcg	660
gaccatgaaa	accctctgac	aatgtccatt	caggatcgct	gtgcattgaa	cataaaatcc	720
atagagcact	tgctgtgtaa	gagtcctcta	actgttgaga	cgcagcctga	cgatacgagc	780
gcgagcgaag	agtactcgct	aaaaactttt	tcatatatgg	ctgcagagct	actagcggcc	840

ttagagtcgc	cgctcttttt	gagaacggcc	actattcccc	atgctacgac	gcctacgcca	900
ttcacataca	aggaaaagcg	gcttcctacg	ttaccaact	cgccctcgtc	agtgatggat	960
gaagccctgc	gtgatattga	cgcccgcgag	agagaactcg	ataccgagaa	cctaggaagt	1020
cgcttttctg	acttcaactga	aacggaaggc	tccgttgctg	gcagctccta	ctgcgagaga	1080
agtcactttt	cggaatggag	tacagatata	gagattatct	ctcccgagtc	catgacctcc	1140
tcttccactt	tcaacaacga	aaccagctg	tcccacaatc	ccggcgacgc	ggaatctgca	1200
gaccggattg	tacccttctt	agggttcggac	acgagcgatc	canacactcc	tcacctgaca	1260
gtgnattcga	aattgtcacc	cgcgacttcc	gttgcaagcg	attcaccacg	cttcaacttt	1320
cctctccccc	gcttgacggg	gtcattttct	ccgtctgacc	ttgacatggc	agggtctcgg	1380
attgaagaca	tgtgcaatgt	ggagagagac	cccaaaagac	atgcagcttt	tttcggcgcc	1440
atgaatgctt	tcgagacgct	gggtctgggtg	aaaagtcctg	acgcgtccac	caccgagttt	1500
ccggatgggtg	tccaaaacga	cacggcttcg	cttatttgaca	accgggacgt	atccaatcgc	1560
cttagttgtg	cttctacgtc	tatgctggat	atgatggatg	aattggccta	tctacggaac	1620
gtgatccagt	ctggtactgc	cgaggaatag				1650

<210> 12287

<211> 360

<212> DNA

<213> A.fumigatus

<400> 12287

tcagcatgca	tattatgggc	taccaagccc	ggctctcctt	gccacacaac	ggcgattact	60
gagatcctcc	atgcctctgg	ggaggetgag	aagctctatg	agcttttaca	tgatttgggt	120
gcaattggct	gtctggcgtc	ggatgacagt	acggatcttc	aaaacctcct	gtcactagta	180
cgtgtccatt	ggggacttac	tatacggtcg	cgcaacgcta	atgatggcca	gtctgttgga	240
gcgttgcaaa	tcttgggtat	cgtgactata	cgacacgagg	tcgggatcgg	ctacatcgaa	300
attcaatcca	agtgctatga	tattgttgag	acaagcgcg	tgacaaggat	gacgacctaa	360

<210> 12288

<211> 294

<212> DNA

<213> A.fumigatus

<400> 12288

cttgacactg	gcgcgactga	catcctctgg	atttcaacag	gcacaatcct	ccacggcacc	60
atcacgctg	tctctcctca	gatgaacacc	tctctgcgca	ccgtcaaaat	gacaccaag	120
ggccgcgac	ccatctctct	agacacgac	aacatccg	gctccacgat	ccggtactac	180
atcctccctg	acaggttgc	tctcgatact	ctgctcgtgg	acgaccagcc	aaaaccaag	240
aacaaggcgc	gcaaggagac	ggatcggggc	cgcggtcgcg	gtggtgcacg	gggc	294

<210> 12289

<211> 738

<212> DNA

<213> A.fumigatus

<400> 12289

gctctcttgt	gttctgcagg	agctggccca	ttgctgatta	tccagttcgt	caccgtggca	60
tcagcgctcg	cgctggcgcc	taccgcggtt	gttgctcgcc	agggcgcgcg	tgcttctcgt	120
acagtgaact	cgatagacgt	ttgtcccaaa	aagggtggcc	aggaaatcat	caatccggga	180
ccgaaggtag	ttaccacgcc	ctacacttgc	gatcaagtga	agctcgggtca	tggcctggac	240
gtgtctact	acaacttcga	catcgagccc	ctcaccaagg	acacctttcc	ttactgcaag	300
gctctcaagg	tctttgacaa	cgaagggttc	ctgggcttcc	ctacttttatg	gatccccctc	360
gagagcccc	ttgaggacaa	gtgcatccct	gaacactact	tcagcgacga	agtgaagtct	420
atctcgtttc	agcttgattg	cgcgcaggac	gcccctgtca	agaaggagcc	atatggccct	480
aaggaggggg	ctgaacaatc	tgcaccgcag	gcagagcata	gtactaagca	ggacgctcaa	540
cagggttctc	accagggaca	ggaggtgcag	aacagcccta	agcaggaggc	tcgccaaggt	600

tccagggccgg	cagaggctgc	tcctaagcag	gagcaggaag	ctgagcaagc	ttctgaggca	660
gcgcccagaga	aaaaggcctc	aaaccctgct	gacagtctcg	gcctggggcga	actcaciaag	720
gtgctcgggtt	tccgggtga					738

<210> 12290

<211> 768

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (691),(694),(705),(733)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12290

gggatcacgc	ctcagtgcaa	aaaatcgtct	ctcttcctgc	gaactatcac	cgccatgcat	60
ttcaagaacg	taagacaaac	ctgcacctac	attatgcacg	atacaaaactc	tgacagcatc	120
gcattgcagc	atctctcctt	cctcctgac	ctgacaccgc	ccctcgccctc	aactacagcc	180
cgcattctggg	ccgaattcct	gccctcctgt	cctatcaacc	gcatccaccc	agcctcagca	240
gccccagacc	accttccgca	cgaggagtcc	atctcagcgc	tcaacatctc	cccagggacc	300
tgcaaaaaca	tcttcgtgcc	gctctcgtac	ggccacgagg	taacgcacat	gtcctttgac	360
gcggaagtcg	aagtcgtagg	caccagaccc	gagaaatgca	gaatttccat	ctacgaagtc	420
cccgggtgtg	ttggccagcc	tctcctcgac	gaggaggtga	agcacggctt	cgctcttagt	480
gattgcgtcg	ctaggaactt	cgctcgtat	aaccaggtct	gggccatgtt	ggactgcaaa	540
gagcaagacg	cggatgaaaa	agtgcagtcg	actggacaac	cggcgcgatag	ccataagccc	600
ctgcttcatg	accatcctta	cctccatgtg	aacaattcga	cagacttggc	gaatcagaat	660
gcgcctttat	gtgaaatggg	accgggtcca	naancctgtg	ccaangccgg	tctccccctc	720
ggaagggccc	ttncctatac	ggctggtagg	ggtatccttc	ctcttggg		768

<210> 12291

<211> 537

<212> DNA

<213> A.fumigatus

<400> 12291

accttgctgt	catcactcgg	aatccgtacg	caacaggaag	cgcacgcgaa	ggccgatcct	60
atttggttga	ggagagcagt	agccagagcg	gttattcgtg	taacctcggg	cattttcctt	120
gcgatggcat	cttctcgcaa	gctatctaca	cctagcgact	atgcggaact	tctgtgtcgg	180
tatgacactt	ggctcttcga	ctgcgacggg	gtgatatggg	ctggggatca	tgctactgag	240
ggagctagca	aggcaatcga	cttcttgaga	gaccatggaa	aacgagtggg	atttgtcacg	300
aacaatgcgg	cacgaagtgc	gaagatgctg	aagaccaagt	ttgacagact	gcgaatcgca	360
gccagtggag	tacggggcaa	gtgtctggag	gatggggccac	caactgacat	atcccaacca	420
ggacgagatt	gtatccagtt	ccttcgcagc	agctgtgtat	ctcaaggaag	tgctcaagtt	480
tcctgcccga	cgggaaggtgt	ttgtcatggg	aatggaaggg	gtcgaagcgg	aacttga	537

<210> 12292

<211> 357

<212> DNA

<213> A.fumigatus

<400> 12292

ccgcagcttg	taggcgccgg	ttctctcggt	acgccattga	tcgcctcgac	gaagcgcaac	60
ccgatcgtga	ttggcaaacc	gcatgcgccc	atgcttgaca	cggtcaagtc	gctatacaac	120
atcgacccaa	cccggacgat	cttcgtgggg	gacaacctgt	acacggatat	cctgtttgcc	180
cgaaaaggcc	gtgtggattc	ccttctgggt	cttacagggg	tcacaaaaga	agaggactgt	240
caaacccgaag	gcatatggcc	caccttcatt	gcgccgagta	tcagcaacat	cgtcgcggcg	300

gaatcggggcc cgtcgatcat tgcagatgga accagcacca tccatgcac actatag 357

<210> 12293

<211> 549

<212> DNA

<213> A.fumigatus

<400> 12293

agaccaagtt	tgacagactg	cgaatcgag	ccagtgaggt	acgggccaag	tgtctggagg	60
atggggccacc	aactgacata	tccaaccag	gacgagattg	tatccagttc	cttcgcagca	120
gctgtgtatc	tcaaggaagt	gctcaagttt	cctgccgac	ggaaggtgtt	tgtcatggga	180
atggaagggg	tgaagcgga	acttgatgcc	gtccacatca	agcgatgcgg	aggaaccggc	240
ccggaggaca	acaagttcct	cgccgcaaac	gactattctt	cgctagccgg	ggaggaggcg	300
atcgatccca	gtgtagggtg	agtgggtgtg	gggttcgaca	tgacatgaa	ctacggcaaa	360
ctctgcaaa	cattcaaata	cttgacgcgc	gacggagctc	aaggggccgt	tcttgaggcg	420
gagacgggag	gcgggtgtca	tttcattcta	accaacgacg	ataaggtggt	tccggcttta	480
ggagagctat	ggcctggtag	tgatcctgtt	cctacgaaga	cgcgagcagt	cgctgaccgc	540
agcttgtag						549

<210> 12294

<211> 285

<212> DNA

<213> A.fumigatus

<400> 12294

cagcttgctt	cagaactcgt	gcacctcaag	gtggagaatg	aagagctctc	tgacatcaat	60
gatgctctga	aacttcagg	tagcgagctg	aagattgttg	tggaacaagca	gcccgcagag	120
gttgaggaga	agcttcgcac	agaaatggac	cggataatga	agcgcaacat	ggaagttcaa	180
aacgaaaatc	ggtctttgtc	agagcagatg	gcagaaatgg	agagggagct	tgtggaggcg	240
aagatgcaat	gggctgaggt	aagcattcag	cgattgctaa	gatga		285

<210> 12295

<211> 231

<212> DNA

<213> A.fumigatus

<400> 12295

caggacgcat	ttgaacagga	tgggaaaccg	tatattctca	gcgcgcggc	tggcgagtcg	60
ttccccgac	ctcgcaacaa	gggcttcaat	atctctgtga	agacgacctt	tgcttcattg	120
gaggacatgg	agtactatga	taaagagtgt	gaggcgcata	aggcgctgag	agctgtggcg	180
gggcccgtga	aggaagatgt	tctcacaact	tatttcgaga	gtgttctgtg	a	231

<210> 12296

<211> 297

<212> DNA

<213> A.fumigatus

<400> 12296

cgaggcgtat	cattcctcga	agtccccggt	gtcactact	cggacctgcg	tcagcgactg	60
tcacacaccg	gactgacact	cgaagaggat	attgccgttc	tggaagagct	tcattattctg	120
gttgactttg	acgagaaggg	atatttgctc	caaatttttt	ccaaacatgt	gctcgaccgg	180
cccacgggtg	tcctcgaagt	catccagcgc	aacaactttg	acggcttttg	agctggaaat	240
ttcaagagtc	tggttcgaggc	ttttgaacgt	gagcaagcac	gaagaggtaa	tcttttag	297

<210> 12297

<211> 2244

<212> DNA

<213> *A.fumigatus*

<400> 12297

tcgatgccaa	agagctatcc	ggaattggca	aatacacccg	aatacactag	ccgtgcgcgc	60
atcatctccg	tcttcttcaa	gtccctttat	tcacgatccc	acgatgtcat	cgaggcggcc	120
aacgcaggtc	tcagggatgt	cctcacacag	acgaacaagc	tgcccaagga	cctacttcag	180
aatggccttc	gccccatcct	catgaaccta	caggacccca	aacgccttag	cgtggcaggt	240
ctggacggcc	ttgcacgcct	ccttaccctg	ctgacgaact	acttcaaggt	tgagattggt	300
gcccggctgt	tggatcacat	gaaggttata	gcggatgatg	cgggtgttgca	aaaggtgtcg	360
tttagccttg	tcgagcagaa	ccagacaatt	aagattgtca	ccgcgatctt	caacatatct	420
catcttcttc	ctccagccgc	cacatcattc	atggagcacc	ttgtgaataa	agtgttggaa	480
cttgaagaga	agcttcgcgc	gacgtctaac	agcccgttcc	ggaaaccgct	tgtcaagtat	540
ctcaatcgct	atcccaagga	gagtctggca	ttctttcaag	ctcgctttaa	agaggagcgc	600
ttcggacgat	tctttggcca	gattctcgcc	gacccggaaa	gtgaggcggt	gcgtgctgca	660
gtcgtagcag	acaccgaggg	cttcaagtca	gctgtttttg	gacaagactc	atccgatggc	720
aggaatactg	ctgccattaa	cggatctctat	gtcgtgcatt	ctgtgtgctc	gtacgaagcc	780
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tcagtataaa	tgcgttgcc	cgacctttac	ggccaacgca	cttgctcgca	gaagatgaaa	1140
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aacagccctt	ccaacagccc	gaagctgatg	gacaagagca	tgaccgaatc	aattcaaagc	1260
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cctctcttga	tcaaaattgc	ggcacctccc	aattcgaata	atgaaagcaa	gaagcttgct	1860
ctgaatctaa	ttggtctgat	ttggcaatgg	gaacagagga	gggttaccag	cagccgtact	1920
gcatgacca	atggcatctt	ggagtcgcca	aatgccagga	agcgcaaact	tgacgatacg	1980
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accgtgcctg	agcgggtccc	cggtccagct	gctcggttcc	gagagctacc	ctcgtcaaaa	2160
ccgcagccac	agcagccgcc	catcctgact	ggcgacatga	tcaagaaagc	cgtattcttg	2220
ctcaggaatc	ttctctcaac	ctga				2244

<210> 12298

<211> 1986

<212> DNA

<213> *A.fumigatus*

<400> 12298

tcaagaaagc	cgtattcttg	ctcaggaatc	ttctctcaac	ctgagtactg	gggcgatctt	60
gatattgagt	tgtatcagaa	gatcaccgag	ccaattcttg	ccggcgaaaa	ggcagacaag	120
ccggacgaaa	agcacatcac	cagcatgatt	aatgctttgc	aggtcgttcg	tgtgcttctc	180
gcggttaagc	ccgatgaatg	gataactgct	cgcttccgc	tcgttcaaaa	attattcgag	240
aagcccttgc	gctcagacaa	tccggaaatt	caggattctc	ttcatggtgt	agaggatagc	300
atggatattt	cgcccaaact	gcccccccc	gtacgacgcg	ttcttgatgc	tttgccggaa	360
gatcaaccgg	aggaggagga	cgccatggat	gttgagaact	cgccctctga	atttgtcact	420

tacctttcgg	ccatcgcgac	agagactcct	tggcggaaca	attacatttc	gagcctcaac	480
accctctgga	cgctttcaaa	gaacaaacca	gctgagatgg	acacccatat	tctcccagtt	540
atgaaggcct	tctctcagaa	actggcgaaa	gagcatgttg	cagcatcgac	gaacaatcag	600
caagcccagt	atccaccg	agccgcaaaa	cctgcagaga	atctgcctga	tcaacaggaa	660
tatgaaattg	gggttgacct	gattcttaag	acaatcgagt	tgatctccgt	gcgcatgtct	720
cacctcggcg	agcaaagacg	tcctttcctg	agtgtacttg	cgagttgggt	ggaacggctg	780
cagaatgagg	ccctttgcac	caagatactg	aatatgggtg	aaacctggat	cttccattcc	840
accgagtcct	ggccgaccct	gaaggagaag	actgccgtct	tacacaagat	gttacttttc	900
gagactcgag	cggaccagaa	aatgctgaag	aagttcttg	atctgggtgat	caggatctac	960
gaagattcta	agatcacacg	caccgagctc	acagttaggc	tgagcatgc	attcctaate	1020
ggcactagag	cgcaggatgt	tgaatgcgt	aatcggttca	tgaacatttt	cgatcggagt	1080
ttgaccagac	tagccagctc	caggctaagc	tatgttctta	cctgccagaa	ttgggacact	1140
ctcgcggact	ctttctggct	cgctcaagcc	tcccatctca	tactgggatg	tgctgacatg	1200
acagcaccgg	ctaggcttca	ccctgaagat	ttcaccgtct	atcctctgtc	tttcttctg	1260
agcaatgctg	aaaaagacgc	aaggaaggct	gatatcatgg	tcgatattca	gttggaggct	1320
tttatctccg	atcgcaagcg	attcatagcc	gacataggcg	acgtgagaat	tcgagatttg	1380
atggaaccgc	tctgccagct	ccagcatacg	gacccaagag	tcgcctacag	tctgtggacc	1440
acattgttcc	cgatcttctg	gtctactttg	tccaggagg	accgtatcga	cttagagaag	1500
ggcatggtga	cgctcatcac	acgcgaatac	catcaaagac	agttggacaa	gaggccaaat	1560
gttgtgcaag	ctctgcttga	aggtgccgtc	aggtccaagc	ccgattttaa	agtccctcct	1620
catgtgatga	agtagctcag	tccgacttat	gacgcgtggg	acacagctgc	tagctatttg	1680
gaggaatccg	caatcagccc	aatcattgat	accccgactg	tacgtgagag	taacctggat	1740
gcgttggtag	aagtatatgc	gggtctacaa	gaagatgact	tcttctatgg	tacctggcgg	1800
cgctgatgca	agttcgttga	aaccaacgct	gccctctcat	atgaacagca	gggaatgtgg	1860
aataaggccc	agcagcttta	cgaaaatgct	cagattaagg	cacggtccgg	tgcaatgcca	1920
ttttcgcaag	gcgaatatca	tctggtcttc	acctcgagct	cgcgggaacc	gcacatagcc	1980
tatagg						1986

<210> 12299

<211> 243

<212> DNA

<213> A.fumigatus

<400> 12299

tggctgccta	caagcacgag	ggaatggatc	ccaccccgta	ctactgggtac	accgatcaga	60
gaaagtaagt	ttgcctgcc	tgctaccttc	gaattttacgt	ctaatacttg	ctctaggtac	120
ggcacatccc	ctcatgggtg	atacggcctc	ggtctcgaac	ggttcctcgc	ttgggtgtgt	180
gcccgtaca	cagtcgcaga	ctgtgtgtctg	tatccccgtt	tcaccgggtcg	ttgcacacct	240
tga						243

<210> 12300

<211> 1254

<212> DNA

<213> A.fumigatus

<400> 12300

acggaagatc	cttctttgce	caagcctggt	cgaattcgct	tggtatgtcac	cgaccagcc	60
atcgtaagc	ttggatcccc	cgaacacaaa	actgcgggta	ctcgtgtccg	tgtgttggga	120
cgagtccatc	gcctgcgcgt	ccagaaggat	gtgatttttc	tgactcttag	tgacggctac	180
ggctacttgc	agtgtgttct	gaccggaaac	ctgaccaaga	cctacgacgc	catgactctc	240
actctcgaaa	cctccatggc	catccatgga	gagatgcgcg	cggtgcctcc	caagcagcat	300
gcgccaacg	accgggaact	gcattgcggat	ttcttcaccg	tcattgggtcg	cgctgccggg	360
gacaaggagc	ccatcaccac	ccgtgtggcc	aaggacgcgc	acccccagac	cctttacgac	420
aaccgtgacc	tcgtcctccg	tggagagatc	tcctcggccg	tgatgaagggt	gcgtgccgcc	480
tgctcaagg	ctttccgtca	gggtatttgag	gagaagcgca	tgctggaagt	gacccgcct	540
gccatgggtc	agacgcaagt	cgagggtggg	agcaccctgt	tcaaattcga	ctactacggc	600

gaagacgcat	acctcaccca	atcctcccag	ctatacgtgg	aaacctgcct	gccctctgtg	660
ggtgacgttt	tctgtgtctg	cccttccttc	cgcccgaaa	agtcctcac	ccgtcgtcat	720
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aaggatcctg	aagatcgccg	cgtcaccgag	agtgtcgacg	tcctcatgcc	tggtgtcggc	1140
gagattgtcg	gcggcagtat	gagaatggac	gactgggacg	aactgatggc	tgcttacaag	1200
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<210> 12301

<211> 291

<212> DNA

<213> A.fumigatus

<400> 12301

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aactttcttg	agcagcttct	gggggtgggt	cctcatggcg	accaggaaag	cgtttctcgc	180
atgatattcg	tcattccgttc	tggggcctcc	caggagaaa	tcctcaaac	attatccgaa	240
atttcgacca	acatccgtaa	cggtcaagag	ggaaacaggg	gtaacagatg	a	291

<210> 12302

<211> 660

<212> DNA

<213> A.fumigatus

<400> 12302

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gtccattctc	atactgccgc	cgacaatctc	gccgacacca	ggcatgagga	cgtcgacact	180
ctcgggtgacg	cggcgatctt	caggatcctt	cttcatgtag	aaggccttga	tctcggcggg	240
gaaatgggtc	aggaagatgg	gctggttgat	gatgtcggtc	atcttgcgct	cggcagcttc	300
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gacccggcag	atgacctctt	cgagggtggtc	gagcaggtcg	gtgaaggtga	tgaagtcgag	540
ctctgcctcg	atgtgggtgt	actcggacaa	atgacgacgg	gtgagggact	tttcggcgcg	600
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<210> 12303

<211> 417

<212> DNA

<213> A.fumigatus

<400> 12303

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<210> 12304
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 12304
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 tttgttgata tgcaagttgt caatccccag ttcgagtggg accggaatgt gcccgtcggc 180
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<210> 12305
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 12305
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 aagcttccct atcccttgct ccaacgtggt atgccaatgc gcaactcgctc tcgtttttaga 180
 aatctttcag cgtag 195

<210> 12306
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 12306
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 agcttttggtc ctttctggat accaaaatac ctcgaccag cgcacctaatt tgatgttgca 180
 ttgaagcagt acgtctga 198

<210> 12307
 <211> 246
 <212> DNA
 <213> A.fumigatus

<400> 12307
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 ccgaaaaacc cagacgaaat gcgcgcattc cggccgtttt ccgcaggggc cccgctcgtg 180
 tccaggccgg cagatcgcg cgcagaagct tcggctcacg ctcgccaaat tcatgttctt 240
 tgttga 246

<210> 12308
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 12308
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 cccctcgttt cgttttagtga tcgtcagggc gtcgagttga atggctgaaa tatcccatgg 180
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<210> 12309

<211> 453

<212> DNA

<213> A.fumigatus

<400> 12309

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atagaagctg	gagatcgggt	gcgcgtccga	gacgatatgc	ctttgcctac	gcttgagaaa	180
caccagttct	tgatccgaac	ggaggccgtg	gtaatcaatc	ctagcgacac	caaaacgcgt	240
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tgtaggccag	aggatcacaga	ggtcaagggt	ggtgacaggg	tgtgtggagc	tcaacatgcc	360
atgaacgcca	acacacctca	tcgtggatca	ttcggagaac	acgacatttc	tagtatgatt	420
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<210> 12310

<211> 333

<212> DNA

<213> A.fumigatus

<400> 12310

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gagtccttgc	tcgagagctc	tagaagaaat	ggtatctatt	acatcctcaa	ccacagaccg	240
gacatggaac	caggagttga	ccaaggacat	ctttccagcc	tcaacccgag	agacatcgag	300
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<210> 12311

<211> 2340

<212> DNA

<213> A.fumigatus

<400> 12311

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gagcaatggc	atctgtatac	ggggcagaaa	cttgaagagg	ctcttgactt	cggtttcgca	240
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ttacagaata	aaacgaccgc	cgactctacg	gggaaggacg	gttgtagctg	gacagagaaa	360
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<210> 12312

<211> 315

<212> DNA

<213> A.fumigatus

<400> 12312

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gccaatgcga	tgaccgatca	aattgagaat	gctgcacgtg	ctggtttcaa	tgattatgtg	180
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cgccctttgc	ttcttcgtga	tcgtctgaaa	cctgatcacg	acggatcatct	gtctgatgca	300
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<210> 12313

<211> 1998

<212> DNA

<213> A.fumigatus

<400> 12313

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catttgccca	gttggaactc	cgagtcggcc	tcgtatgact	gtttcaagct	agagatagct	180
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<210> 12314

<211> 729

<212> DNA

<213> A.fumigatus

<400> 12314

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<210> 12315

<211> 354

<212> DNA

<213> A.fumigatus

<400> 12315

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tggctaagtc	atgccgtcgg	tgtgttattt	tggatcgatg	cggtctcttg	agtgatcctc	300
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<210> 12316

<211> 360

<212> DNA

<213> A.fumigatus

<400> 12316

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------------	------------	------------	------------	------------	-------------	----

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gccctgatca	ccgccacgtt	cgccattggg	aacgccttct	catgcaagcc	gattctgac	180
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attcgagcca	tcgtgttacg	gcaaattatg	tggccacaga	agggcgagga	caaggatgag	300
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<210> 12317

<211> 354

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (207)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12317

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acaggccttt	tttttttttt	ttttttnaaa	tgtcttggct	tctcctctc	tactttttac	240
tggataccta	agggacatto	tgattttatc	tcgcacaaaa	atccctctga	agctgttgcc	300
cgctcattga	tcttcttcta	tcgagaattt	acccttccac	gattccttct	ttga	354

<210> 12318

<211> 684

<212> DNA

<213> A.fumigatus

<400> 12318

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ggccataatg	tacgagctca	gatccattcc	ctcaagggga	tcatagcgga	ggagctgcag	180
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tggttagacg	ctgaacacga	cgtggggcct	gcgctgcttc	agattttcaa	ggacggggccc	660
aagaagtggc	acggtcatcg	gtag				684

<210> 12319

<211> 276

<212> DNA

<213> A.fumigatus

<400> 12319

acacgacgtg	gggcctgcgc	tgcttcagat	tttcaaggac	gggccaaga	agtggcacgg	60
tcateggtag	gttccccgag	aggaataccc	cggtcatgga	agacagttgc	tgatggttct	120
ctgtcgcaca	ggatcgccct	tacattcgag	accttatcgc	ccaaccaggt	gtgcgcagct	180
ttctcgcgcg	ccttgaatcg	tccatgtcgt	tacgtgcatg	tccccaaaat	tgaaatcaaa	240
gtcaacatcc	ccgccggata	ccgggaacag	ctctaa			276

<210> 12320

<211> 510
 <212> DNA
 <213> A.fumigatus

<400> 12320
 tcaacatcgt ccacggctct gccaaagaccg ttgacttcat cctcgacgag ccagccatta 60
 aagctatcag ttttgttggg agcaaccgtg caggtaaata catctacacc cggggctctg 120
 cccaatggta agcgtgtcca ggccaacctg ggtgcgaaga accatgctgc ggtgctgccg 180
 aactgcaaca agaaccagac cctgaacgcc atcgtcggtg ctgccttcgg cgccgctgga 240
 caactgtgca tggccctgag cacagtgtgc atgggtggag aaaccaaaga atggcttccc 300
 gagatggcgg agcgagccaa ggctctcaac gtcaacggcg gtttcgaaaa gggtgccgat 360
 ctcgccctg tcatcagccc cgagagcaag aagcgcacg aagacttgat cgccagtgtc 420
 gaacaggagg gtgccaccat ctttctggat ggcaggggct ataagcctga gaagtatccc 480
 aacggcaact ttgtaagctt accctcctaa 510

<210> 12321
 <211> 435
 <212> DNA
 <213> A.fumigatus

<400> 12321
 tcctttcagc cgcgtgggtga gcatggctgg cgggcaacca gcattatcgc caggcagcag 60
 atcatgttca agtttgtcaa cctcatccgt gccaaactggg accgtctcgc agcgtccatc 120
 accctcgagc agggcaagac ctttgtctgat gccaaaggtg acgtccttcg cggtttgcaa 180
 gttgcagaga ccgcttgtgg catcaccacc caattgaccg gtgaggtcct cgaagtggcc 240
 aaggatatgg agactagaag ctacaggag cccctgggag tcgttgccgc tatttgccct 300
 ttcagtaagt ccttgccctc catcgcttgt ccggtggatc cctcccgttc tttctccgtg 360
 actaaccgct ccaccgtag acttccccgc aatgatccct ctttgggtgca ttcctatcgc 420
 tacgattacc ggtaa 435

<210> 12322
 <211> 366
 <212> DNA
 <213> A.fumigatus

<400> 12322
 gtcggcccaa ctatcatcac caacgtgacg cctgacatga aatgctacaa ggaggaaatc 60
 ttcggccctg tctcatctg cctcaacgtc cccacgtgg acgacgccat tgaactcatc 120
 aacaagaacg agtatggtaa cggagccgcc gtcttcactt gctccggctc gaccgcctcg 180
 cgcttccaga aggacattga ggccggccag gtccgcatca atgtcccat ccccgctccc 240
 ctacccatgt tctccttcac cggcaacaag aagagtattg ccggtggcgg tgcccaacac 300
 cttttacggc aagcccggcc tgcaattcta caccagcag aagaccgtga ccagcctgtg 360
 gcgtag 366

<210> 12323
 <211> 297
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (127)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12323
 ctaaccgctc caccgtaga cttccccgca atgacccctc tttggtgcat tcctatcgct 60

acgattaccg	gtaactgcat	catcctgaag	ccttcggagc	gggacccccg	agctgccatg	120
atactanccg	agctggcccc	ggaggccggc	tttcctccgg	gtgtgatcaa	catcgtccac	180
ggctctgcc	agaccgttga	cttcacctc	gacgagccag	ccattaaagc	tatcagtttt	240
gttggttagc	accgtgcagg	taaatacatc	tacacccggg	gctctgcccc	atggtaa	297

<210> 12324

<211> 378

<212> DNA

<213> A.fumigatus

<400> 12324

aatgctacaa	ggaggaaatc	ttcggccctg	tcctcatctg	cctcaacgtc	cccacgctgg	60
acgacgccat	tgaactcatc	aacaagaacg	agtatggtaa	cggagccgcc	gtcttcactt	120
gctccggctc	gaccgcctcg	cgcttcacga	aggacattga	ggccggccag	gtcggcatca	180
atgtccccat	ccccgtcccc	ctacccatgt	tctccttcac	cggcaacaag	aagagtattg	240
ccggtggcgg	tgccccaacac	cttttacggc	aagcccggcc	tgcaattcta	caccagcag	300
aagaccgtga	ccagcctgtg	gcgtagttaa	gatgccataa	gcaccaaggc	ccacgttgtg	360
atgccacgc	attcttga					378

<210> 12325

<211> 270

<212> DNA

<213> A.fumigatus

<400> 12325

ttgccagac	agacacatga	aagtcattgt	gaccactgtc	ccccgggaca	gccttatttt	60
aatacgcatt	cctctccctc	ttccaagtgt	caaaaagata	atcaatcatt	cttcccttcc	120
ctcgataact	gcaagcgctt	cgaatccatc	cctatcctat	catctaccat	ctactacccc	180
tcaaagtcca	tcatggccgc	ccccgcagac	gtcactatca	agaacctcag	tggagagtgg	240
acaatggtat	gggttgtact	caagttctaa				270

<210> 12326

<211> 432

<212> DNA

<213> A.fumigatus

<400> 12326

gcttacaaag	ttgccgttgg	gatacttctc	aggcttatag	cccctgccat	ccagaaggat	60
gggtggcacc	tcctgttcag	cactggcgat	caagtcttcg	atgcgcttct	tgctctcggg	120
gctgatgaca	gggccgagat	cggcaccctt	ttcgaaaccg	ccgttgacgt	tgagagcctt	180
ggctcgctcc	gccatctcgg	gaagccattc	tttggtttct	ccaacctatga	caactgtgct	240
cagggccatg	cacagttgtc	cagcggcgcc	gaaggcagca	ccgacgatgg	cgttcagggt	300
ctgggttctt	ttgcagttcg	gcagcaccgc	agcatgggtc	ttcgcaccca	ggttggcctg	360
gacacgctta	ccattgggca	gagccccggg	tgtagatgta	tttacctgca	cggttgctac	420
caacaaaact	ga					432

<210> 12327

<211> 618

<212> DNA

<213> A.fumigatus

<400> 12327

agccatatcc	cctgggtctct	cgagcttcat	tgcataacct	atctcggatc	atttcattgc	60
cattccatgt	ttactgataa	cctcgttcag	caaggattata	gctgggtcac	tcgcaaagct	120
atctcatacg	ccactgtcac	cctaattatc	aaggagtacg	ccgactcgga	agatgcgaag	180
gtcatgcaca	togatatcga	tcaggtcttg	acaggaggca	tcaagggcac	tagcgagaag	240

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cgccacaccg attgggcgga gcgcgaccac aaggaccaca tttttggcaa cctcaaggga      300
cggtcgcggc tgatccgtgg ctccaagggc gatgatggca aagttcggcc tgccgtcgag      360
atcaaacacca agatcgatga cccaaggtg aagcagttcc tgcggggcga aattcttata      420
gatggtagcc cgtgcgaggg tttcctcgtg gacagtgagg gtgaggagta tggtaggggc      480
gaagggctct tcctgcagag cttcgtcgtt aaccaggacg atggagctgg ctggaccgca      540
gaacaggttc gtatattcga cagtttgccg gggggggtcgg cgacagatgc taacctttgt      600
atagatctgg ggctttga                                     618

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<210> 12328

<211> 501

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (498)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12328

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cccctgccat ccagaaggat ggtggcacc cctctgtcag cactggcgat caagtcttcg      60
atgcgcttct tgctctcggg gctgatgaca gggccgagat cggcaccctt ttcgaaaccg      120
ccgttgacgt tgagagcctt ggctcgtcc gccatctcgg gaagccattc tttggtttct      180
ccaaccatga caactgtgct cagggccatg cacagttgtc cagcggcgcc gaaggcagca      240
ccgacgatgg cgttcagggt ctggttcttg ttgcagttcg gcagcaccgc agcatggttc      300
ttcgcaccca ggttggcctg gacacgctta ccattgggca gagccccggg tgtagatgta      360
tttacctgca cggttgctac caacaaaact gatagcttta atggctggct cgtcgaggat      420
gaagtcaacg gtcttggcag agccgtggac gatgttgatc acaccggag gaaagccggc      480
ctcccggggc agtccgnta g                                     501

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<210> 12329

<211> 417

<212> DNA

<213> A.fumigatus

<400> 12329

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ggggacgggg atggggacat tgatgccgac ctggccggcc tcaatgtcct tctggaagcg      60
cgaggcggtc gagccggagc aagtgaagac ggcggctccg ttaccatact cgttcttgtt      120
gatgagttca atggcgtcgt ccagcgtggg gacgttgagg cagatgagga cagggccgaa      180
gatttcctcc ttgtagcatt tcatgtcagg cgtcacgttg gtgatgatag ttgggcccgc      240
ctacgcgggc gatgggttag tgaaggcgag gcggaaaggg ttaggagggg aagcttacia      300
agttgcggtt gggatacttc tcaggcttat agcccctgcc atccagaagg atggtggcac      360
cctcctgttc agcactggcg atcaagtctt cgatgcgctt cttgctctcg gggctga      417

```

<210> 12330

<211> 630

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (143)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12330

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atgtatttac ctgcacgggt gctaccaaca aaactgatag cttaaatggc tggctcgtcg      60
aggatgaagt caacgggtctt ggcagagccg tggacgatgt tgatcacacc cggaggaaag      120

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cgggcctccc	gggccagctc	cgntagtata	atggcagctc	cgggggtccc	ctccgaaggc	180
ttcaggatga	tgcagttacc	ggtaatcgta	gcgataggaa	tgcaccaaag	agggatcatt	240
gcggggaagt	ctacgggtgg	agcggttagt	cacggagaaa	gaacgggagg	gatccaccgg	300
acaagcgatg	gaaggcaagg	acttactgaa	agggcaaata	gccgcaacga	ctcccagggg	360
ctccctgtag	cttctagtct	ccatatcctt	ggccacttcg	aggacctcac	cgggtcaattg	420
ggtggtgatg	ccacaagcgg	tctctgcaac	ttgcaaaccg	cgaaggacgt	cacccttggc	480
atcagcaaag	gtcttgccct	gctcgagggt	gatggacgct	gcgagacggg	cccagttggc	540
acggatgagg	ttgacaaact	tgaacatgat	ctgctgcctg	gcgataatgc	tggttgcccg	600
ccagccatgc	tcaccacgcg	gctgaaagga				630

<210> 12331

<211> 225

<212> DNA

<213> A.fumigatus

<400> 12331

cattctttgt	cctcatggag	tacagtttta	tctactgtga	cttattttctt	cgggtctccgc	60
actgtattag	gagctcagcc	gagggcacag	ttatatccgg	ttacttataa	ctataacacg	120
tccatacctg	ccttgctgtc	tcataatgtg	cctctctcct	ggattactgc	atgtacaccg	180
aaccctgcta	agatactaca	attcctgagt	agtctactcg	attaa		225

<210> 12332

<211> 1176

<212> DNA

<213> A.fumigatus

<400> 12332

acaagcacgt	atctactccc	tgcagtatcc	aatccatcgg	gactaacgca	ttgtagcttc	60
ccgtacttcg	aggaggaacc	cgcccgcctc	accgcaacgc	tccaggccta	ccacgcattc	120
aaagtccaag	gcgtcgatgc	aactctcggc	tacatcccaa	acaccctggt	acagagcatc	180
ccctggccca	aagaacattg	gatgatcgac	tccagggcaa	tcgtcctact	cagccccccg	240
ggcaatgcag	cgtccacacg	cacccaagtc	atccacagcg	cgatccacag	gatgattgaa	300
gccgggtata	ccgacgtcct	caaaggctgg	cgcaacgaga	gattccccgt	ctaccggccc	360
gacggcggcg	tgatcctgga	gatcgaaacg	tccgcgagcg	cactattcgg	cattgtaacg	420
agcggcgtgc	agatgctttg	ttacgtcaag	gatgcgaaga	atggcatccg	cctgtggatt	480
gcgaaacgct	cgatgcggaa	gcagacctac	cctgggtatgt	tggactgcac	tgccgccggg	540
gccctgagcg	caggagagtc	gccgcaaagc	gccatgatcc	tcgaggcgac	ggacgaggcg	600
tcgctcgcgc	gggagatcat	cgagagtggc	atgaaatacg	tcgggactat	ctcctatttc	660
cacatgaaag	actcgtctct	tgcgtcgagc	gaggggtcct	cgacggcggt	tctgctcccc	720
gaggtcgaat	acctgtatga	gctgccgctg	gacgaaggga	ctgttccgcg	gccgagggat	780
tccgaggtcg	aagattttcg	gctttggaat	gtggaccagg	tggttgacgc	cttgggcagg	840
ggaagcttca	aaccgaatag	tgcggttggt	gtcattgact	ttttcattcg	ccacgggtgc	900
attacaccag	agacggagcc	aatgtatgat	gagattataa	ggagactgca	tcgagaactg	960
ccgtttccta	cagcacactg	gtgcactggg	gcctgtggaa	gacaggcaaa	acccgattca	1020
tgcattgccta	gcagaatctt	atgccctcta	aggtgggggac	acaagtcaat	ccatctaggg	1080
aatagtttac	caggattatg	cactaaaaca	accccaaatac	cgagcaaaaag	gactatgttt	1140
gaccgcctta	ccaagaaaca	acaggcccac	cacata			1176

<210> 12333

<211> 225

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (13)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12333

atcttgggac	gtncatgatct	agctcgaata	agtacggaat	ggaagactcg	tggatgggat	60
ggaattgtcg	aggcgtattc	tttctctttg	gaccctatta	tgggtttgct	tctagcattc	120
tttgtcctca	tggagtacag	ttttatctac	tgtgacttat	ttcttcggtc	tccgcactgt	180
attaggagct	cagccgaggg	cacagttata	tccggttact	tataa		225

<210> 12334

<211> 297

<212> DNA

<213> A.fumigatus

<400> 12334

tccatcaaca	ggcgttcctt	ccgaagtgtc	agatgcctta	tcattggtggc	cactggcgctc	60
tcggctcgtg	gacttgacat	caagaacggt	atgcacgtcg	tcaatttcga	tttgccgagt	120
gccgcccatg	gtggcatcac	tgagtatat	catcgtattg	gtgagcatat	cggctacgta	180
cactatcttg	gtctgccagc	taacgggtcca	caggacgtac	tgacgcatt	ggcaacgaag	240
gccttgcaac	ctcctttttac	aatgacaaaa	actccgatat	cgcccccgac	ctcgtga	297

<210> 12335

<211> 237

<212> DNA

<213> A.fumigatus

<400> 12335

agagcgtcct	caccagtc	agaacgtaag	ttgttgccgt	ccctagttat	gatatatccg	60
tactcagtat	tcgacgactc	caagtttgac	gacgctgggc	tccatcctat	tatgcgcgag	120
aacattcgtc	tatgcaacta	tgagggtccca	acgcctatcc	aggcctacgc	cattcctgct	180
gttcttaccg	gtcatgatct	gattgccatt	gcccagacgg	gtgagtatga	gagctga	237

<210> 12336

<211> 405

<212> DNA

<213> A.fumigatus

<400> 12336

taccctcgt	ctaacacgac	taacaaaacc	aacgagttag	gttctggtaa	aacggcagct	60
tttctgattc	ctgtgctttc	ccagcttatg	ggcaaggcca	aaaagctagc	agcccccgct	120
cctaacttgg	ccaacggctt	tgatccttca	gtcgatgctg	ttcgtgccga	gccactggtg	180
cttatcgttg	caccaaccag	agaattatcc	actcagattt	tcgacgaggc	tcgtcgtcta	240
tgctatcgct	ctatgttgcg	ccctgcgtc	gtttacggtg	gcgctcccgt	gcgtgagcag	300
cgtgaggagc	tccagaaggg	ctgtgacatt	ctcatcggtc	ctccaggcag	actgctggac	360
tttatggaca	agcctcatgt	cctttctctt	cgccgggtca	agtaa		405

<210> 12337

<211> 198

<212> DNA

<213> A.fumigatus

<400> 12337

atcatctatg	ccgaggatca	ccttaaaaag	caatgccttt	acgaccttct	tctggcaatg	60
ccgccatcgc	ggaccttgat	ctttgtcaac	acgaaaattc	aggccgattt	tctcgatgat	120
tttctataca	acatgggtct	tccgagcacc	tctatccatt	ccgatcggac	tcagcgtgaa	180
cgtgaggatg	ctctgtga					198

<210> 12338

<211> 294

<212> DNA

<213> A.fumigatus

<400> 12338

ctgccagaag	acgtgaacga	ggatgcagat	catcgttaca	tgatgttctc	tgcaaccttc	60
aaccgcgaat	gtcgtcgttt	ggcccgc aaa	ttccttgccg	aagaccatgt	tcgtatccgc	120
attggacgcc	ctggcagcac	ccacataaac	gtcgcacaga	ccgtaagcaa	attgaaggcc	180
caaagcgagc	cggaagcgat	actaaaaatg	tatagatcat	ctatgccgag	gatcacctta	240
aaaagcaatg	cctttacgac	cttcttcttg	caatgccgcc	atcgccgacc	ttga	294

<210> 12339

<211> 309

<212> DNA

<213> A.fumigatus

<400> 12339

cgggccacag	gacgtactgc	acgcattggc	aacgaaggcc	ttgcaacctc	cttttacaat	60
gacaaaaact	ccgatatcgc	ccccgacctc	gtgaagatct	tgattgaaac	cggccagaag	120
gtccccgatt	tccttgagtc	ctataaacct	gccgatgacg	tggtgaagtt	cgacgacgat	180
acagatgacg	aggctgccga	tggcgacgac	aacgtaatca	ccaataatga	tgatgctgga	240
actgtctgga	gtggcatccc	catggaatca	tccagcgacg	atgccctgt	ctctaccgac	300
tgggagtga						309

<210> 12340

<211> 645

<212> DNA

<213> A.fumigatus

<400> 12340

ttcagctatt	actcccacac	ctcgcaagac	tcatatacta	cgttcatgtt	gactcagaaa	60
gagatgcgca	acgatggagc	ctctcgtgca	tctattctga	tgaagactgg	cgcttgcgtg	120
ggcgggtacaa	tcattggata	cctgtcgcaa	tttgttggac	ggcgccgagc	tatcattatt	180
tctgccctgt	gctctggcat	ccttattcct	gcttggtatc	tcccacaagg	cgaacgagct	240
ctgagcgcaa	ccggcttctt	catgcagttc	ttcgttcaag	gtgcctgggg	tgtcattcct	300
attcatttga	atgagcttcc	tccaaccgcg	ttccgttctt	ccttcccagg	tttgtacctc	360
gtaccatacc	gacgtggag	aatcctcact	aacgtgcaaa	ggtatcacat	accaagtagg	420
aaacatgata	tcctcgccct	ccgcccagat	tgtcaacgcc	attgccgaga	aaaccatgat	480
caccgctcca	tctggtcagc	gggttcctgc	gtatggccct	gtcatgggag	ttgccacggc	540
catcattgcg	atgggtatcg	tggttactac	ggcatttggg	ccggagaagc	gtggtcgtcg	600
gttcgagact	gccgttgccg	gcctccagtc	agccagggtca	gataa		645

<210> 12341

<211> 408

<212> DNA

<213> A.fumigatus

<400> 12341

atgagctttc	tcaccccgcg	ttccgttctt	ccttcccagg	tttgtacctc	gtaccatacc	60
gatcgtggag	aatcctcact	aacgtgcaaa	ggtatcacat	accaagtagg	aaacatgata	120
tcctcgccct	ccgcccagat	tgtcaacgcc	attgccgaga	aaaccatgat	caccgctcca	180
tctggtcagc	gggttcctgc	gtatggccct	gtcatgggag	ttgccacggc	catcattgcg	240
atgggtatcg	tggttactac	ggcatttggg	ccggagaagc	gtggtcgtcg	gttcgagact	300
gccgttgccg	gcctccagtc	agccagggtca	gataaggaaa	tcgatcttga	agaggggtcg	360
gatgacaagg	cagccgagag	gagagtggag	gaagttggga	aactttga		408

<210> 12342
 <211> 315
 <212> DNA
 <213> A.fumigatus

<400> 12342
 gtcgagataa gtgagatcac atctcacctc agtagtttct atcaaaactc aaaaatcctc 60
 cctggacaaa caaccaacat ggacgcaaag acgacaatca tcatcagggc agtcggtata 120
 ccactcgctt tctctcatctt catctcactc attatcgcaa tctttatcct caaatgtcgt 180
 atggatcgca agaaagatga acgagagaat ctcaactact ccttcgctgc ctatgagcaa 240
 tggcagactc ccaaccagcc tcacaaccaa aaaatggatg ctgctcagca ctctcacaat 300
 tcaatggccc gatga 315

<210> 12343
 <211> 291
 <212> DNA
 <213> A.fumigatus

<400> 12343
 tacggatcca catgccatt tacagcgcca aagaccatga ttccaccaat cagactatct 60
 gtcagaagat gtgatatgtt caaagggttcg tcaattagtt cccaagtcac gcatccgctg 120
 caggtcctca caccgaacgg ctctgctcgg cccaactgca acgagacggt cgagacctgc 180
 atgcagtggg tgggaatctt tgggtataag tatgacgctc taaagagtgt cgtagagaat 240
 acacccgacg acaagtatga aaaccatttg aggggtgacaa gttgcaagtg a 291

<210> 12344
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 12344
 ggtttaattc attatctaaa ggaaattggc ttgcgtacaa actcttcgtt tctagctact 60
 atccttgccg tgggtgcatgg atctaattgt agacgcaagg gaggcagaat attgcatatg 120
 atagatggat atggcttcga caacaacaag gccaaccta tgcaagtatc tgccggatct 180
 gccactacca aactgaatat gctgctgagg actcgctttt ga 222

<210> 12345
 <211> 765
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (652), (732)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12345
 gtagegaacg cgatcaactt cacgcaagaa acatgggcca acgacatcgc cgccgcgcag 60
 gccgcgcaca tcgacgcctt cgccctgaac ctcggtacg gcctgcacaa ctacgacctc 120
 atcctcaatg acgccttcac cgtcgccac cggcacaact tcaagatgtt cctctccttc 180
 gacatgggccc agggccccca atggcccgtc gacgagatcg tccacctcat cgacaactac 240
 gccaccggcg gcgcatactt caagcatcac gacgacaagc cgctcgtctc gaccttcgag 300
 ggcgccagga acgcccagct ctggaaggac gtcaggcata atgcgcagtc ggacttcttc 360
 ttcattcccc actggctctc gctcgggcat gaagccgcat ccagcagccc cgctcgtcgc 420
 ggccatgatga gctggcatgc ttggcccggc ggcgcacacg acatgaacac cacgctggac 480

gaagagtaca	tcgctgctgct	ggacggggcgg	ccgtacatca	tgcccgtctc	gccgtgggttc	540
tacacgaacc	tgccgggtgtt	ccacaagaac	tgggcctggc	gcggggacaa	cctctgggttc	600
gaccgctggc	agcagggtgct	cgaactggcg	cccaggtatg	tggagatcat	cnactggaac	660
gactacggcg	agtcgcacta	catcggtccc	atgcaccaag	aagacctggg	gattttttgcc	720
gtgggggaat	cnccttcaa	ctatgccgaa	ggggatgccg	cttga		765

<210> 12346

<211> 417

<212> DNA

<213> A.fumigatus

<400> 12346

taccagctca	tccggctcgg	ccgacacggg	taccgctcca	tcatgcagaa	cctcaccgcg	60
accgcagacc	atctcgccac	ggagctgcag	aaactcaact	tcaccatcat	gagcgatggg	120
gcaggcagcg	gcctcccaact	cgctgcctac	cggctcccac	ccgacgagaa	tagactctgg	180
gatgaatatg	cgctggcgca	tgtcctccgc	cagcgcggtg	gggtgatacc	cgcgtaacg	240
atggcaccgc	atagcaaccg	gctcaagatg	atgcggatcg	tgctccggga	ggactttagt	300
atggatcggt	gtgatgtgtt	aattgaggat	atgaagatgg	caatgaagtc	gctggaggag	360
atggatcggg	cgatgatcga	gcagtatatt	cggtatggcc	tgctgctcac	tgactga	417

<210> 12347

<211> 735

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (7)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12347

agtgaanaca	gccgcggcat	caacatgatc	gcggaacctct	ttcacgctcc	gactgctgac	60
ggggcgggcg	tccaagacgc	catttgaaca	tccaccgtcg	gatcctcgga	ggggattatg	120
ttagccatgc	tggcgatgaa	gaagaggtgg	cagaaccgcc	gcagggccga	gggcaaggac	180
agcacgcacc	cgaacatcgt	gatgaatagc	gcgggtgcagg	tgtgctggga	gaaagcagcg	240
cggtatttcg	atgtcgagga	gaaatatgtc	tactgcacgg	agacgcggta	tgtgattgat	300
ccggaagaag	cggtcgacct	ggtggacgag	aataccattg	gcatttgtgc	gatcttgggg	360
accacgtaca	cgggccagta	cgaggacgtc	aaagccatca	acgacctgtt	gatccacaag	420
aagatcgatt	gtccgatcca	tgtagacgcc	gcgagcggcg	ggttcgtcgc	gccgttcgtg	480
aaccctgacc	taaaatggga	ttttcagctg	cccaaagtgg	tgtcgatcaa	tgtatccggc	540
cacaagtacg	gcctggtagg	tacaactccc	gagtcgccag	acgtccctaa	cagacctagg	600
tctaccccg	cgctggctgg	gtattctggc	gctcagccga	gtacctccct	aaagaactca	660
tcttcaacgt	caactacctc	ggcaccgagc	aagcaacgtt	tacgctcaac	ttctccaagg	720
gcgcctccaa	cataa					735

<210> 12348

<211> 873

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (545), (668), (792)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12348

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gccattgaca tatcagacgc cgcgtgcgat atctggactg caactgactt caggccaggt      60
atgccttgga atgatcagct cctcacggta gcagcaggcc gatcactgca aagccgcccc      120
cgagaccgac tgcgactcca tggcagcgac catctgcctc gggtcgacgt cctgggtccc      180
tgctgcggag agccgacgga tgtagtctct gacacgggtc gggcagcctg cactatggac      240
tatcccgta ctcatttccg ggctctctct ctggacgatg gggcctctcc tgcgtgcgt      300
gacgccgttg cagggctacg ctcccaatgg ccgcacctgt cttaccacac gcgcgggcag      360
cactccggcc gtgtctttgc caaagccgga aatctcaact acgcgtctct ctcttgcag      420
aacgagggtt agcccgagtt ttgtgccgtt ttggatgctg actgcatgcc cgcggcgac      480
tttctgcgag ccacgctgcc tcatctgctg aaggatccgc aggtgctct gctcacgacg      540
aggnatact actataatct gcccgatggt gaccctctgc aacagtctcg tgtgcacttc      600
tacacctggc acaattccga gctcgaccgc atgggcgctt gcacgacgc aggatctggg      660
gcgctctntc cggcggaagg caatcgctga tgtggggcgc tatccccacc ttccctctct      720
tcggagaatg ggaactcctc gtggatgttt cgggcctttg ggtttccac gattactggt      780
tctgaaaccg tngcaattgg gggtcggtcc ccccttccct ggaaggaact ttcgccccaa      840
ccaaaccgaa gggcaattgg gccctcccaa aca

```

<210> 12349

<211> 1065

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (744), (805)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12349

```

aattttattc actttctgtc gtccttgtg tcccgggtcc tcgcgcattc catttgcacc      60
atgtatttta ccacattgct cagtgccttc agcctgatgg ctgctgccgc atctgctctg      120
ccccatcagc tatcttctcg cgcgtccggt gcccagaacg ttgtgtactg gggccagaac      180
ggcgggtgga cgcgtcgagaa caatgacctg gcgtcctact gcacgtcgac ctctggcatc      240
gatatcatag tcctgtcctt cctgtatcag tacggaaatg gcaacaccat tgctccggc      300
accatcggcc agtcctgcta tatttctccc tctggacagc cccagaactg cgatgctctg      360
gcctctgcca tcaagacctg ccaatccagg ggcgtgaagg tcattctgtc tctcggaggc      420
gccgtcggcg cctattctct ttctctccag gccgaggccg agacgatcgg ccaaaacctt      480
tgggaggcct acggcaatac ccaaggcaat ggaaatgtgc cccgacctt tgggaagcact      540
tttgtcaacg gctgggactt tgacattgag agctactcgg gaaacgaata ctaccagtac      600
ctgatcaaca agctgcgctc caactttgct tcggatcctt ccaaccagta ctacatcacc      660
ggtgcgccac agtgccgat ccccgagccc aacatgcagg tcattgtcac caaggcgcag      720
tttgactatc tctgggtgca attntacaac aaccccggtt gtcctgtcaa cgggtcccatc      780
aactacgacc aatgggtctc caacntggcc aacaccccct ccgccaacgc gaagatcttt      840
atcggcgctc ctgcttcgcc gctgggcgcg acgggaacgt ctagtgggtg gcagtactat      900
ctccagccca gcgctctggc ctccctcgtg gccgagtaca aggacaaccg ggccttcgga      960
ggcgtcatga tgtgggtccg cggttttctg gacgccaacg tcaacaacgg atgcacttat      1020
gccaggaag cgaagcgcat cctgactacc gggctctcctt gttag

```

<210> 12350

<211> 261

<212> DNA

<213> A.fumigatus

<400> 12350

```

aacctgacaa gacaatccaa actggccttt atcaacacgg agtacatcct aacccttgat      60
acagccaatt gcagcaagcg tagacttcgt gataaacaat gctgtcgtac gtatgctgat      120
agcaagctca attgggtggac tggttctcgc tacgagcccc tgccgtcgag gatcaccaac      180
actacagcac atactaagca gggatcacia gaactaagct acctacatat caaggccaag      240

```

ggacggaaac cggactctta g

261

<210> 12351

<211> 375

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (165), (269), (344)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12351

cgagaatttt	ttccagctca	aatcactctc	ccacaaatcg	atcgagtttg	cagcgtcaat	60
aacatgtcca	tgaaggcttt	ctttcgtcga	ggagcgcttt	caacgctcgc	gcgacgcgcc	120
cctgtaaccc	tacggctcct	cccgcggaag	gggctcacta	cacancaaga	agagatcgtc	180
aagtcaacaa	ttcccgcact	acaagagcat	ggggtcacta	tcaccaccct	cttctacaaa	240
cggtcgcttg	atgcgcaccc	cgagcttana	aacattttca	acaccggcca	tcatgcaact	300
ggcgagccac	ccggcaaccc	tggcgcacgc	tgtgtgggcg	tacncatccc	aaatcgaaca	360
acccgatgcc	cttga					375

<210> 12352

<211> 549

<212> DNA

<213> A.fumigatus

<400> 12352

cgctcttctt	gcccggtttc	attggcattt	ttcaacggcg	tcgcgtcagt	cacccgactc	60
aaatgggctt	ttgcccgcga	cgagggcctt	cccttctcca	gtttcttcgc	gtacatctcc	120
ccccgcata	agatcccgc	gcgcgcgctg	ttcctcgtcg	ctatgatcac	cgctctcctg	180
gcgctgatca	acatcggctc	caccaccgcg	tttaacgcgc	tcctgtccct	caccactctg	240
gggcagtaca	tctcatacct	gattccagtg	atcttctcgc	tcatcaagcg	tctgcgtgcc	300
ccgcaggaga	tcgggtgggg	ttcggtccgt	ctgggtcatt	ggggagtccc	cattaatgtc	360
tttgcgattg	tgtatggagt	gtatattgct	atatttcttc	cctttccgcc	gaattaccct	420
gttacggccc	agaatatgaa	ttacgcggcc	ccgggtgttt	tggctgcgtt	ggtctttgca	480
actggggact	ggattgtccg	aggacggaca	cgctggcagg	ggccaatggt	taaggtgcga	540
gcgagtag						549

<210> 12353

<211> 612

<212> DNA

<213> A.fumigatus

<400> 12353

ggattacagg	agagcggctc	ccgcaatcag	accagcgaca	gcacccacgc	cggcggttcag	60
acgggacgcg	gcgccgggtga	acagagggga	ggaagggtcg	gcggtggagg	agcccagagg	120
cgatgggggtg	ccgcttggag	aggtgaccgt	gggctgggtg	gggatgacgg	gcttggaagt	180
agtggccggg	gtcgaagccg	aagtgggaagt	ggaagtggag	gtggaagtag	aggtggtctc	240
ctcggtgggtg	gtggtagtaa	taggcgccgc	ggtctcggtg	tgagtgtttg	tcagagtgtt	300
ggtaacagtg	ttggtccacg	tgttgggtgat	ggtatcggtc	agcgttccc	tcagggtacc	360
gccagggtcca	gtacagatct	ccccgatggg	gcagcagcca	tcgtcgggtg	agtacgtgcc	420
tggctcgcag	ccgcccctcac	cgatagcgca	gcagctgtag	gtgacgggaa	tgcaggacga	480
cttgcaagtc	ttgtaaccag	ggtgcgattc	gcagctggag	acctggcgag	caataaggcc	540
attgtggcct	gcccgaagg	cgacagtggc	caggagagaa	gcagtcagaa	gcttgtacat	600
tgtaaagatt	ga					612

<210> 12354
 <211> 453
 <212> DNA
 <213> *A.fumigatus*

<400> 12354
 gggcggtgc gagccaggca cgtactgcac cgacgatggc tgctgcccc tgggggagat 60
 ctgtactgga cctggcggtta ccttgacggg aacgctgacc gataccatca ccaacacgtg 120
 gaccaacact gttaccaaca ctctgacaaa cactcacacc gagaccgcgg cgccctattac 180
 taccaccacc accgaggaga ccacctctac ttccacctcc acttccactt ccacttcggc 240
 ttgcaccccg gccactactt ccaagcccggt catccccacc cagcccacgg tcacctctcc 300
 aagcggcacc ccacgcgcct cgggctcctc caccgccagc ccttcctccc ctctgttcac 360
 cggcgccgcg tcccgtctga acgcccggcg ggggtgctgtc gctgggtctga ttgccccgagc 420
 cgctctcctg taatcctcac gcgtgcgcgg tga 453

<210> 12355
 <211> 621
 <212> DNA
 <213> *A.fumigatus*

<400> 12355
 tcctttatta ttccaatctt tacaatgtac aagcttctga ctgcttctct cctggccact 60
 gtgcgccttg cggcaggcca caatggcctt attgctcgcc aggtctccag ctgcgaatcg 120
 caccctgggtt acaagacctg caagtcgtcc tgcattcccg tcacctacag ctgctgcgct 180
 atcgggtgagg ggcggtgcga gccaggcacg tactgcaccg acgatggctg ctgccccatc 240
 ggggagatct gtactggacc tggcggtacc ctgacgggaa cgctgaccga taccatcacc 300
 aacacgtgga ccaacactgt taccaacact ctgacaaaaca ctcacaccga gaccgcggcg 360
 cctattacta ccaccaccac cgaggagacc acctctactt ccacctccac ttccacttcc 420
 acttcggctt cgaccccggc cactacttcc aagcccgtca tccccaccca gccacgggtc 480
 acctctccaa gcggcacccc atcgccctcg ggctcctcca ccgccagccc ttctctccct 540
 ctgttcaccg ggcgcgcgct ccgtctgaac gccggcggtg gtgctgtcgc tgggtctgatt 600
 gcgggagccg ctctcctgta a 621

<210> 12356
 <211> 564
 <212> DNA
 <213> *A.fumigatus*

<400> 12356
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 gggccagtcc atcaccagat ggatagtaca gagggtggg cggcacattg tgatcacaag 120
 ccggtgcgaa cagacacgtc tgtgatgtgg ataagtactg acagtaatag caatcccgac 180
 aaggacgac tctggacaaa agagctagaa cagcgcggtg ctcacattga gatcatggcc 240
 gctgatgtga ccaagaagca agaaatgatc aacgtccgca accagatcct aagtgtatg 300
 ccccccatcg gaggcgtggc aaacggtgca atgcttcagt cgaattgttt cttctctgat 360
 ctgacgtacg aggccttaca ggatgtcctg aagcccaagg tggatgggtc gctgggttctc 420
 gatgaggtct tctctagtga tgacctcgac ttttttctgt tgttctcgtc catctcggcg 480
 gtggttgggc agccattcca agcaactac gatgcggcga ataacgttaa gtttggccaa 540
 tctgcgcgag tgccgacctc ctga 564

<210> 12357
 <211> 1788
 <212> DNA
 <213> *A.fumigatus*

<400> 12357

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aattcatccg ttggcatcaa tacgccagcc tcggtaacta tcgatacgca cctacatgaa 180
tttactgcag ggcataaagc agatttaccc atgatcaaag gagacgtcag cgtctacagc 240
tcagaggctg ggcagttgcg gatacgcttc gaaggcctca cgatgagccc catagcgccc 300
tctaccgaga agcaggacaa acggctgtac ttgaaaagga catggctgcc agatattctc 360
tcggggcccag tactcgagcg aggggaagcca gttttctgtt acgaactctt cggcctgtcg 420
ctcgctccta agtcgatact ggccgccacc cgactgctct cgcacgcta cgcaaagtta 480
aaaattctcc aggttggaac ttcttccgta catctggtag attctttatg tcgagagcta 540
ggaagttcca tggactctta cagcattgcc tgtgaatcgg acagttccat ggaagatatg 600
aggcggaggt tgctatcgga cgccctgcct atcaagtacg tagtcctcga catcggaag 660
agtcttacag aaggggacga acctgcgcgc ggtgagccaa ccgacctcgg ctctttcgac 720
ttgataattc ttctaaaagc ctctgccgat gattctccca ttttgaaacg taccggaggt 780
ctcataaagc cagggggggt tctactgatg actgtggcgg caacagaggc cattccgtgg 840
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gatcagtcgg tcctggaaaa tctcagtcgc gatacctttg acggcctaca tcgactgctc 1260
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ctcgccggtc tgagcgggca gatgggccag tccatcacca gatggatagt acagagtgg 1740
gggcgccaca ttgtgatcac aagccggtgc gaacagacac gtctgtga 1788

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<210> 12358

<211> 471

<212> DNA

<213> A.fumigatus

<400> 12358

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atgctggcgc ggatggccgg cccctgtggt agaaaacaag aggcgggctc gtcacatccc 60
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gcgttcatct cctgtccgt ggcagatcac ccgactccg ccataccagc cccgactatc 180
gcgccagagg ttacgtcact ggtacggagt cgtgttggag cattcgcttc tctgggaggt 240
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cttcgagagt tgctggagaa tggggtttac ggggatttgg atcggagtgt tgagggtccc 360
agtacgatcg aggatgcgac ggctgtgcaa gtcgcgagag cccaggttcg ggagtacttt 420
aacaggaaca agggtaagca caaggcgatt gaagcaaggg agacggcatg a 471

```

<210> 12359

<211> 246

<212> DNA

<213> A.fumigatus

<400> 12359

```

acgcttagcg cggatccttc ggccccctg gtgaagaagg gagaagcatc ctacttgctt 60
gttgaagttt gtctggtaga acccggacag ccagcaaaat ccaagcttac cccgatgcaa 120
acgcgaata tgctgagctt cgccgtccga ggtcctgctt caaacgcata ttcgattgtc 180
tccaagggca ctgctgtcct cggcctcaag aatcccccta accctactct tgtatgtgtt 240

```

ctttaa

246

<210> 12360

<211> 1482

<212> DNA

<213> *A.fumigatus*

<400> 12360

```

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ggcagctgga acatgaagtc aatcaagttc tccacatcca caaagctgcc ttcttggact 180
tggctctata ttaacagcga aaggggcata cctcgctttg agaaccagg tcaactgaac 240
acttctcttc aggccttcac ggccaagctg aacgagattg gtgtcgctgc tgccgccccg 300
aagcccgga tgatgatcag gttgactgga aatgaccacg agggagagat tgacagagca 360
gtgggcgagc taatgggtcg tcatactccc accctcatcc tcaccattct ctacagcagt 420
gacgtagagg cctacaactg catcaagaag atctgtgacg tacgtcgcg cgtgcgcaat 480
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ctcaagttca acctgaagct tggcggagcc aatcagatcc tcaaagcgag cgaacttggc 600
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caatggcccc ccgacatccg catccagacc tcccggcagg aaatgggtgc aaacctggac 780
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ccgtctgtga gtgagattgg ggggatcgga cgtggtgggc ttgtgaaggg tagcgatgtt 1440
caaatccatg agaacgtgcg cgatacgatg ttctacatct ga 1482

```

<210> 12361

<211> 843

<212> DNA

<213> *A.fumigatus*

<400> 12361

```

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cctcaaagcg agcgaacttg gcatcgctcg cgagggcaaa acaatgctcg ttggcatcga 120
cgtcacgcac ccgtccccc gctcctccgc cgaagcccc agcgtcgccg gcatggctcg 180
ttcaatcgac tcacgctga gccaatggcc cgccgacatc cgcattccaga cctcccggca 240
ggaaatggtg tcaaacctgg acgagatgct caagggcccg ctgcagcgct gggcgcgcg 300
caacaagaac gccctcccag agaacatcat cgtctaccgc gacggtgtct ccgaaggcca 360
atacgacgtc gtcacgagc aggaactgcc cctgctcaag aaggcctgcg tagagacct 420
ccccgcgcca agcaccaaga agaacttccc gcgcatctcc atcgctcatc tcggcaaacg 480
ccatcacacc cgcttctacc ccaccgcga cgaggacgcc gaccgctccg ccaaccccaa 540
gaacggcacc gtgctcgacc gcggcgtcac agaggcccg aactgggact tctacctca 600
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gatcttcgcc caccagaaac ccgtcgcccc cttccagaac gcggcgagata tcctcgagga 720
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<210> 12362
 <211> 513
 <212> DNA
 <213> A.fumigatus

<400> 12362
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 caattgcaac tegtacacac caggaacccg cccttgcgca ctaacctgcg cgcaatactg 180
 ggataccgct cgcatacacg gcgctggatc accttcccct cgctcttccc ctcaaccacc 240
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 ccctgcgcat acgggaacca atccagccga ccttccccct ccaactgcc ctccgaattc 360
 aaaatatccc actctcaaaa cctgatcatc atgtcttat ctctctcagg gaccggactc 420
 gcctccgcag tctccgcccc gttcgaaaac accacatcct cctctctccc ttcttcttgt 480
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<210> 12363
 <211> 531
 <212> DNA
 <213> A.fumigatus

<400> 12363
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 ctggcagagc agattgctgt ggaggctcgg cggttagcgg ctactcagg tgtcattgtc 240
 cagactgcag ttggcggaac tcagaagcgc gagggccttc gtcgcatcca aagagagggg 300
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<210> 12364
 <211> 522
 <212> DNA
 <213> A.fumigatus

<400> 12364
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 ggcaaggaac ttttcggact tgggtgcca caaacgtcgg cgactttttg ttccggcaagc 180
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 tgtggccatg tctgcgcctg tgtgacttgt gcccgccagg tcgatatctg tcctatctgt 480
 cggaagaaca tcatcagtgt agtcaagatt tataggacgt aa 522

<210> 12365
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 12365
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tccccgaata ccattaattc gtcctgaac cccctcfaat tctccaattc tccccccca 180
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<210> 12366
<211> 447
<212> DNA
<213> A.fumigatus

<400> 12366
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gcgatgacac agccagtgtt gcgcacagc gcagagatgt acgttgtctt accaccggg 360
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aaagatgagg ctgcctgcag gatgtag 447

<210> 12367
<211> 1866
<212> DNA
<213> A.fumigatus

<400> 12367
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gtcgacgaaa aggtgacaa gaaggacaag aaggctgaca agagcaagac ggactctgac 1800
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<210> 12368

<211> 939

<212> DNA

<213> A.fumigatus

<400> 12368

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gaggagcaag	cgcggaagca	ggaagagaag	gaaatggaag	actccaggga	agcagatgaa	720
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<210> 12369

<211> 795

<212> DNA

<213> A.fumigatus

<400> 12369

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cttgacagcg	ttcccgcagt	ccggaatctc	atttctgatt	tggcaatgga	cgtactcctc	180
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gaagaattat	tctgcctggg	gtccccagtt	gcccttttcc	aaatgatcaa	aggaaacacc	480
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gcgtcgagtg	aggggctgac	tatcgtatcg	tcaccgaagt	gtcggcagct	ttacaacata	660
tttcaccctt	ctgatcccg	tagttaccga	attgagccgt	taatctcgcc	ggcaatgtcg	720
tcgctcaagc	cgcagccctt	gccctcggta	aagaagagcc	tctgggcaac	tcctggggca	780
aagccctatc	catga					795

<210> 12370

<211> 546

<212> DNA

<213> A.fumigatus

<400> 12370

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agtgtgggaa	ccttatggag	caatttcgca	accggggctg	caagcagttc	acttatccga	180
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tccggcggttg	attgtcaaga	agcgtctgcc	aacagatacc	gaacactgat	tgactcgaac	360
ttagaaacac	tctacgaagg	aaccaacaga	gccaagacta	gttgtcacia	tgatatttta	420
cattcggcgg	ccactgagtc	tgctgttgcc	cgagagagcg	aggatttaag	gagggtgaaa	480
atggaagatg	ctaaagtgag	ggcactcaat	actaatggac	gagttgacta	cagcatccag	540
gagtaa						546

<210> 12371

<211> 189

<212> DNA

<213> A.fumigatus

<400> 12371

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gaagctgcta	gcatatttag	tgatatctgaa	gctacgcttc	acagtcagct	gaggggaatc	120
aaaccacaat	cagagacacg	tgccaatagg	tcttcaccac	ggggctggaa	ggatgcgagg	180
cgatgcaaa						189

<210> 12372

<211> 660

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (431)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12372

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gagcaccctg	aggactgggc	tggtcctggt	aaccgcgccg	actgtatcca	ggacgatgga	540
gcattgcata	ccaatacgcg	atccatggct	gcgggcgctg	cgtttgctat	cagctatcag	600
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<210> 12373

<211> 195

<212> DNA

<213> A.fumigatus

<400> 12373

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aaggggtgcta	agcaaatgat	cgccttcaac	cgtgagtcag	cctttcttct	ggaggtatgg	180
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<210> 12374

<211> 855

<212> DNA

<213> A.fumigatus

<400> 12374

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tggcgcgagc	ttcttctaaa	atcttcgtct	gccggagacc	tggttggttg	ggagaccaac	180
atttacgatt	cggaaatggt	tgaagcaact	tggaaaccag	tcgtggcaac	gctttcctac	240
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gttcagcaaa	gctggaaata	cgttttccaa	attctcagca	acctcttcgt	caactcgctc	600
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ttcacatctt	acctctccag	ctatgcagcc	gatgatcccc	cagaaccttc	agatgaggag	780
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<210> 12375

<211> 957

<212> DNA

<213> A.fumigatus

<400> 12375

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gaaggtacgt	ataaagcgtg	tttagtcgga	gcagaactgg	ccattaactt	tgataatgcc	180
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<210> 12376

<211> 609

<212> DNA

<213> A.fumigatus

<400> 12376

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ggtagcgtgg	gttacattga	agaacgacag	agggatgtgg	catatcggcg	ctctaagggc	540
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agtagctaa

609

<210> 12377

<211> 2277

<212> DNA

<213> A.fumigatus

<400> 12377

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ccaatccacg	acggcgagat	cacatggatg	tgcagcggga	atgaggccca	cctgaaggaa	1740
catgatcaga	acgcttatgc	acacagcaag	agatcgatac	acaatgtcac	ccatgaggat	1800
gggttcatcg	atattttgtaa	agttcgtgag	gtacgtcaag	tgtggcgtgg	cagctccctt	1860
gccgatccaa	acattcgcga	aggtctcgat	gtggaattcc	attctgaggc	gcaagacacc	1920
catcgggatg	atggtgcgac	aaagcaattt	gacgatgatc	gaactttcga	gatgggtactt	1980
gagaaatgatc	ttgttggttcg	actgcaggca	tatgacaaga	ccaccaggga	cgaatggata	2040
aagcgaatgg	atgcgctggc	caaataattg	aaagcccgcg	ttgcggccga	ctcggttgag	2100
cttaaggcca	ttcggcgggc	caatctgaat	atcttgagca	tcgatgaagg	aactgagtcc	2160
gtggtaggac	agtgtccga	ggaatgggaa	acaaagaagt	cagaagcatc	acccttggtg	2220
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<210> 12378

<211> 204

<212> DNA

<213> A.fumigatus

<400> 12378

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agcaacatcg	gctacgcgat	ctgtcgattg	aacggatgtg	ccatcgattt	tgtccccctt	120
ctgagcctca	ccattggact	cgaactgctt	aaatggattt	cgaaagacaa	gagaaacgtt	180

caaatcaggg acattgatgg ataa

204

<210> 12379

<211> 840

<212> DNA

<213> A.fumigatus

<400> 12379

ccccctgctga	agacagatgg	tcaatctacg	ccgtctggcg	accagtctgc	ggctcctttg	60
acttcggatg	ggagattctc	cgcgctcaag	gcgttctaca	aagaccagat	agctgcgacg	120
tccacatcgc	ccacagaccc	tctgggcaact	gactttggac	ctggctttgc	ctcacctggg	180
gctctaaacc	gtataatgtc	tctctatgcg	gcctcatcgc	ggctcagcag	tctctacggg	240
agcgccaata	agaaaccta	atcaaagccg	ccggtcatga	gagaagctct	aaccgccagc	300
gagggctctga	aggtcgcgac	tcccggcgcc	gaagacgcca	tcatccagcg	gatttcctcg	360
gaagtatgtg	gctgggacgg	cctcgcgctc	atcgagcagc	gcatgtttca	gtcccctgat	420
gttcggttcg	tgggaagacct	tctcccctta	ccagtattac	tccgaaccaa	gcgctcgaaa	480
cgttgcaagt	cgtgcaagca	catcctcgtc	aagcctgagc	tcaaacctca	gtccaccggg	540
tttcgcatcc	gtctcattgc	cctcagctac	atacccttac	caactctacg	acctctagcc	600
ctgggaccac	ccacgggcct	ccccgcaata	acaccttcag	catccagttc	agctcctaac	660
ctggacgccc	ttcccccgct	gaaacctctc	cagctgcttc	tgacactcaa	gaaccacatg	720
ttcgaccctg	tccgggtaac	cctcgccaca	ccctcagtaa	caccaggccg	cgtagcccac	780
aaaagtcaca	atcctctgcc	cgcagttcga	catcggagcc	aacagcgacg	tctggaatga	840

<210> 12380

<211> 486

<212> DNA

<213> A.fumigatus

<400> 12380

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acctcgggta	acgaaaaagt	cgcagaagcg	ggcaaagtct	gggacaaggg	gcggaactgg	120
acaactgttg	tcctagaagt	tgctccctggg	acattaccag	gcggcagttc	agggaccgcg	180
agacggcaat	ctctcgggtga	tgatgagggc	ggagacgggg	ctagcagccc	cagtaccgac	240
gataatgacg	aaaccaacaa	caagaatgcc	agcctcgact	ggagcggaca	ggcccaggat	300
cccaagaacc	agctccagcc	cgacgaagac	gtcctgggaga	tcccgggtctt	tgtccgtatg	360
gaatgggact	cggagaatca	gatggagcag	gctgctggga	aggggcagaa	ctccgatacg	420
gtcaagcgag	aattggcgta	ttggatggtg	ttggggggttg	gccggatcac	ggctgaactt	480
gcatag						486

<210> 12381

<211> 285

<212> DNA

<213> A.fumigatus

<400> 12381

ggtaggaact	ccgtcctgaa	cctcgattat	tttccccttc	gacgaccaac	tcccctcgcg	60
acaaggaaag	cagcaccagc	agcacagcca	gctaccgctc	gctcgtctgc	aatcatggct	120
gctatcaaca	agatcgccca	caactcgcca	tcgaggcaga	acccctccga	gctggagact	180
gcgatcgccg	gcgctctcta	cgacttggag	agcaatacac	aggacctgaa	ggccaccctt	240
cggccccctgc	agtttgtctc	tgcccgtgag	gtaagactcg	cctga		285

<210> 12382

<211> 192

<212> DNA

<213> A.fumigatus

<400> 12382
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 gtactacagg ttgaggTcgg ccacggcaag aaggccgtta tcatcttctg ccccgTccct 120
 ctctccagg gcttccacaa gatccagcag cggTaccgaaa tgccaagcag aaaccagtat 180
 cacagcaggt ga 192

<210> 12383
 <211> 384
 <212> DNA
 <213> A.fumigatus

<400> 12383
 caagactgTt tgtgtagcct gacccgtgag ctcgagaaga agttctccga ccgccacgTc 60
 ctctttgtTg ctacagcgccg catcctgccc cgccctaagc gctctgtcaa ctcccgcacc 120
 aaccagaagc agaagcgTcc tctctctcgc accctgaccg ctgtccacga cgccatcctc 180
 aacgacctcg tttaccccgT cgagatcgTc ggcaagcgta tccgcaccaa ggaggacggc 240
 agcaagactc tcaaggTcat cctggacgag aaggagcgTg gtggtgtTga ccacagactc 300
 gatgcctacg gcgaggTtta ccgcgcacta accggccgct ctgttatctt cgagTtcccc 360
 cagagcggTg ccgcgcagta ctag 384

<210> 12384
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 12384
 tctgtcgatg acttggtaaa tacaatctgc cttagatgTt actgcctcag gtgtaaaggg 60
 cgaagaaagt cacgggatga gcgttccccT aagagggcag aggctaacc cacaacggca 120
 aagcgcaata ccgctaagcg aggcgccgag actccgatcc cacaccagca cgaccgagcg 180
 caaattgtag ggtag 195

<210> 12385
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 12385
 cacaagaaaa gggggaagga tccaagaggc cagttcatct ttacaggatg tgcactgaat 60
 gaccaagtca ctttccccT tccgctgggt gaggtgacga ctctgcggt gtaccttatg 120
 accctgatga cccctatgaa cgcaccgacc cattttgaat tacaaccacg cataattaat 180
 tga 183

<210> 12386
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 12386
 ctctcTaaT gtctgctctt ctccggaacc ttctctcga acctccttaa ccttcttattc 60
 ttgcccTcga cctcgccatc aaccaccttc acctcTaaTc tctctgTccc cgctgatacg 120
 gttcttctcg attcttcttT ggctgcattc ctcaaactga gccgatatat atttctcTga 180
 ccaccttctt ccttccgatc acctgttTta ggtcttgtgt acagaacagg gctggaagga 240
 tag 243

<210> 12387
 <211> 489

<212> DNA

<213> *A.fumigatus*

<400> 12387

agtgtctgaaa	tccgggcttt	gttcagcttg	tctcttccgc	ccatgcctaa	gcattacagg	60
aaggttgtgc	atgacatggc	agggcgactg	tcactcaa	cacagtcccg	cggcaaaggc	120
tctgtccagat	ttcccatgct	gtacaagaac	tcccgccacc	ccaagcatac	acagaaaacg	180
atcgccacagg	tgggagaaaa	tattatcgaa	aacctcagtt	ctctcaacgc	gggccccaa	240
gcacggactt	cagaacaaca	agaaactggc	gaaaggcttc	tccgtgggtcc	ccctacatca	300
tctgtcagct	acatggaagg	cgacgttggt	ggagcatcag	caccagaaat	cggagcggaa	360
aataagggaa	gagctatgct	tgaaggatg	ggatggagtt	cggggactcc	gctcgggtgcc	420
ataaacaaca	aaggcattct	gttacctggt	gcgcacgtcg	tgaagaattc	caaggctggt	480
ctagggtag						489

<210> 12388

<211> 1278

<212> DNA

<213> *A.fumigatus*

<400> 12388

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ctccgatata	atgtccatcc	aagaagaaca	acgctgggag	cctcgctcat	cgaaaagagc	120
atgaaaaccc	cgactatcgt	agaggacacg	aacctagccc	gcagagtcac	ggctcaacgc	180
atccttgggg	taccgcatca	cagccacaaa	acaccgacgc	aatcatgcgc	cacaacagaa	240
gacgcgttgg	gacacctact	gcatgccacc	gaatctacat	tgccggagag	aaccgaccag	300
atacaaccac	gtgccattga	tgaactgtt	gatttcatac	ccttcaagtc	cacacatgca	360
tcaattaggg	agcaatattc	aagactttct	gaagaagaag	aaaatgacat	attgaccgat	420
tacatagcga	acattgacga	tgactacgga	gattactgtc	agtggactga	attatgtcgt	480
agtacaagca	cggagtcgga	aaacggtcga	atggacagat	cggcgaatac	actcgtctct	540
gccgaactgg	tcaatgtcaa	ctgctgcggc	ccaccaaaca	atggggagag	aataatttca	600
tgcgaaacgc	gccaaatggt	gactgaatgt	gaagatgaga	gtgacctga	tctgacttgg	660
agaggtatgc	ccagccaact	acatccaaat	agttatctta	tgctgaagtc	accaggtttt	720
actgctaaat	cgaatggatt	tgcggtgctt	tgcaacaagt	tgctgacaa	acatagcacc	780
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gagacagaga	gcaattgtct	gtctcgaccg	cacagtaacc	acaacaaagc	aaagagaaat	900
catttcgctt	cggcaacggc	ttttgctgaa	gcgttggaat	cggacccatt	ttatggattc	960
gatattatgg	atttcaacag	gcccagcctg	cggataaaaa	caaaagggaa	ccagcgtgct	1020
tttgatctgt	cattatccga	tagcgagttg	gaactgcaat	tgggaacggc	gtggcgaaat	1080
gacagagaga	agaagaaaac	aaggaaaacag	aagagagaag	agcttcgtgc	tggaggcctg	1140
ctcggtcgga	ctgcaaatgc	acctgatctc	agagcgaagt	attcgagtgg	cttcgatgtc	1200
gatgatctga	gatcggaatt	gcgtagcttc	ttgctatcat	caaaagaaag	gtacgaatct	1260
tcttcagccc	ggtattga					1278

<210> 12389

<211> 192

<212> DNA

<213> *A.fumigatus*

<400> 12389

ccaaggaccg	ttattgggcc	ttcccccgaa	cataacttga	ccccctgggc	cgggacacaa	60
atcacggtgg	tggaaaaaca	cgaccccgga	atccccgtga	aaacaaccct	ctgggctgga	120
ttcaaaccct	taaatggtgg	cgagacaaca	ccttcccgtg	tttaccctgt	ttatgagagt	180
gccccatttt	aa					192

<210> 12390

<211> 186

<212> DNA
 <213> A.fumigatus

<400> 12390
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 ggtgttatcc cctctgggtgg cgatatgggtt tatatgctca gtatctgtgg cattctctcc 120
 atccgggtgca atagtagtag ggggtggata tcgcatcgaa tctccgttgg attgttctgg 180
 gggtag 186

<210> 12391
 <211> 780
 <212> DNA
 <213> A.fumigatus

<400> 12391
 gcgaggcgga ccttgggtctt gagagtcattg ccctccaaca acaaacgaaa gaagaaacct 60
 gcctctaata ccgctagggg tttcgcgact gtttctgtgc cctcgaaacc aaaatcgggtg 120
 gactcaacga cccctgcata gaccgttgat tcccgatcag tcaactgagag tgaccggcca 180
 acaccggcag aaccgagcca gccaccttcc gagaagcaag agccttcctc cctacagaac 240
 tactcgccgg aggaacttga gaaacatttg gagaacgcag agttgcagct gctggttgaa 300
 aagtttgctg ccaaattgcaa gaacgatgct gcccgccaag tcgcaaagct cgaaactgag 360
 cggagggctt tgcggcaaca ggctgtatct ctgaatcttt cggaatggct tcttaaagaa 420
 gtgcaggaac taattctcag ccttgccgaa gcggaagaac gcgaaatcag cctccgtct 480
 agcttgaaga agtcgagctc tgaggaagag ctgtacatga gactctggac attgcgggaa 540
 acgctcatga aacttgggtt ccccgaaagt aaagttgagg aggcattgaa acatgtgctg 600
 ttttacttgc ccggtacagc gacaagttct aatagagacg tgggtccgaa cctggatgag 660
 tctttggact ggcttgccat gcaactgcctt tccgcggaac taccatctta tacacagtcg 720
 agcgtcctaaa cacgcaatga gtcggaacga ctcgtttctt atatctctgg taaattctga 780

<210> 12392
 <211> 1212
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1140), (1211), (1212)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12392
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 ctcatgctct ccaggagctc cgcgatagaa ttggtaagtt ggttggtgct caccctccg 120
 gagtcagcct ttcagcatgg acattgctca cgcgctctgt tctctttcga ctttttaggc 180
 actgagttac cacaagaaat ccggcagtc cttataggac tcctttttac aacctatccg 240
 ctctacgttg atcgccctc tcgacaagcc gtccagcaat gtctgcgcac gatcctcaag 300
 gcgcccgttc cgaccgaaga tctgaaatac ctacccaga atctgctcgc tgaggcttct 360
 aaaccgggat tagcccatc ttccgcgttt gtctgctggt aatggtgctc ccttctgctg 420
 cagatattga aaaatgaccc ggacacacac ctctcaatcg tccttgacat tgtcgtgtg 480
 gatgcaaagg ctctcgaaac ctgtcttgct gctcgtccta gaccaacgtt gaaacagtct 540
 gcccttactg ttacgagacg tgctctacgc gccattttct cgtcagacaa ttggggcgag 600
 gatgctgtcc gccagtcagt cgctcggctg actggtgact cggcggcggg gcagaagaat 660
 gcgccccttc tcggtgtcat ttctggtgta tgcccgcgt taccgaacag caaggccgtc 720
 ctggagaatg aaaagaaatt gatcctcgca tactacatca aagaattggt cggctcaaaa 780
 gctgcagtac caaacacat gcgaagcggc ttatccgact tcttcgcctc ttttattacc 840
 tacgaggatt tcacatcaga gctagtacct cctcttgaga aatcactctt gcgtgctcca 900
 gagggtggtg tgggtggatt ggtgccttca ctatgctctt ctctgccaga ggactttgac 960

ctttctgaga	ttctgtttctc	tcggcttctg	aagcaccttc	tctccagcat	gaaatcaaac	1020
aatgcaacta	ttaggcaagg	tgctgtgcaa	tctctggagt	ccatcctttc	aaagtctaaa	1080
aaggaggaat	ggcttgtcaa	gatcgctggg	gagatcatcg	ggcccatcaa	gaccagaan	1140
atcactagcc	cggagcatcg	tgctgtgtat	gctcaagcgg	tctgtggtat	cctgcctagt	1200
gagagtgtct	nn					1212

<210> 12393

<211> 516

<212> DNA

<213> A.fumigatus

<400> 12393

ggccaccatc	agctttttga	tgtagccaca	aaaggagcgc	ctacaggttc	atacctggac	60
ttgcacgtct	cttctaggac	ccgtcgaggg	ctaagcccg	tccatttacc	gaagtcacgc	120
atcgtgacgg	atgctttctt	gagctcttct	gtaataatac	cagtctccaa	aattggctcc	180
tcagtctcga	acatatctcc	aagaagatct	gctgtatctc	cgttgtcgtc	catgaacccg	240
gcgccattct	cagcctcagt	cgacgcctca	tccggcttcc	tgacctcggg	ttccacaggc	300
ccaccatttc	cttcgtcgcg	agcaacacgt	ctggaaaatg	ctgcttccct	cctcaggtca	360
tcaagcttct	ccctccaccg	gtactcggcc	tcatcgcggt	caaacaacac	gtcattctca	420
atgcttgcaa	gtttacgctg	gagctcgcga	acttggggat	cctccgtggg	aacattggcc	480
tgctcacgcc	cagatttttt	gcccttcttt	ggctga			516

<210> 12394

<211> 750

<212> DNA

<213> A.fumigatus

<400> 12394

ccatggacaa	gatcgtttgt	gctgacgggc	tgccctacaga	ttccacatca	tggcatcttt	60
tcggtgacca	atgaaccttt	ccctcggccg	gctccaattg	acgagcactg	gcaggccctg	120
caaggcattg	tccgcagttg	tcgagatgta	gcgtgcacaa	tctttcggac	catgtccacg	180
gcgctccatc	tgcccgcgga	caagaccttt	gaatcattcc	accatccatg	ccacgcctcg	240
ctggacatca	tccgactcct	caaataaccag	tcagcgcccc	cgggcgagac	cacccctcgg	300
gtgccccaga	ccgcgcacac	agacttggga	tcccttaacga	tgttgtttgc	ctctacgccg	360
ggcctgcaga	tttgtccccg	aggctccgac	gattggttgt	acgtgatgcc	tcgcgcgaac	420
agcatgatcg	tcaatctggg	cgatgccatg	agcatctgga	cggatggcgt	tttccagaat	480
gtgctacacc	gcgtcagctc	gatgcccgtg	caggccatgg	aggaacggta	cagcttcgcc	540
gtcttgatgc	gtccggccga	tggggcgcca	atggtttctt	tgatgcgccc	ttccccgagc	600
ggattggagg	ccgaacccat	gcggtgtgac	atgttgcttc	gggcgaagtt	cctggcgctc	660
cgcggccaga	agaatggtga	gcggaaggat	tctgatatcg	cggtcctcac	ggggtgtcct	720
gatgggcgac	cccgttttct	ggaggtgtag				750

<210> 12395

<211> 318

<212> DNA

<213> A.fumigatus

<400> 12395

ctgcgccatg	ccgtcggggc	tgategcctg	aaggtccttt	acctgactgg	acgcaatgct	60
gctctggcct	ctgactatgc	cctgcaccgc	aaacgcgaat	tgatggagca	tcatgtgtgc	120
gagtgcaggg	gccacaatat	gtggatcgaa	cctcccttga	acatggtagg	gtccttggtt	180
gccactcggg	gtgatgatta	tctcgggcga	cagcttttctg	tcgccatgca	ctgcaggatg	240
aagactatcg	cccacctcct	tcctctggat	agcgatatca	gtctcactgc	ctgctccctg	300
ggccacccac	gatcttag					318

<210> 12396

<211> 246
 <212> DNA
 <213> A.fumigatus

<400> 12396
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 aggaacagct atggcggtga agactttgac catctaggct cttctcctgc tctagcttgt 120
 gtcgatactg ttcgactagc gcaacctgag gacatatttt gtgataataa gaggatgtac 180
 tattatggag gtatggaaga aatgggtttg cttttcatct tgctccgtag tcggtacat 240
 acataa 246

<210> 12397
 <211> 597
 <212> DNA
 <213> A.fumigatus

<400> 12397
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 ctactatacc ataccatata ctcaactgct tcattgttct tcccttcccc gtatattact 120
 ttctccatcc gcaagtctat tctacacatt atgccttaca atacgcgccg caagtcgttg 180
 tctcttcctt ctctgggtat tcatcttccc aattcatctc gtcgggtccc ttctgcgtcg 240
 aaacagccgc acgcgaccga cgatccactg ccgccatcta aaaaagtaaa gaggtcgcac 300
 gactcggtat catcatcacc ggaaccttcg ccactctcga cttcttctac agatgcaaag 360
 gaccagcaaa caatacggcc caacggaaga cgcggaattt atgagcatac gccccctccg 420
 tcccctacgg acggaaccgc tgcgcccgaag atcgacatag aaggatcaa cgacgacatc 480
 gtcgtggggg tgattgagca actagagaag acgggaaatc gccctcacct agttaaggag 540
 ctgcgagcca ttctcgttac cctcaacgag aatgtcgcaa agtatgctat cccctag 597

<210> 12398
 <211> 1047
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (846)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12398
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 gccttgaaac cgtcttatgc ttggaagcta acagtctcgc ttttgccctag ctccgccaat 120
 cccgctgctc tcttgtcttc gcgactaggc acatacatga agcgcccttg gactgctctg 180
 ggcgcgtgcc ctattgcaaa ggagttaatt cctatacatc cgcgcaaagt gtattactac 240
 ctcaacgacat taccgcgtcg gcctatcccc gagaactcag atgatgtgat cattccaggt 300
 gttgatggga aagacttcac gcctagcggt tccaacgctg acctggatga tgaggagatg 360
 atggcgcggg aacgatcgct tagtcccagag gttgacctgt cctcgctga cttcgaggaa 420
 gaaaatatcg atcgtagtgc aggacgcctt ggccacagtt ttagtgaaca tcacagccat 480
 ggcgcgcctca tgcattcgaa tcgcgcgcga tctccgccgc tggagggcga tgagaaggag 540
 ttcacgcgaga ctgccagtgc tggttcgcgag cgggcctcgg agcagaaagc agccacagag 600
 aagtcctctg ctcttttcgga tgctctcagc gaggttgaaa acggtgtcat gagcatttca 660
 gagaccgcaa tcgaaaacag tcctctttcc tctatcaacg aggagcgctt gccggatcac 720
 gaggacagcg attacttctc acacggaaac taccaggctc aacagcggtt acaacagcag 780
 ctggagtttg agcaagttga taccgattct gtggctgcgt cggccctatt cgggacctcg 840
 ccttcnccat cactcgcata ggctcgcgtc tcgctctcgt caaggacgag tgccgcgtcc 900
 gatgacggtc ttgaagttga agaccgtgcg actgtcctcg ccagtgtctt ccagatcagc 960
 cttcttgaag atcctagtgc tcccctcggtc tccacctga aacgatctat tgacatgttg 1020

aatattgagc ttccagactt ggaatga

1047

<210> 12399

<211> 339

<212> DNA

<213> A.fumigatus

<400> 12399

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gatgtcgatg	tggtcgcgca	gattattcgc	gacaatgcga	ctcgccgtgc	agtcgataac	180
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cgcggtcgag	gcatcatcaa	ccagcggagt	attcagatcc	ctgagcttgc	gagagtcgcc	300
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<210> 12400

<211> 390

<212> DNA

<213> A.fumigatus

<400> 12400

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cttccgtttg	gattcagccc	tgtctgcatcg	caaaagctag	ctcaccaga	tggagaactg	180
gcggcacgc	gggctgccgc	aaagtatggc	atctgcatgg	gactctcgtc	gtattcgaat	240
tactctctgg	aggatgtggc	ggcccagggg	accggcaacc	cgtacgtgat	gcagatgtgt	300
gttttgccgg	atcgctcaat	aacaatacag	ttgtctggagc	gggctcaaag	tgcgtctctc	360
gggtttctgt	ctggcgctga	tacgtactaa				390

<210> 12401

<211> 204

<212> DNA

<213> A.fumigatus

<400> 12401

tatggagcag	aggcgggata	caaggcattg	ttcctctctg	tcgatgtccc	tgtgctcgga	60
aagagactca	acgaatatcg	gaatagtatt	acgcttcccg	aagacatgaa	ctggccaaat	120
atcctcagtt	gcggcgctga	tacctcaaac	cgtacgggact	atggtaggag	ttcccaattc	180
cctatggctg	ccgcagaaag	ataa				204

<210> 12402

<211> 333

<212> DNA

<213> A.fumigatus

<400> 12402

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ggatcggata	tctttaaggc	tcttgcactt	ggcgccagtt	attgtatcgt	ggggagaatt	180
cccatttggg	gccttgcggt	aagctttgtt	ctctggcatg	ttgccatgat	cggcctggct	240
aattacattc	agtacaacgg	ccaagagggc	gttgagtgtg	caatcaggat	tttacaacaa	300
gaattgaaga	taacctatgg	cctcgcaggg	tga			333

<210> 12403

<211> 315

<212> DNA

<213> A.fumigatus

<400> 12403

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ccattgactg	tgaatctcat	catccatcat	acaatttcac	acagatcaac	aatcagaacc	120
atgggagatc	tcttcgtcga	tattcggacg	ccaaataatc	acgcttaccg	gcagccaact	180
ggcctgttca	tgggcggtga	agtcgtggcc	gcgtcgagcg	ggcaaactat	cacttcgatt	240
gacctgcgt	atgtgtggag	gacctctct	gagtccttcac	cacgagcctg	ccaggatccg	300
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<210> 12404

<211> 192

<212> DNA

<213> A.fumigatus

<400> 12404

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gagtctgtca	tgggtggtgc	taactgtctg	actatacttg	aaaaaaagtt	gtggagaaa	180
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<210> 12405

<211> 1392

<212> DNA

<213> A.fumigatus

<400> 12405

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gcacattcct	ttttgagcgg	cggctcgaga	ggcatcttga	tagcttatgc	taaagagaac	1260
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gtgggcgatg	acgattatgg	tttggaatcg	ctatttcgca	gtacgacttt	ggacatttgc	1380
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<210> 12406

<211> 627

<212> DNA

<213> A.fumigatus

<400> 12406

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gtgctgtgga	ggcaggttgt	cttgccggagg	aggaagattg	caagtaaccc	ggccgaggcg	420
cagacaaagg	agggccagga	ggaactgagg	gcagagattc	gtgcctggaa	gaaggctctg	480
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<210> 12407

<211> 312

<212> DNA

<213> A.fumigatus

<400> 12407

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tttcagctgt	tatgctgtct	cctattaccc	aacttctttc	ttcatagcct	acatgtcacg	180
catatgcaaa	gccatggcgg	acaatggaga	gggaagctcg	agacctccta	tatggcacag	240
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<210> 12408

<211> 2493

<212> DNA

<213> A.fumigatus

<400> 12408

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aaagcgttgg	agcagaagac	agggaacatg	cgtgcgaaaa	tcaagaagg	gctgaagaag	180
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<210> 12409

<211> 186

<212> DNA

<213> A.fumigatus

<400> 12409

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ggatgtatta	gacggcatgt	taagctcgcg	gctcttcgtc	tcctacgtgg	tgcgacccat	120
aaaaacgggt	tcaaggcggc	tgtggaagat	aacacggaca	tttacatagt	cactagagga	180
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<210> 12410

<211> 273

<212> DNA

<213> A.fumigatus

<400> 12410

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gtggaagata	tctatcttcc	tgggggccag	tttgccattc	atttgtcaat	tgcccattct	180
gccctgccca	agggcgctac	aaccaatcca	acttggccac	tcgcattccc	accgtctgca	240
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<210> 12411

<211> 1245

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1245)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12411

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caaacaagcg	tgtccagtac	tcaagcaagg	cagttcatcc	caaatgggct	ccctccagag	360
cgaccaccac	ggcctgatgc	cccgctctccg	tcgggtttatt	ctgaaagaag	catgtcggac	420
atagcaccaca	gtcccccttca	tctggcccg	cctatcccct	cgttctcaca	ccctttgcca	480
aatccaccac	ctccccgccc	tccctttaag	gggcatcttc	caccttacgg	gccggatcgt	540
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gcttcttctt	tcatgtccat	tcttcttatt	cccgaacttg	ctcttccgc	ccaacctgca	660
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gtactcgatc	cggagaaacg	ccgatcgtgg	tggacatcaa	cggccaacat	cctgcactcc	1200
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<210> 12412

<211> 258

<212> DNA

<213> A.fumigatus

<400> 12412

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ctgatgggag	tgctgatcag	tcgaacagtg	ttacttcagg	cgatgaaaga	agagcctgcg	120
cctgatgccca	aatgcaaaga	caagttcctg	gttcagaccg	ttgccgtgac	tgggtgacatg	180
gagttctcta	atgtttcttc	gattgtgcgt	ctgtcccttg	ctgcaagttg	tctgccatac	240
tttctaacag	ccatttag					258

<210> 12413

<211> 441

<212> DNA

<213> A.fumigatus

<400> 12413

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agcgagaagc	ccaagcggga	tgttttcgcc	caacagtcga	atgagacttc	agccacatct	180
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cccagcgccg	cagggtgtgcc	attgcagatc	gtggccgggc	tttgcttgct	aagttttcttg	420
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<210> 12414

<211> 201

<212> DNA

<213> A.fumigatus

<400> 12414

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tcgtacgaat	ttccttcaaa	gctcttccgg	ctttgccgca	tgactatctt	tcagtcttcg	180

tctcagtctt cctgttactg a

201

<210> 12415

<211> 381

<212> DNA

<213> A.fumigatus

<400> 12415

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gccacccag	cgcccataac	cgccgtgacc	accaccgccg	ccgctgtagc	gagccatctc	180
agcgagacgg	gggtcaatct	gctgcttggc	ctcagtgagg	atagtaacca	agtcacgagc	240
ctgcttggag	tctgcattga	agagtcatta	gtcatgacaa	ttactgacag	gggtagtctc	300
aagagaaaact	tacttttcagt	ggtgaagaag	gtaatggcag	ttcccttcgc	accagcacga	360
ccagttcgcac	caatacgggtg	a				381

<210> 12416

<211> 1299

<212> DNA

<213> A.fumigatus

<400> 12416

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acgtcaatat	gggtgaggga	gcttaggaag	gagaataggg	aggggagagg	ggaaagtgtc	180
gattcaatca	taccaatacc	acgggaagcc	acatcagtgg	ccaccatgat	tgggctcttg	240
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acagtaggta	agtgtctttc	cggaaccagt	ttcagcaata	ccgacgacat	cccgaccaga	1080
aagagccatt	ggccaacctt	gagactgaat	ggcagtagga	cgctcgaagc	cttgagcctt	1140
gacctcactc	aggacgtact	gggggaaccc	agcctcgtcg	aaattctcga	cgggacgagg	1200
aacattgctg	ccctgcacag	tcatctcgtg	cttcttgctg	aactcctcaa	cctcgcgctc	1260
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<210> 12417

<211> 318

<212> DNA

<213> A.fumigatus

<400> 12417

ttttcacccg	cactaagcgc	attgctgatg	agattactcg	attcctccgc	caggacggat	60
ggcccgcact	ttgtaagtct	tcggatcatt	ttatcattcc	ccaatgcct	cttgctaaca	120
acaatcccag	ctatccacgg	cgacaagcaa	caacaggaaa	gagattgggt	cttgaacgag	180
ttcaagacag	gcaagagccc	aatcatgggt	gccactgatg	tggcttcccc	tggtattggg	240
atgattgaat	cgcaactttc	ccctctcccc	tcctattctt	ccttcctaag	ctccctcacc	300

catattgacg tcgtgtga

318

<210> 12418

<211> 231

<212> DNA

<213> A.fumigatus

<400> 12418

ctcttcaatg	cagactccaa	gcaggctcgt	gacttgggta	ctatcctcac	tgaggccaag	60
cagcagattg	acccccgtct	cgctgagatg	gctcgctaca	gcggcggcgg	tggtggtcac	120
ggcgggttatg	gccgctgggg	tggccgcggg	ggtcgcgggc	gtggccgtgg	tcgtggtggt	180
acttacaccg	cttccaacgc	tgccccactt	ggcaacgctc	gccgttggtg	a	231

<210> 12419

<211> 234

<212> DNA

<213> A.fumigatus

<400> 12419

ctgacaaata	catacagctc	tagagggtgt	cacgacaccg	gttatcaaaa	tggaacggc	60
tactctggcg	gctattctgg	cggtggtggc	tacgggtggg	gctatggcgg	tggttatggt	120
cgcggtggag	gtgccgctgg	tggtgatcgc	atgtcgaacc	tgggcgctgg	cctgaagaag	180
caagattggg	gtaagttgac	taccttggtg	tcccgttctg	acttcgggtg	ctga	234

<210> 12420

<211> 777

<212> DNA

<213> A.fumigatus

<400> 12420

aaatgggtgct	cataccatga	ggaccttggg	cttacagtgc	agtgtagcag	attgattcgt	60
actttctgtt	ctgagttttc	catctctgtt	cttgaacctc	gttggctcgag	agatgggctt	120
tctctcactt	cgactttggt	gaggctgcat	tccaagggtta	ctctaggacc	gcgatcctgc	180
cccaggcgat	ggaccttacc	acaaacggat	ttcgactata	gagtcgcgga	gagagtgatg	240
catcaagtct	cacatgactc	aaaagggcgc	ctaggcctcg	ttgctatatt	cactaatgct	300
cttttttgcta	acctaatact	gtttaaagat	gttcgcgaca	tcactcatgt	gctgaactat	360
gactatccca	acaactcgga	ggactacatt	caccgtattg	gtcgaactgg	tcgtgctggt	420
gcgaagggaa	ctgccattac	cttcttcacc	actgaaagta	agttttctct	gcgactacct	480
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tggttactat	cctcactgag	gccaagcagc	agattgaccc	ccgtctcgtc	gagatggctc	600
gctacacggg	cgccgggtgt	ggtcacggcg	gttatggccg	ctgggggtgg	cgcggtgggc	660
gcggcggtgg	ccgtgggtcgt	ggtgggtact	acaccgcttc	caacgctgcc	ccacttggca	720
acgctcgccg	ttggtaaact	gactgatctt	gaccttgacg	tccagtctcg	tcactga	777

<210> 12421

<211> 1164

<212> DNA

<213> A.fumigatus

<400> 12421

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ctccccaagt	tcgaaaagtc	attctacaaa	gagcatcccg	atgttgccgc	tcgctctgag	120
cgcgaggttg	aggagttccg	caagaagcac	gagatgactg	tgacgggacg	caatgttctt	180
cgctcccgtc	agaatttcga	cgaggctggg	ttccccaggt	acgtcctgag	tgagggtcaag	240
gctcaaggct	tcgagcgtcc	tactgccatt	cagtctcagg	gttggccaat	ggctctttct	300
ggtcgggatg	tcgtcggtat	tgctgaaact	ggttcgggaa	agacacttac	ctactgtctc	360

cctgccattg	tacacatcaa	cgctcagcct	ctccttgctc	cggcgatgg	tcctattgtc	420
ctcatccttg	ctcctaccg	tgagcttgct	gttcagattc	aagccgaaat	cagcaagttc	480
ggaaagtctt	cccggattcg	caacacttgc	gtctatgggtg	gtgttcccaa	gggccctcag	540
attcgtgate	tgagccgagg	tgtcgaagtc	tgcacgcaa	ccccgtgtcg	tctgattgac	600
atgctggaag	ctggccggac	caacctccgc	cgtgtcacgt	acctcgttct	tgacgaagct	660
gaccgcatgc	tggacatggg	tttcgaacct	cagattcgca	agattgtttc	tcagattcgt	720
cctgacagac	agacctgcat	gtgggtccgcc	acttggccca	aggaagtccg	tcagctcgct	780
acggacttcc	tgaacgacta	catccagggtg	aacatcggtt	ccatggactt	gtctgctaac	840
cacagaatta	ctcaaattgt	cgaggctcgtt	tccgacttcg	aaaagcgcg	caagatgatt	900
aagcacctcg	agaaaatcat	ggaaaaccgt	agcaacaagt	gtctgatttt	caccggcact	960
aagcgcattg	ctgatgagat	tactcgattc	ctccgccagg	acggatggcc	cgcactttgt	1020
aagtcttcgg	atcattttat	cattccccca	atgcctcttg	ctaacaacaa	tcccagctat	1080
ccacggcgac	aagcaacaac	aggaaagaga	ttgggtcctg	aacgagttca	agacaggcaa	1140
gagcccaatc	atggtggcca	ctga				1164

<210> 12422

<211> 186

<212> DNA

<213> A.fumigatus

<400> 12422

tactatggca	tgtcagggtct	gttccagaat	tatgtgaaca	accttctgga	cggtagcaag	60
ggtcgcgggtg	ccttcgggtat	gggtcaccag	ggtgccaccg	gtctgacgac	tttcttccag	120
ttctgggtgct	acggtgagat	ctgtccaccc	agaacttcac	aaacaacgac	gaatgtactg	180
acataa						186

<210> 12423

<211> 381

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (360), (372)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12423

ctggatgtag	tcactcctat	ccttgggtgcc	atcattggcg	atcaatacct	cggaaaatac	60
aagaccattg	tgctcttctg	cggcgtgtac	ctggtcggtc	tcctgatact	ggtctgcact	120
tcgatcccta	ctgctctcga	gcacgggtgct	ggctctggcg	gtttcattgt	cgccattctg	180
gtcatcggtc	tgggaacagg	tggtatcaag	agtaacgttg	cgcacctgat	tgccgatcag	240
tacaggcgca	agaagatggc	tgtcagcact	accaagaagg	gcgagcgagt	catcattgac	300
cctgctctga	ccatccagcg	tatctacaga	tcttctacgg	cgcatacaacc	tgggctcttn	360
gtctctgctc	gntactctta	a				381

<210> 12424

<211> 1017

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (11)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12424

tctctgctcg	ntactcttaa	catggagcgg	gacattggat	tctggtcggg	gtacctgctc	60
tgtctgtgta	tgttcgcctg	tggtactctg	gtgctcattg	ttggacgcaa	gttttacgtt	120
gtccgcccc	ctcagggtc	tatcattacc	gacgctttca	aggctctcgg	aattatgac	180
atcaaccgta	acatggatgc	gcccagccc	agttggcagg	ctgccaatgg	tggcagcagg	240
cgcaacctgc	cttggggacga	ccacttcatt	gatgagctca	agcgtgctct	agttgcttgc	300
cgtgtcttct	gcttcttccc	catctactgg	gttgtctatg	gccagttctc	cggcaacttc	360
gtcaccacgg	ccgcgcagat	gcagggccac	ggtatcccca	acgatctgat	gcagaacttt	420
gatcccatct	cgattattgt	cttcatcccc	atcctggaga	ccctgggtga	tccgctgctg	480
cgccgtttcc	atatccgttt	ccgtcccatc	acgcgtatct	ccctgggttt	tgtcgtcgcg	540
tctcttgcca	tgatgtacgc	cgcgattgtg	cagcacctca	tctattctgc	cggtccttgc	600
tacgaacatc	ctctctgtga	tgcttctaaa	atcgacggca	ccgctcaagg	caaccgggtc	660
cacattgcca	tccagacccc	tgcctacatg	ttcatcggtg	tctcagagat	tttcgctctc	720
gtgtctggtc	tggagtacgc	ctacacaaag	gctcctcctt	cgatgaagtc	gttcgtgcag	780
tccatgtatc	tgctcaccaa	cgccttcggc	tccgctatcg	ccgaggcctt	gacccccgcc	840
gccttcgacc	ccgccatcat	gtggatgttc	gtcgggtctg	cctgcgcttc	gttcttggtc	900
ggtgtcatct	tctggctcgt	gttccaccac	ctcaatgcc	aggaggacga	catgaacaag	960
ctggatgccg	acgatccgga	tactcctcct	ccccgcgcgc	gcgaggagaa	gaactag	1017

<210> 12425

<211> 1032

<212> DNA

<213> A.fumigatus

<400> 12425

tccttccagc	cccgtggtga	agacagaggg	ctggaggctg	agagattaca	gcaacaaaag	60
ctggtagaga	gtttgaagca	gaagattgaa	gagcacgagg	ctaccgctgc	tgctcatctt	120
caaaaaattg	ctgctctcga	gcaatcgcac	aagaccgcgc	aggagcagct	gtcggatctt	180
cttgcgacca	aggacagggc	cagcgggtgag	gctgaagggg	tccagtctcg	tgtgtctgaa	240
ctggagaaaag	agattgagat	ccacaaatcg	gccgtcgaat	ctcacaagaa	ggacctcgag	300
tctttgcagg	aattacataa	gactgaattg	gctgaactcg	aggagcgcgc	taaggcagtg	360
gcgcaggccg	agtatgactc	gcggtattgc	gagaagaatg	ccgagcatga	ggaggcgatg	420
aagagtctga	catctgaaat	tgagacatcg	cggaatgagc	tgggtgaagct	tctgaagatg	480
gtttcagaac	ttctcaattc	cgatgttacc	gcggacaacc	tgcgagacca	aatccaagat	540
atcctcacgc	aaaagcaaca	cttttccgac	aagtatgccg	agctgataga	tgcaaacgaa	600
gatcttcgca	agcagctcga	agccaagaag	ggcgatgcca	acaagttgga	agaccttacc	660
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gaggataccc	ttcagcgtaa	agaagagcaa	gtcaagaaga	aggacgcgct	catcgaggag	780
atcacgcgcg	agaaagataa	gagcctgcgt	ctggtggaag	agctagagga	acagatcacc	840
aacagcttcg	accagcacca	caaccgtctc	tccgtcatcc	agcatgagcg	cgatcaggct	900
ttggaagaag	ccaaggccaa	gattgcgacg	tatgagaaag	aaattgagac	atatcgcatg	960
cggattgaac	agcttgagggt	aagcactgct	gtgttacata	ctgcaatacg	gatcccgact	1020
aatggacttt	ag					1032

<210> 12426

<211> 549

<212> DNA

<213> A.fumigatus

<400> 12426

cttcaactca	agaatggtgc	cggccaggat	agttcgcgat	accgcaccag	ctcgttgacc	60
togaatctgc	ggaagagtac	ttcggcaacc	tctctccctt	cgcgcgcacc	tgccattcct	120
cttcgcgcctc	tgcgcactat	acagtctgcc	accaacggta	gtgtctctcc	tccaaactct	180
cgccacacca	gcaaggaact	ggtcagcgtc	caaattgtgg	aagaccagga	ggctcgtatc	240
cgcacgatag	aaaaacatct	caatgcggag	aagcaactca	ctgccacttt	ggaagaagct	300
ctgggctgatc	ttgaagcgca	gagtaacaaa	gtcaaggccg	actgcgaggc	ctggaagaag	360
aaggcatggc	aactggaaga	ggagttgacg	gcccttcgca	aggagcgcaa	ctcgcagcgc	420

ctctcacttc	aggccgtcga	ggaagaacgc	aatgcccgcc	gcgaagccga	ggctgcccga	480
gccagctcg	aagagcggat	gaatgcgctg	aacaagaaga	agaagaagag	cacgctcaat	540
tgcttttaa						549

<210> 12427

<211> 690

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (292)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12427

tcacaattcg	gaccagcacc	attcgacatg	ccagctggag	aaatcatgag	agctacctat	60
aggccagatc	ctacagctac	acgagaaaca	ctcgacttct	ttagcaccat	ccccaaatgc	120
gcagagatcc	tctctcagcc	tgatttgagg	gtcaaccacc	cgcgcaaccc	agacgccttt	180
ttccactcga	ccctcagatc	caacaacgga	atcctcaagt	ccatcttcat	ttaccagccg	240
gctcattctc	ataccccagc	gtcggatggt	agtccaagtg	aggccaacgc	anacgcaatc	300
ccacgagaac	gagggcagga	gggaggacga	gaacgaggct	acctcctcct	ccacctcggc	360
gccggcgtat	cagggcagcc	cgatatcgcg	cacgggtggg	tcctggctac	agtcttggac	420
caggttacgg	ggactgcgat	ccgggcgagt	gggttagatc	gtgggcgggg	agcagtcaca	480
gtttatctga	atgtgattta	taagaaaccg	gtgagggttc	cggggggtgg	ggttgcgaa	540
gcagagggtta	agaaagtaca	ggggaggaag	atztatgtgg	tggggggagat	ttctgttgct	600
gaggcagatg	ggggcgggga	agagcagggt	gtttgtgtgg	tttgtgaagg	gatgtttctg	660
gttaagaggg	atgctgctgg	caggatttaa				690

<210> 12428

<211> 186

<212> DNA

<213> A.fumigatus

<400> 12428

ttttccgcgg	ctggagattc	atcctccaac	atcaaagctc	agccccagct	cctgaagtac	60
aaatgggggtg	caaaaagcat	tcgaaccacc	cctaccttac	cacctaagga	cctagtctgc	120
tggcagaaag	ccacgaaacg	cgtacatctt	catcacttcc	ctaggttatc	aacgaccaa	180
aagtga						186

<210> 12429

<211> 183

<212> DNA

<213> A.fumigatus

<400> 12429

aaggtgatat	ttcctagtta	tataactaga	agtagcagga	ataaagagat	ttttaagcta	60
gtaaaggcct	atcttattag	tagtccatct	attaggacta	actttaatcc	tactattgtg	120
tgggagcatg	atatcttaat	actaaccttc	tatatagact	tttcctttga	agataatata	180
tag						183

<210> 12430

<211> 3198

<212> DNA

<213> A.fumigatus

<400> 12430

ccccgtggtc	acaacccttt	tccgaagtcc	accgtgcggg	cgtaaaccctc	caccgatgcg	60
gtaccaaaga	atgagaaagc	tgtcatgat	attctctgga	agagtatttc	acaagtctcc	120
ccggcggaac	gccccttggg	gatccgcgcg	gctatagcag	cccagaggct	ggcgagtg	180
tatcgggagg	tgcaggcatg	ggactggccg	aagcgagccg	atgctgaatt	agggaaggt	240
ttcatgccgc	catcttcgag	taatgtcaac	tctgaggagc	aaggctacta	tggcagccta	300
ccttcggttg	ttgttaagca	gcacgaagat	cgcattgaag	agatccgaga	tggaatggaa	360
acattggacg	tggacgaact	caaagaacat	gtactcaacg	cccacattcc	agcgcggtct	420
cggccctcgt	catcaaatag	caccgtttct	gtccccctc	ctctgaccta	tgttcaactg	480
agcgatttca	ctgccgtcat	caccgccacc	attcttcgag	cccttcctct	tttgtcccgg	540
ttgaacaacc	tccttacgac	atgggacggt	cgactattgg	tccttcgcc	gattccgggc	600
ctactacgag	ctttgcattt	tgtcagtc	gagggtggatt	ctgcgatgga	cctgttgaaa	660
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aaccggctgt	cgaacattcc	cgaagaagaa	gattctaagt	ttccagttgc	ggattcatcc	1020
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tctggaccgg	acacgaagat	atcgaatgag	ccttcagaac	aaagtacaat	cgaaatcgcg	1260
atagatgctg	tattacctgt	cgatgtggac	atgcctcgac	cggagtcttc	ggaaatcgtg	1320
aaaagcttct	cggaagactc	ctccgatgat	tctattggag	gatcttcaga	caagccgtcg	1380
aatgaccgcc	cttctcagtc	gactccgtcc	gtttgtcaaa	ttcgacctgc	ggtgtctgag	1440
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aatactacgg	tgctacaaat	ttccgaacag	ggacgttcaa	cttccataga	acaatcctcc	1560
ggagaaatga	cggacgacac	aagctcaagc	aaaaagcatc	aggccctcgc	tgaccttcaa	1620
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gaacagactg	atgctgtttg	tggcatcaat	gagaaatcaga	caagcagcac	aacagccgga	1980
gacaacagtc	aggaagaaag	gaaacaattt	tcagacggat	tatccgcgct	cgcgacgct	2040
tctgactctg	gtcgtcagct	ttcagtcgaa	ccattggagg	acaaagttgc	tcccacggtc	2100
tcgagcaact	tggcagaagt	tgcattcacc	gaggaaacat	ctgcggctga	actgctcgac	2160
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gaccagggcg	aaccacaaca	atcttcggag	acagttcctc	cacccaagat	tcgcttgga	2460
agtcccatca	aactatcgaa	aaccaggccg	cagagcttaa	atattagtaa	aggaaactcg	2520
aaatcgagg	ctcgacgaac	ttctaccgca	tctgcgggct	ccctttcgga	ttatccctcc	2580
cttacatcta	gtccaggcat	ccgtgaacct	cgcaccgctg	cttcgaatgg	gacaccgctg	2640
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ggtaccgacc	atactctgcg	tgaggagcgc	ttgcgccgtt	tggacaacca	gaaggctcct	2760
aatgcaaccg	tgtcgcataa	ccgggcctta	agccttcccc	tgcaaagatt	catcaatgaa	2820
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ttacaatcat	caaaggatgg	ctcaaccgtg	ccgactaaca	atctgaaact	ccttgcaagt	3000
cagcacaatg	aactttctca	gaggagacaa	tccacttcga	aactcgatga	cgctaccct	3060
aagccgtcta	aagcctgggc	aaataatgcg	aacgcttttg	ccagagactc	cgtcattcca	3120
agtccttcgt	tggaatctac	tgttcgtaac	gacaccgtgt	cttcaccacg	gggctggaag	3180
ggtccgcgca	ataaaagc					3198

<211> 297

<212> DNA

<213> A.fumigatus

<400> 12431

caaaagaaga	tgcacttttc	caagtttttc	ctcgctcgcg	ctgccactct	tgccgccgct	60
caccccggtg	aagtccacga	tgctcacgcc	ctgaagcggg	agattcgtgc	tcgcgatgca	120
tatgccgttg	cagccaagcg	tgccctggat	gcttgtgcca	gcaccactga	ggcacagcag	180
ttgaaccagc	gcaatgtcgc	tcgtcgtgcc	cgcactgccc	gccagctccg	ccagaacaag	240
ggcatcacia	ctagtaagcg	acctctacgc	ttcgtcgtgc	tcccagctga	cggttaa	297

<210> 12432

<211> 366

<212> DNA

<213> A.fumigatus

<400> 12432

gatgctcaca	agtggcgggc	tgacttggct	gccctcgaga	agtgggaagc	catcaaccac	60
aacaagaccg	atgtccttga	ctactccgcc	aacacgccgg	aatcacggat	ttttggcggc	120
aacactagtg	ccatcctagc	ccctaccatt	accgacggcc	catactacgt	ctggggagag	180
attctgcgcc	agaacgtcaa	agaagagaag	tactgtgacg	gtgtcgacct	cacccttgag	240
gtgcagtaca	tcgacgtcaa	cacctgccgg	ccggtaaagg	gcgcagtggt	ggatatctgg	300
aacgccaatg	ccaccggtgt	ctacagggtat	gacctcgtcg	cttatcccga	gaacggaccc	360
tgctga						366

<210> 12433

<211> 639

<212> DNA

<213> A.fumigatus

<400> 12433

cctgacagtg	gcattctctac	atccggcaac	tacgccgctg	acggctggga	ttccacctac	60
ctgcgcggta	tccagcagac	cgacgacgac	ggggtgggta	ccttcgacac	catcttcccc	120
ggccactacg	agggacgcgc	caccacact	cacctctca	cgcatctcaa	cgccacgatg	180
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tactatcagg	aagacggtgg	acaccagaac	agcgcacagt	cggcctttgg	tggctctggg	540
ggagatatga	atggcaccat	gccttcgggg	gttgcctcct	ctgggtgcgat	gccctctggg	600
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<210> 12434

<211> 270

<212> DNA

<213> A.fumigatus

<400> 12434

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acgcgcgtga	cggctgggat	tccacctacc	tgcgcgggtat	ccagcagacc	gacgacgacg	180
gggtgggtac	cttcgacacc	atcttccccg	gccactacga	gggacgcgcc	accacacttc	240
acctoctcac	gcattctcaac	gccacgatga				270

<210> 12435

<211> 993

<212> DNA

<213> A.fumigatus

<400> 12435

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ttcctgtctc	ccccgttaaa	cgctacttc	tgggaaataa	tcttcttata	cagacatgac	180
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aagtacgacg	aggacaacct	ccccgcggcc	ctggaaggcg	tcgacgtgct	cgtcaatcca	300
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gaggaacga	ccgggaaggt	ctcgaatgac	ccggccagct	atctgcgttt	cctgatgggg	840
gagaataaaa	tcaatcatac	cgcgccggg	ctggggagtg	ataatgactt	gatcaatctc	900
cagcagaaga	cctggaagtg	gaagactatg	aaggatctag	cgaagtcgac	caacggaagg	960
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<210> 12436

<211> 261

<212> DNA

<213> A.fumigatus

<400> 12436

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gaagggctgg	cgccagaggg	tattgcacca	gagggcatcg	caccagaagg	agcaaccccc	180
gaaggcatgg	tgccattcat	atctccccca	gagccaccaa	aggccgagct	ggcgtgttcc	240
tgggtgtccac	cgtcttctg	a				261

<210> 12437

<211> 561

<212> DNA

<213> A.fumigatus

<400> 12437

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gccggtgcgc	aaccacaggt	tcctccagat	gttggtgaag	gatttgaccc	accggttcgg	120
aaaccgtgcg	gcggggcggt	gccaattgcc	gagaaaccgt	cgggggccgga	ccaccgggag	180
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gacgcggtac	ctgtcgtggg	cggaggtgcg	caagggcaag	gacagcgggc	acgtgcagtc	360
catgctggac	atgctggcgc	agctgcacat	ggcgcgccgg	cagtatacgg	aggcgggcaa	420
gtactacgag	cggctggtgg	agtctgacca	ggcggcgggg	atagccatac	cgacgctagt	480
gcagaccaat	ctgcagacgt	gtcgcacgca	cactgcgatg	tttgcgagct	actcggcccc	540
tggaaaccggg	tcggctattg	a				561

<210> 12438

<211> 378

<212> DNA

<213> A.fumigatus

<400> 12438

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gcccactgcc	gtggcaagcg	gatctatttg	aatctacttc	ccacaccact	gattcttgca	240
ccccacctcc	aacttggtct	tccttcaactg	gctgataagg	tccccaaacc	ttttcggcct	300
cggaacccat	taaattctcg	tccttgggaa	tcccaactaa	tcattttctt	gcgcagcctc	360
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<210> 12439

<211> 195

<212> DNA

<213> A.fumigatus

<400> 12439

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ccagagattg	tcttcaccaa	accacacctg	caattttcta	acaggcaact	ccagttcctt	180
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<210> 12440

<211> 744

<212> DNA

<213> A.fumigatus

<400> 12440

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tacgactggg	ttgccaaagt	cgaaccggcc	cagcgtgect	atcgtgaact	caacgtccat	360
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gaggtcgacg	aggccggcct	catcaagggt	aacctcttgg	ccaactggac	tttcgaacaa	480
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aagagcatcg	gtgactggca	ctccacacag	cctgtcaagg	agaatgagga	cgagcgatct	600
ggtcgctgga	agggccagga	gaagaccgag	tgtggcatcc	acaacccccg	ttccaagtac	660
gcccagtacc	tgatggagct	ggagcgtaag	agacaggagg	aagctctatc	acaggcactt	720
caaaaccagc	tcaccactgc	gtag				744

<210> 12441

<211> 225

<212> DNA

<213> A.fumigatus

<400> 12441

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tttgatatca	cgtgctcaga	tcagccctat	cttctcgtcc	ctgtcgttgc	tagtacaatg	180
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<210> 12442

<211> 225

<212> DNA

<213> A.fumigatus

<400> 12442
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 tggattgacc gtcccttcac gtatggccta ggtatcacct tgacgatgag aaatcaatcc 180
 gtagtgattg cacaatacag attgttagtt ttacgccaca tgtag 225

<210> 12443
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 12443
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 agcggtggtc cgatcgagca catgagccaa gtgtacagtc ttcgtgccta ccgcaatggc 180
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<210> 12444
 <211> 522
 <212> DNA
 <213> A.fumigatus

<400> 12444
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 tgctgcacgc tgctctcgat caccaatttg ctgtccacgg ccgagacgcg cagccacggc 180
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 gcggatgacg ggagcacgtc ctgcgcctcg ttgaggccgg atagggtcgc cacgaacacg 480
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<210> 12445
 <211> 2622
 <212> DNA
 <213> A.fumigatus

<400> 12445
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 attaaactcg ttgaggcttc tgcagaggca gatcggttct ctataacacg gctcatcttc 180
 aaggacgaca agcgcttcat tgaagcggcc aaattgctga accaatccaa agctcccgtg 240
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 tgcgttatga agccgtcaaa tgtgacagtc agtgccgaaa gagcattttt cagcgaggaa 480
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 gctggcatca tgggaatcgg tcttctctac tgtaactctc agcatcgacg gatgagcgag 900
 gtgatgttgt ctgaaatcga aaatgcggaa caagaggaga gctcgccgtc gcatgaggac 960

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<210> 12446

<211> 519

<212> DNA

<213> A. fumigatus

<400> 12446

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cggcctcggt ccccgcacgc gttcgttaca tgggggcgac tgggtgggccc ggggatgcgc 480
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<210> 12447

<211> 816

<212> DNA

<213> A. fumigatus

<400> 12447

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cgaagtgata	attggattaa	gaacgggtccg	ggctcttccaa	taccgacgaa	agtcataagt	780
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<210> 12448

<211> 219

<212> DNA

<213> A.fumigatus

<400> 12448

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ttagtgactg	agcacgctga	gagttcgtct	agccttactt	atgactttcg	tcggtattgg	180
aagacccgga	ccgttcttaa	tccaattatc	acttcgtga			219

<210> 12449

<211> 507

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (24)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12449

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catctgcgcc	tgtctccccg	tcttcgggcc	tctgctgcta	cgcgtcgttc	cccagtttagc	480
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<210> 12450

<211> 318

<212> DNA

<213> A.fumigatus

<400> 12450

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aagatcacat	atcattga					318

<210> 12451

<211> 1719

<212> DNA

<213> A.fumigatus

<400> 12451

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aataaggaca	agtcgagcga	cagtgattcg	gtgtcttcgg	aatctgacaa	ggatgagtcg	1560
tgtcggctcg	aatattacgt	gtcacatcag	ggtattctat	catcggacca	caagcctttg	1620
actgccggtt	ttacgatcaa	gtatgaggct	gtcgaccctt	atctgaaagc	caaggtacac	1680
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<210> 12452

<211> 990

<212> DNA

<213> A.fumigatus

<400> 12452

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tccgattatc	caaactactt	ttccgacacg	caacagcagc	agaacagca	catgcctccc	180
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gtgaacacga	ttctgtctct	cgctccatac	gcagtggttt	acttattcaa	cccgaagtc	300
cgacagtggg	aaaaaagcgg	tgtggagggg	tcactgtttg	tctgtcaact	atctcaagga	360
agtctaggcg	aggaacgata	cagcgtcttc	gtgttgaacc	gacgcggcct	caacaacttc	420
gatattctgt	tgacggacgg	ggacaatgtg	gagcttacgg	agaatatgt	catcatcaaa	480
tctgactacg	acctggatac	agaccaaggc	atttccaata	atggtgacta	cagtgggtgc	540
aagaagaatg	taaaccccg	cgacgtccgt	atctacggcc	tctggatcta	ctccgagcca	600
ccgccaaact	cgacggcaga	aacacgcaca	atcaacgctc	acatgatccg	ggaatgcgcc	660
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ggccttcacg	ttgctaccgc	cgctgctgag	gctggctcca	tggtatggaat	gcactcgagt	780
gttcctatgg	gtcgtcagat	ctccttaaag	gacctttttg	gccaacagag	ggcacaggat	840
gatgaatgga	gtgtcaaggc	acacaatttt	ggtcaaccgc	aatggcagca	aacaccaatg	900

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gcaggacttg cctgccagga atactcatag 990

<210> 12453
<211> 189
<212> DNA
<213> A.fumigatus

<400> 12453
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gggggttaact ctatgagtat tccccccac tacacatatt ctacacatga cgaccgcgaa 120
accccgacga acgaacaatg gcagtggcaa ccatcatcgt cccaatcaca atggcacgca 180
accctctga 189

<210> 12454
<211> 441
<212> DNA
<213> A.fumigatus

<400> 12454
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cccgccccct catatctaatt ttgccattgt ataatcctaa tctcactcct cttctccctc 120
gtcacctact ggctctccaa cttctgctcc gacgcattcg tcttcttcac atgggtcatg 180
tggctcttcc tcgacctcct agccgcgcaa tccctcgtcg tcttcgtgac atccatcttc 240
cccaacttcg tcatagagtt tgccctcgtc gccttcgcta acggcctctg gatgagcgtc 300
gggtggctttc tagtctcccc gactattctt aaccgcgttct ggaaatatgt ttttcattac 360
attgattatc agtacacccc ccaccccat tttttttccc aagctgtaga ttgtggaagg 420
catgtttctg actaccacta g 441

<210> 12455
<211> 906
<212> DNA
<213> A.fumigatus

<400> 12455
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ggggcctgca gctctgtttc aaaagcacag cgacgtgacc gtattcagac tctattggag 180
tcctttggta ttctaaatca agctgcgacg ctgggttgaa ctccaatccg aaagggtatc 240
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tgttttctgg atgagccgac tagcgggtctg gattcgcactg cgagttatga ggtgatttca 360
tacgtcaagg aattggcggg cgccaacaat gtaagacgaa tcccgctact ggttgagac 420
tggtactgac caagtctcgc agctcatcgt catcgcaagt atccatcagc cgtcgacaac 480
cacattccag ctcttcgaca aattgcttct tttgtcaaaa ggcaagtcct gctactttgg 540
gcccgttcct cagatatcga cctatttcgg cagtatcggg caccatcc cgttgaacac 600
gaatcccgcga gatttcattc tcgacattgt cagctccgac ttctccgatg caaaggaagg 660
caatgccgcg gaacgagtg gcgcatatcca ggaatcttgg ttgcagtcgg ccgagcggag 720
ggcgttagac aaccaaactc cgcagctgat cgagcaccac gagcaggaca ggaagaagat 780
cacaatggga gaactctccc ggccaaacac tgccagtatc acctggtcac tgttgcaccg 840
ctctttcatc aagagctacc gcgatgttgt ggcgtatggc atccgcacgc tcatgtatct 900
gggtaa 906

<210> 12456
<211> 450
<212> DNA
<213> A.fumigatus

<400> 12456

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tgcggcaaga	cgactttgct	gaatgtgctc	gcacgccggg	cagctacgtc	gggcgcgaaa	180
accacagggg	aatgctacgt	caatggaggg	gcgctcgaca	atgccacctt	tggccgaata	240
acttcctacg	ttgagcagga	ggatgctctg	atcggttcgt	tgactgtgca	ggagacgttg	300
aagtttgctg	cggatctctc	gttaccaagg	tatgcttcca	atcatcgttc	tctgtgctac	360
aaggcttacg	gacagggggc	tgcagctctg	tttcaaaagc	acagcgacgt	gaccgtattc	420
agactctatt	ggagtccttt	ggtattctaa				450

<210> 12457

<211> 549

<212> DNA

<213> A.fumigatus

<400> 12457

gacgaatccc	gctactgggt	ggagactgga	ctgacgcaag	tttcgcagct	catcgctcatc	60
gcaagtatcc	atcagccgtc	gacaaccaca	ttccagctct	tgcacaaatt	gcttcttttg	120
tcaaaaggca	agtcctgcta	ctttggggcc	gttcctcaga	tatcgacctt	tttcggcagt	180
atcgggcacc	ccatcccgtt	gaacacgaat	cccgcagagt	tcattctcga	cattgtcagc	240
tccgacttct	ccgatgcaaa	ggaaggcaat	gccgcgggac	gagtgcggca	tatccaggaa	300
tcttggttgc	agtcgccgga	gcggaggggc	gtagacaacc	aaatctcgca	gctgatcgag	360
caccccgagc	aggacaggaa	gaagatcaca	atggggagaac	tctcccgccc	aaacactgcc	420
agtatcacct	ggtcactggt	gcaccgctct	ttcatcaaga	gctaccgcga	tggtgtggcg	480
tatggcatcc	gcatacgtcat	gtatctgggt	aagtacctgt	cccggaacc	aggttcagga	540
gcatgctaa						549

<210> 12458

<211> 543

<212> DNA

<213> A.fumigatus

<400> 12458

ctcacgcgag	ggctggccat	catgatgggt	actgtctggc	tacgcctcca	tgaatcccag	60
gagtacatcc	aacccttcat	caacgcaatc	gtaagtaatc	cttgcctctc	ttccgaacga	120
cgctcacgct	ctgatgtcca	gttcttcgga	tccgcgttca	tgagcttcat	ggccgtagcg	180
tacgtgcccc	ccttctcga	agaccgtgca	accttcatca	aagagcgggc	aaacggcctc	240
tacggcgccc	tcccattcat	aatctccaac	ttcatcatcg	gccttccctt	cctctgtgcg	300
tctctctctc	ttccccccac	ttcccgctcc	ctcatatcta	atttgccatt	gtataatcct	360
aatctcactc	ctcttctccc	tcgtcaccta	ctggctctcc	aacttctgct	ccgacgcatt	420
cgtcttcttc	acatgggtca	tgtggctctt	cctcgacctc	ctagccgcgc	aatccctcgt	480
cgtcttcgtg	acatccatct	tccccaaactt	cgtcatagag	tttgccctcg	tcgccttcgc	540
taa						543

<210> 12459

<211> 576

<212> DNA

<213> A.fumigatus

<400> 12459

ccgcaaggtc	ctgacagaga	tgtaagtgca	gtcgcttttt	caattcttgt	ccttccggtt	60
gtcggatctg	acagcaacag	cgtcaatcta	ggaggccttc	acacgctggc	gagactcgac	120
accacgggtga	ctgttgctga	tgcattcaat	cttctttcca	actttgacac	cgccgagttc	180
ttgtcagatc	gatatggatc	caaggacatt	atcccagagg	atgagcgtac	catctccgac	240
ctcatgggtg	accagatcga	gttcgcagat	gttctcatca	tcaacaagat	cgagaccgtg	300

gatgaaaata	cccgagcaag	aatcagaaga	ttgttgaaga	cactcaaccc	cgaggccaaa	360
gttctggaaa	cgagttactc	togtgttgat	gtgaaagaga	ttttggacac	gggaaggttc	420
gatttcctca	aggctgcttc	gggggcccgt	tggttgcgca	gcctgcatga	aatgacaatt	480
cagaatactg	gaaatgggca	gagaatggct	ccgaagccgg	agaccttgga	gtttgtctcc	540
cctgccctcc	atccaacatc	agggaaggta	cactga			576

<210> 12460

<211> 354

<212> DNA

<213> A.fumigatus

<400> 12460

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ctgaacattg	atgctgcttt	gatcactcat	cacagggtgt	cccagacaaa	ggaaaagctc	120
atccagctcc	aaaatggatg	tatctgctgc	acactacgtg	gggacctgct	ctcggagctg	180
gctcatctcg	cgcgccaaaa	ggaagtgcag	tatgttgtca	ttgagagcac	gggaattagt	240
gagccgatgc	aagtagcgga	aacgttcacg	gccgagttca	gcagtgcaat	gctgcaggcg	300
gatcaggaga	tgctggtgga	tgaggatagc	cgcaagggtcc	tgacagagat	gtaa	354

<210> 12461

<211> 927

<212> DNA

<213> A.fumigatus

<400> 12461

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tctcccctgc	cctccatcca	acatcaggga	aggtacactg	acttgaacag	gtatgggatc	120
aacaactttg	tgtataccgc	togtccggcc	ttccatcctc	gtcgactctt	cacccttctt	180
catgataaat	ttatcctgct	gcaaaacaac	gaagccgatg	aaggtgacga	ggacgaggat	240
gagaaagaag	ctgcagacga	aggagaagaa	gaaggtgaag	agaagacga	tcatatggaa	300
atggacgaag	acgaagacga	aaacgacggc	gatgacgatg	acgatgacga	aagcatctcc	360
gacttttgagc	agccagatcc	gtccgagatc	ctgaagaaca	agcgcaacca	tcccgcgttc	420
agctccgttt	tgcgctccaa	aggtttcttc	tggtcgcgta	cacggccatt	ccagtttgga	480
gaatggagtc	aagcgggtgg	catgctaacg	atgggatgcg	gcggcccatg	gttcgcagaa	540
gtgccagacg	aggcgtggcc	tgaggatcct	gacgtccgga	aatccattga	gaatgatttt	600
cgagagccac	cattgggaga	ccgaagacaa	gaaattgtat	tcattgggtga	gggaattaac	660
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tggaacaaaga	tcatgaacaa	caagaggcta	tcttaccggc	aaaaagagga	gaagctggga	780
aagctgtggg	aagatggctg	ggaggcatgg	cctgagtttg	gtattgtaga	tgaagacgag	840
gaagacaaca	acgagggagg	gaagaagaag	cacaaacaat	acaccagcga	gtatcaggga	900
cgtgtccaat	cccattccta	caaataa				927

<210> 12462

<211> 324

<212> DNA

<213> A.fumigatus

<400> 12462

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aaccagttca	gatatatcca	gcgctatggg	gttggcacc	agtcgctgaa	agagcctatt	120
gatatcgtct	ggtcgaaaca	gagattttat	gcgttcagcg	gcagtatgct	aacaaggcca	180
tctagtcagt	catacaagat	cgcagaaatg	aacggatggg	tctacatacc	ttcaaaagcc	240
tacaatacgc	atgcctcagg	ctttcccagag	gctcgcaaga	tacttgaacg	tagtgagcaa	300
tgccggacgac	tccaccacaa	atag				324

<210> 12463

<211> 186
 <212> DNA
 <213> A.fumigatus

<400> 12463
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 tccagagcat atttttccga tgagctcatg tcttgatctt ttcattctgg tcagtatcta 120
 tttgtggtgg agtcgtccgc attgctcact acgttcaagt atcttgcgag cctcgggaaa 180
 gcctga 186

<210> 12464
 <211> 561
 <212> DNA
 <213> A.fumigatus

<400> 12464
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 tgccgtctcg cactggcctt cttgacgagc gaccagagc gactgactga ggctcctgac 180
 gtgatgagcg atctgaagat gatcatcaac cttctgaagg atcgacgatt caacattaac 240
 ctatataaag ggagaggcaa tcttgagtat gactacggag aactcagtc agtgacagac 300
 cttctcaacg ttgctattga ttccgggatgg tctggactgg catttccgac aaaagaggcc 360
 gagaaagact ttaatgccga tgttgacagg ctttctgac ggggtcaagaa gatctttgtg 420
 tcgattcaag actcaggcgc gtctcacctc aagcggactt tggcgaagga ggccctcgaa 480
 actttgcact accgcatcat taattctgta aggtccaaac cccttccaaa gaaaacaatt 540
 gcttggtcat tacggagctg a 561

<210> 12465
 <211> 378
 <212> DNA
 <213> A.fumigatus

<400> 12465
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 gaacatccaa atgctgagtc caattgttca gaaaacatta cccaggagcc tgtggaacta 120
 actgctttgc tttccgacca tacagaagtc gtccgcgaga aggtccagga tggactgaca 180
 ggggaaacta aggagatttc gtactcacia tgtaaaatcg tccgcaatgg atcgtttggg 240
 gtcgtctttc agacgaaaat gatgccaaagc ggcgaggatg ctgccattaa gagggctcct 300
 caagacaagc gcttcaaagt atgtgtacat tataagggca attgccctcg ctgcccaacc 360
 caagatact gtcgctga 378

<210> 12466
 <211> 324
 <212> DNA
 <213> A.fumigatus

<400> 12466
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 tgtgtgatgg ctgaatcat gcttggtcag ccattgttcc ctggagagtc ggggaattgac 120
 caactggtgg aaatcatcaa ggttcttgga acccctactc gggagcagat ccgcaccatg 180
 aacccaaact atatggagca caaattccct caaatcaagc cacaccatt caacaagggtg 240
 accacgctct taaagaactt cttgcgaata tgactgact tgatgacccc aggttttccg 300
 gagagctcct cacgaggcca ttga 324

<210> 12467
 <211> 207

<212> DNA

<213> *A.fumigatus*

<400> 12467

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gtaccagact	ccgtgtatcg	ggcggtcgccg	tactttaata	aactcaaaac	gactatgcca	120
atgtcgggaag	tcaagctgta	tatctatcaa	ttgttccgtt	ccctggcata	catccattca	180
caaggcatct	gccaccgtga	catctag				207

<210> 12468

<211> 264

<212> DNA

<213> *A.fumigatus*

<400> 12468

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ctcagagatc	ccaatacgcg	actgccccgac	tctcggcacc	ctgggtggcg	tgctagagac	180
ctccccaatc	tctttgattt	ctccagacat	ggtttggtgt	cacttgaggc	ccaaattcat	240
tcttcagat	ggcttattcg	ctga				264

<210> 12469

<211> 216

<212> DNA

<213> *A.fumigatus*

<400> 12469

ggagcagact	gtagtttcga	gtctcaattc	tctcattctt	tgacggaggg	caacccgatc	60
atgtacaagt	gccagcaaat	cgggagcttc	tggggtaaca	ggtttacaca	gcacaacttt	120
caggtagatc	cggtgtactt	gatcaaaaaa	aatagagagg	aaaggcagca	cgaagaaatg	180
atacacgtat	ctgtgtttat	acatactagc	gaatga			216

<210> 12470

<211> 1632

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (857)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12470

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cgggaaggga	atcagtcagg	agagggagag	tggattttca	acaaggactt	tgttgccaac	180
gtctatgttg	gcttgacctc	tttggtgaaa	ggaggcaagc	ccaacttata	gttgcttctg	240
gatcaattgt	ttggcttaaa	agcgagcgct	gggttgggca	ctccaacggc	aaagagagag	300
cctacaatac	tttcagatct	aatctgcagc	tcagatctat	tagcccgctc	ggagagggtac	360
ttgaatatgc	atccgcaaaa	acggggtgaa	gatctactat	ccagcttgcg	gtcgtatcgg	420
gatgagtcga	aagcattcca	ccaccggtat	cagaagcaaa	ggaagaagac	ggacaaaaggc	480
aaaggtcgtg	tcttagatct	tctactgcc	gagaatatgc	atgtccacaa	gatgtcactc	540
gtgacacagg	tgcaagatct	cttcocctgat	ttgggtcccg	ggtacatcgt	tcgattgctc	600
gatcactacg	gcgacaaccc	agaggcggtc	gtcgcacacc	ttctggatga	ctctctacca	660
cctgaacttc	aagaactcga	tcaatccgag	caacttctctg	tctcagaaac	gtcaccccggt	720
cacgaccctg	tacccccaca	cgcaactcca	ccagaaatac	catcgcccg	cgcaccggcc	780

cctcgcaaga	acatgttcga	caacgatgta	gacctcgccg	aaatagcccg	ctcagccgac	840
caggccaggc	aaggcanatt	gcattttcggc	cgcagagatt	cagatctcac	cgcgacacc	900
atcctagctg	accgcagcca	gcacgcagtc	aacaaggcag	ccatcatgtc	cgactggca	960
gccttcgact	ctgatgatga	cgagcacgac	gacacgtacg	acgtcgccga	cgttggtggc	1020
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agagccgagg	accttgacat	gacctcttct	caagcctaca	aggccaaccc	ggccctcttc	1140
gcccgtgatt	ctgccacgcg	ccgctcacia	ccccgggcgt	cgctcaagcg	cgagaccggc	1200
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ggagcttctg	gagaccagaa	ccccactgtg	gctcgacaaa	ggaaggaaga	aaataaggct	1560
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<210> 12471

<211> 387

<212> DNA

<213> A.fumigatus

<400> 12471

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cgtaacagat	caacctggca	tgccaccacc	ccgggcaatc	ttcctggctc	tctgttggcg	180
tctgttgtga	ttcgccctgc	tagccttatt	ttcttctctc	ctttgtcgag	ccacagtggg	240
gttctggtct	ccagaagctc	cagcattagt	ccctcctctg	cgcgccttgc	caccaccgcc	300
acctcgtcga	ccaccgcgac	caccgccccg	tccggggacct	cctctgccac	cagaagcgga	360
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<210> 12472

<211> 225

<212> DNA

<213> A.fumigatus

<400> 12472

gttgggcttg	cctcctttca	acaaagaggt	caagccaaca	tagacgttcg	caacaaagtc	60
cttgttga	atccactctc	cctctccgga	ctgattcccc	ttccgaaaat	tgtgtcctat	120
gaaattccga	aaccctcccc	taagcccctg	gcccgcgaag	gaagaaattt	gcataacctt	180
attttctctc	acccaaccgc	gatgttccca	atgttccctt	cccac		225

<210> 12473

<211> 696

<212> DNA

<213> A.fumigatus

<400> 12473

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gacttgggtg	cgcaagaatc	atttcctcaa	aagatgctgc	gcaccaccat	ggatgtcgac	420
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cgcgatactg	gcatacccta	cgccgttttc	accttttatg	acggcaacaa	gaaagtaatt	600
ggcaaaactg	gggatgtcgc	gaagcaagtc	cgtatcctgg	aagaatgtcg	gaagtcgtgc	660
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<210> 12474

<211> 1287

<212> DNA

<213> A.fumigatus

<400> 12474

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ggcgaactat	gtcaagacgg	ggtcgaagtc	gaggaggcaa	aggcgttgat	gagagatgtc	1260
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<210> 12475

<211> 450

<212> DNA

<213> A.fumigatus

<400> 12475

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ttagcggggg	agaagcgaaa	ggatgaagag	accgagatgg	tgctggcccc	ggcagatgga	180
gggatgacgt	tcaaccggga	actccctggc	ttggcttggg	ggcttgaagg	gtggtttgcg	240
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gttgctcctc	tgaaaggctg	caatgaagag	gaagccaaga	aatggctcat	caggagtgtt	360
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<210> 12476

<211> 1290

<212> DNA

<213> A.fumigatus

<400> 12476

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tcacgtgact	atatacgtgac	caagtcacag	acgacatcct	ccgggacaag	ctcgtgtccg	180
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gagcgtgtcc	cagcagatgc	tattttocatt	ttcgtggatg	attctatggc	aacagtatcg	360
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atcaaatacc	agagtgcctgc	gagggcacccg	cgtgtttcta	taacggttga	cagccgcgaa	1260
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<210> 12477

<211> 309

<212> DNA

<213> A.fumigatus

<400> 12477

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gtgacggctc	gcgcggctgg	agctgatacg	gatgggaatg	cggtcgggga	tgggctgctg	180
gtcgcggaga	tcgatctcta	tgaactgtgag	cgcggaacgc	tggatatgga	cgctcggggg	240
agctattcgc	gcaacgatgc	gttcagggtt	acggttgagg	gcttggaact	gagtcctcct	300
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<210> 12478

<211> 1581

<212> DNA

<213> A.fumigatus

<400> 12478

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ccatcgccctg	ctgcatctcc	tgcctttcgt	tcggtcgagc	aactgaccat	cccgcctccg	300
tccaccgggt	cgtcgcctcg	tgttcctcct	gaagatcttg	cgttttacca	gcgcttctcc	360
gacgtgcgcc	tccccacttc	tcttcgagac	ccgccagaca	actcgtatcg	tcaacaaccc	420
caacacgaac	aacaacaaca	ccatccccat	cagctatata	gtcatcgta	tcgtcaagat	480
catccgatc	atcagaatca	ttcggaacat	cctcctccgc	atcaaccaac	aatcactcgg	540
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gctgtactc	acttcatcga	tgtctgacct	gccgaccagt	ccagcgtgga	cagggcgctc	660
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<210> 12479

<211> 186

<212> DNA

<213> A.fumigatus

<400> 12479

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caagtaggtc	aatgtcccc	ggtttcatgg	tcgtttccat	actgtgacat	agcagagaag	180
aggtaa						186

<210> 12480

<211> 447

<212> DNA

<213> A.fumigatus

<400> 12480

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cagagccaac	acaaccagcc	cattccaaca	tggatgaagg	ccgttgaggg	actttccggc	180
gcagcaactt	tgtacggact	actcgggtca	ctcttcacct	gctgcgtggg	agggcttgcc	240
tttttcgcct	tcctggctat	cgtgcttgat	gtgtgcttca	ttggagcgat	gattgccatc	300
gccgtgatga	cccgtgacgg	aacgcagtc	tgctccggga	tcgtctatac	tcccctgggc	360
tctggagctg	ataatatcga	cagagcatct	ggcgtccggc	tacgctactc	atgcatgctc	420
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<210> 12481

<211> 957

<212> DNA

<213> A.fumigatus

<400> 12481

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ccgaccgaaa	actctgaaaa	taatccctca	gatcaaactg	cgggtggcca	aggatcgaca	660
agcgtttcta	cggagatcac	tgcgcccgca	gagtcggccg	ccagccaaga	ccaattttcc	720

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acatcaactg acttaccacg cttgccggga gatggagaga aaaatcgcgag agagagaccc 780
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aacacgccgg atcctgcaga aggtttgacg gatcctatga tgttctccca agacggtctt 900
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<210> 12482
 <211> 615
 <212> DNA
 <213> A.fumigatus

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<400> 12482
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gatgagatgg gctga 615

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<210> 12483
 <211> 186
 <212> DNA
 <213> A.fumigatus

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<400> 12483
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gccgactctg cgggcgcagt gatctccgta gaaacgcttg tcgatacctg gccaccgcgc 180
atttga 186

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<210> 12484
 <211> 471
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
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 <223> Identity of nucleotide sequences at the above locations are unknown.

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cagagtgttc ttgggagcga atccgggcaa gtccctatc tcttcggatg tctgggtctg 420
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<210> 12485
 <211> 219

<212> DNA

<213> *A.fumigatus*

<400> 12485

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cttttacttg	ttctcaccgc	acttgttgat	attgtacgac	gattcttctc	attaacggat	180
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<210> 12486

<211> 183

<212> DNA

<213> *A.fumigatus*

<400> 12486

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taa						183

<210> 12487

<211> 468

<212> DNA

<213> *A.fumigatus*

<400> 12487

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cgaccgtcct	ttgccagccc	accggtggca	aggccagact	cactgagggc	tgctccttcc	420
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<210> 12488

<211> 342

<212> DNA

<213> *A.fumigatus*

<400> 12488

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agccggaaat	cggtcgtgga	gattatccca	gatgatgacg	cgcttcagga	aaacaacatt	300
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<210> 12489

<211> 2259

<212> DNA

<213> *A.fumigatus*

<400> 12489

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ctttttaccgg cacacactgg agagaaaggt cctggtttcc actcaatctt cagcaccgtg 180
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aagaaggctg atggtgcagt cattccaacg gccagctgga cgggacacgc tgattctggg 1800
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actcctactt cgaatccagg tagtggtcgg cggggtcgga gtgccaagct gatggactcc 2160
cctgctccag agccgtccgg cgcgaagact aatggacttg taaatggcga gcagcatttg 2220
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<210> 12490

<211> 522

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (448)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12490

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gttaccgcca ccgaaccggc tggttcttca caaacaacat cagtccatagg cgaaacagct 180
aagtcattgg tatcagcagc acagacacct tcatctcgaa atctaggttc tggccagcgg 240
acaccaggaa gtgcgcgcaa tggcctcccc gagcgaccgt cgatgttcga tataccctcg 300
gatgaggagt tagaacttgg gcgcagcagc aaaaggagaa aaattggtat gttattgagg 360
gctcctgatg atttgattac agtatctaac aatgcgaaat tcaagaatct cccaaagtta 420
accagacatc gggcgaattc agacgtcnca gcccaggaaa cgagtttagc acagtcccgg 480

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gcgggacagc acgaagagaa gcgcacaagg gaggccttcct ga

522

<210> 12491

<211> 1680

<212> DNA

<213> A.fumigatus

<400> 12491

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gatttggaa	ccagagctgg	atctaaacca	atgacgcagg	cagagaaagg	gagcaacatg	180
cattccaagg	gaatgtccct	cgacataggc	caaagcccct	atcttcttcc	tcctggttta	240
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ttccacgatg	agacgtcggc	attctccaga	tcacagagta	aagccagtct	gcgaggagat	420
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aacggtagcc	gtggaacaag	cccagcgcca	ggtggccatg	ccgacggcag	cgaggacata	660
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ccttcattgg	agctgcatct	cgacactcgt	gaacaacagg	gtcgtcccat	tcaggaagat	780
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cttgatgttc	gtcgtgacac	tcgtagattc	accctgggac	ttcgccctct	gcctccagag	1080
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aaaagagaag	gacgagcaga	gaccctctct	ggtggattgc	gtccttacac	tccggtaca	1620
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<210> 12492

<211> 216

<212> DNA

<213> A.fumigatus

<400> 12492

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tccacctggc	cgtgcgttcc	ccgcgcgtc	gaccagacat	tgtacctcga	gaccgtgtgc	180
ctctcttgg	tggcaccgaa	gatccaaccc	ttgtga			216

<210> 12493

<211> 222

<212> DNA

<213> A.fumigatus

<400> 12493

atggccgagt	ccaaatccgg	atctccgtac	gccgtaggcg	ccagtccctgg	taccaggatg	60
cgcggttcgg	tcaaaccggt	tgtcctctgt	tccaggacaa	gcacctgggt	attcggatct	120

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gccaccaatc tgttggcgac gactaaccgc gacatgtcac cacccttaa tgatcagatc 180
aaaggctcgc acgtctacca gcagccgagt tggatatctat ga 222

```

<210> 12494

<211> 213

<212> DNA

<213> A.fumigatus

<400> 12494

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gttcagtctc tggtaagatc ctccggtttcc agccaattgc tgtatcagtc tcagtgtctg 60
atcctctgga aagcgactac tagttcagag ctacatatgt ctaaaggact gccggcccta 120
ctagatgcta taaatatcag tcaccaacaa actctgaatc ccgctaacac cccactcagg 180
gttgacttgc aagacaaaat ggaaaccgcg tga 213

```

<210> 12495

<211> 717

<212> DNA

<213> A.fumigatus

<400> 12495

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aggcgactga agagatgcga aaaaaagtat ggagaaatga caaagactta cataaagtgc 180
ctctgcagaa ggacatttct cagagcaacc ctgccacaag caggaaagtt gttcatcact 240
cggaggagtt ccgttggcct ggggagcact aacagctgcg gtcgcagcag ccgcggtcgc 300
agtcacggag gctggagggg tcgaagtaga cacaggagcc ggggtttag ctgcaggctg 360
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agcagttgtg ttgttgttgg ttgcggtatc ttggtgttca gacattgtgc caagactgat 480
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tgtgatgaat cgtgtttccc aacacaaggga gagaaaggga gaaagggaga agggataaaa 600
agagtcagag aatcagtttg ttggaggagc aacggacgtc gtctgccaga aaataatcag 660
caagactcgg tgaatcgctg cgcaaaccgac aacgcaaac aagctgtaaa gtcgtga 717

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<210> 12496

<211> 189

<212> DNA

<213> A.fumigatus

<400> 12496

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acaccaagat accgcaacca acaacaacac aactgcttcg ccttcggcaa cggcggctcc 60
tatgcctgca cctatctcgc aggagcagcc ttcgtcgcag cctgcagcta caaccccggc 120
tcctgtgtct acttcgacct ctccagcctc cgtgactgcg accgcggctg ctgcgaccgc 180
agctgttag 189

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<210> 12497

<211> 399

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (173), (181), (247)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12497

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nagcgtcccc	aggatctaaa	gaaacacgtg	aagacccatg	ccgatgactc	ggtgcttggt	240
cgggtccnccg	agccgggagc	tagaaatccg	gatatgatgt	ttcatggagc	tggaaaaggt	300
aatgacgaat	gccgatgttc	tctttgcact	ctcggggctg	acatgatcct	ccttgaccag	360
gctatgctgc	tgccgcccat	tacttcgagc	catccttga			399

<210> 12498

<211> 459

<212> DNA

<213> A.fumigatus

<400> 12498

tatcctccct	tcattctccg	ctgctcccaa	gaaaagggac	aagaaatcag	tcttggcaca	60
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gcggctccta	tgcctgcacc	tatctcgcag	gagcagcctt	cgctcgcagc	tgcagctaca	180
accccggtc	ctgtgtctac	ttcgaccctt	ccagcctccg	tgactgcgac	cgcggtgct	240
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tctgcttgt	ggcagggttg	ctctgagaaa	tgtccttcg	cagaggcact	ttatgtaagt	360
ctttgtcatt	tctccatact	ttttttcgca	tctcttcagt	cgctcaacc	tggcgaaaa	420
cgccctcaac	cggacaacac	aaactcctgg	cctacttga			459

<210> 12499

<211> 741

<212> DNA

<213> A.fumigatus

<400> 12499

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ccttcctacg	gaaatgtata	ctacgctctt	aaccacggtc	acgacggcca	tgcttcgtat	180
gaatccaaga	agaggggcta	cgacgctctg	aacgaattct	ttggcgatct	gaaacgccgt	240
cagtttgatc	ttactctta	cgcagcggtc	ggccagcgcc	tctcgggtct	tcagaatctg	300
tctcttcccta	tctgaccgg	tggccctttg	cctgaatacc	agcccatgcc	cgcgcgggtg	360
gccgtgggtg	gtggctacgg	cctgggtgga	cacggtgctc	ctgtctacca	tctccccca	420
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gcccattacg	ttcatggcgg	catgagctac	cgcaccacac	actccccccc	aacgcagctt	600
cctccaagcc	acgtgtgtgc	caccacctct	gctagcactt	ccatgagcaa	ccctgccacg	660
cactgccttc	ccactggcac	tccggcttta	acacctccat	ccagcgccca	gtcgtacacc	720
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<210> 12500

<211> 1635

<212> DNA

<213> A.fumigatus

<400> 12500

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cctccatcct	cgggtctggt	cgctctgact	ctctactcgt	ttttgtacac	gctcctcgtc	180
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aattaccagg	ctgatccctt	agtgcctgat	ccttcttcta	gagcaaatac	atccaacgtc	420
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ttgtcttcgc	tgattgcata	tttctccatc	aatagcttag	tacgtgcttt	gaatccggat	540
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ttggaggacc	tggaccgact	gaaccaatgg	caggatggtc	gttacgtctt	cctgaccagt	1020
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ccagatgagc	acgaagaaga	atcatggctg	gactgggaca	gtcgagtggg	tggggccatt	1140
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aacggcatag	tcgatgcctt	ttggttcttc	ttttacagtt	tcaatctcgg	aaatgtgggt	1440
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aacggccagc	ctaaagctct	tttcttttagc	gccattcccg	cgggcgaggc	atatagttat	1560
gaagcggtgg	agaaaatcgg	acaacgagta	agttgccact	cccacactgg	tgattttggt	1620
tgggttagag	gctga					1635

<210> 12501

<211> 516

<212> DNA

<213> A.fumigatus

<400> 12501

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gtccattcgt	atgttctccc	ctggggactt	cttcatgacc	aaacggaccg	aggacctctc	180
tgggatccctc	tcttgaattc	gcacatgtat	acgtacgata	atgtgaatga	cacgttgccg	240
gcctccacag	ccagcccgtt	ggcacctacg	gagtggttct	actttaacgg	tactggggga	300
gataagttct	atccgctggg	agaccgtcga	cagtatcgct	tcgcagggtca	atatcactac	360
gttaacggtc	ccctgggccc	gcggttcaag	catctgcacc	gccgcaagggt	gtgtcaaggg	420
cccagcgagg	atccctgtgt	gattaaagat	tgggtgggag	aaaagatgcg	gcccgaagcg	480
ctgccaaatc	cccggcccca	cgagaatcca	gtgtga			516

<210> 12502

<211> 294

<212> DNA

<213> A.fumigatus

<400> 12502

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gcacagaca	acgtcaagaa	gctcggaaa	aacaacgatt	tgatcgaacg	cgcccgccgc	120
accgcttct	tcgcccccat	ccttgacgaa	ctcgatactc	tctcgaacc	cagcaccttc	180
atcgcccgcg	ctccccagca	ggtggagaag	ttcacatcga	cagagggtcaa	gaaagcactt	240
gagccctacg	aagagcacct	cctcaatgcc	gagaccgccc	ctctttacgt	ctaa	294

<210> 12503

<211> 417

<212> DNA

<213> A.fumigatus

<400> 12503

accgttgga	agagagcctg	tctatggatt	caggacttgc	tcatggatct	gcggaacctt	60
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gagcggggccc	gcaatgacct	ccgtttccgt	ggtgtaaagg	gtaccactgg	tactcaggcc	120
tccttctctc	agatcttcaa	cggtgaccac	gacaagggtg	agcagcttga	tgagcttgtc	180
accaagaagg	ccggttttga	ttcggttttc	atcatctcca	gccagacata	ttcgcgcaag	240
atcgatgttg	acgtggccaa	cgctcttggc	tcgtttggat	ctacttgcca	gcgtatcggt	300
attgacatcc	gccatctggc	tatgctcaag	gaggttgagg	aaccttttga	gaaggaccag	360
attggaagca	gtgctatggt	aagtcgaact	cttgcccaca	aggtgaggag	catgtga	417

<210> 12504

<211> 258

<212> DNA

<213> A.fumigatus

<400> 12504

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cttgaaggc	acctccagaa	cctgccccag	gatgctctgg	atacctactc	cgcaaatgg	120
ttcgagcggg	cgttggtaag	ctatactccc	caacgtcgtc	gtatgcacgc	aacgtttctca	180
ttgacctttt	ccaggatgac	agcgctatcc	gccgtatcag	cattcccag	ctttaccttt	240
cggccgatgc	ctgcttga					258

<210> 12505

<211> 612

<212> DNA

<213> A.fumigatus

<400> 12505

agcgaatcag	ttccagcgag	gatatgtttc	tcccaggcga	caaactctggg	ccacggagca	60
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tttttgtgtc	actcagatgt	gcctcatggt	ttcgtgaaag	tacttggatc	gcctgcctca	180
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agtgccgtgt	ggcagtatgc	tctagacacg	acaaaagcag	ctcggagtag	agggatggaa	480
gttctaggca	tgtacaacgc	aaccttgcaa	gctgctagct	gggacggcaa	acattatggt	540
gaaaaggtag	ctatgatgca	agccatgatg	gtaagttctc	gtctctgctc	tgaagcagac	600
tatctgatct	ga					612

<210> 12506

<211> 420

<212> DNA

<213> A.fumigatus

<400> 12506

aaggtagggtc	gagctgagtt	tgaagacatg	cttcctcgga	aactgatctg	tccagacacc	60
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aagaacgagg	gcgaattctt	tcatatccat	ggctccctcg	aggctacgac	gacactcaac	180
atgattggat	tggagggtca	ccgtcctgat	ctcacagact	atgaagagat	cattgagggt	240
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agacaagctg	gggtcacggc	attcaaatac	gaggatttca	tcaatactcc	tcatgttcgt	360
ttagtcaatc	gttccgtcgc	tactggacca	caagctgatt	gttttgccag	gacggcttaa	420

<210> 12507

<211> 381

<212> DNA

<213> A.fumigatus

<400> 12507

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gccagtcgca	gtgcaagcag	gaagatcctg	gagggatca	aggtgctgga	gctttgccgc	180
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attactagcc	ctaattcttc	agatgtcccc	ttcttccagg	ttgatggtaa	catgggcaag	300
catgccgcgg	atctggactt	gaaaactacc	gaaggacgtc	gccagtttgt	cttcaccgcg	360
gggctgcaaa	gagcgctcta	a				381

<210> 12508

<211> 408

<212> DNA

<213> A.fumigatus

<400> 12508

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gacgaagcac	gcctaattct	ctcatacctc	tgcgatcaag	ctgaacgact	tagtctgccg	120
ccccagatcg	tggaaaataa	ggatgccgtg	tcattctcat	cttcccacaa	cgagatctac	180
taccgatcc	cattcaaaga	aaccgagact	ttggccgcat	tgaagggtgt	cgaagggtgt	240
gtcgctagcg	caattgccga	cttgcgattt	ggtgaacaga	agcgcaatgt	caaaatcaac	300
ctggagaagg	cgacagcttt	cggatgccag	gcatacatgg	ccaaacttga	tggactttct	360
aaactggacc	cagctgtcaa	gtcgaaattg	aaaggtaggt	cgagctga		408

<210> 12509

<211> 192

<212> DNA

<213> A.fumigatus

<400> 12509

ggagtatttg	aaatcaggag	tatccttctc	ctttccttcg	gttatcaatt	cctggtatgg	60
atctggcaga	gttcctctga	tgcgttgagc	aaagctcaat	cgaatttctt	tgtcaatggc	120
gcccgtaatg	aacgccattc	ttgggtggac	aagcggggagc	tcgaggtcct	caatcctgaa	180
accaaccgtt	ag					192

<210> 12510

<211> 834

<212> DNA

<213> A.fumigatus

<400> 12510

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acggttggtt	tcaggattga	ggacctcgag	ctcccgttg	tccacccaag	aatggcgctc	180
attacgggcg	ccattgacaa	agaaattcga	ttgagctttg	ctcaacgcat	cagaggaact	240
ctgccagatc	cataccagga	attgataacc	gaaggaaagg	agaaggatac	tcctgatttc	300
aaatactcct	cagatagtga	gtcttacctc	atatgttgtc	ctcgttctgc	ctactcgaaa	360
gggctaacta	aaatccttat	tcctacagct	actccttacg	ccaaagaagg	cagagaaatc	420
atgcaactca	ttcgtagaaa	agcgggcgat	gaggagattc	agccactgat	caccgccatc	480
gaggagcaag	cgaaggccct	aggagtcgac	gaccctatgc	tgcctctac	cgatgccttt	540
gtcacgtcta	tctgcttcgt	tggctctaag	tctctttctc	acgtcctgtc	atgcattgag	600
cggaaacaagg	aaagactggt	ggcaattggg	cccaaatacag	ctcgtgcccg	ttgtcagatc	660
atcacctcag	tgatggagta	ctgggtggat	caaccaggcg	tcgcgatcaa	tatcatcgac	720
aagctgttga	actacacgat	tctgacaccc	ttatctgtca	tcgaatgggc	cctgggtggag	780
aggttgcaag	caggaacaat	tcttcagcag	aacacatcct	cacaacggcg	atga	834

<210> 12511

<211> 927
 <212> DNA
 <213> A.fumigatus

<400> 12511
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 tcaacaccgc atgctctagt tgacttgggtg aatccatttg ccttaaagga tggatgaacca 180
 actgctgtgc agagcgtcat cagtttgctt cagaaccaac tccaagccga ggcaaaccgt 240
 ggctgggaac ttgcttgccct tcctcggccc tggaagaggt cggaaaagcga agaagatggc 300
 cccatagaag cgggacctaa acatgctttc cctcagatca ccgtcccga tccctgtacga 360
 aaaggagcca gggcaatttt ccccgagatc tacctctctg tatacgcgaa tcaagacttg 420
 gagacggtcc ctccgacgtc ggacattgctc tcgtctctgt tgagagaagc actcgtggat 480
 acaatcaaca tcctcgactt caaccgcatc gctactgcca agtttttgat agatgtggat 540
 tgttatttca caccatacac ttttgtgaag cgtgctacgc catttgacag gctgcgcat 600
 ctccctgggg atcgccctac atggaagcct gaggatgtgg ctgtcgacgc cgtcttctcc 660
 cagctattcc agcttccttc cccagaacat aagcttgctt attatcactc agtcctcaca 720
 gaatgttgca agattgcgcc cgctgcaatt gcccacagtt taggtagggc tattcgtttc 780
 ctgtatcgaa gccttgacac aattgatttg gagctcatgc accgattctt ggattggttc 840
 gctcatcacc tgagcaactt tggattcacg tggaaatgga gcgaatgggt ggtgagcttg 900
 gtccgaacat cattgtctgt atgctaa 927

<210> 12512
 <211> 297
 <212> DNA
 <213> A.fumigatus

<400> 12512
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 gatctgtctc acacgcagaa cattgggtcgg ttgatcaaga cccgttttaa gggctcgcag 180
 ttcattgttg tctctttgaa ggacggcatg ttccagaatg ccaaccgtat ctccggacg 240
 aggttcagcg agggaaccag tgtggtccag gctctgacac cggctgatat gaagtaa 297

<210> 12513
 <211> 459
 <212> DNA
 <213> A.fumigatus

<400> 12513
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 catggggcca atcaagccgt ctgttccgct ggccggaaca acaactgtca gatgtctccg 120
 agttccgtca ttctgccac cgccaccctg tcctgtggg tgagcatcac tatctccgga 180
 attgagcgat tgctggcac tctcattcaa tcgttttcca acgtcaaccc tgacaattct 240
 tccggtgtgc caaattatta ccaccttcac cttaatacta tctcttgggt ttacctagtc 300
 acgtctcgct tgcaaactca tcaaccttgg tcctatccgc gggtcgacca aatcagtcac 360
 tcagccgata acaatgcccg aggaagaacc atcgctcaac atcccgtcgc tgctcacttt 420
 agcagtcggt tctttcttcg ttatcagatg gttccttaa 459

<210> 12514
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 12514
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gctgggtcct atccattagt actgaatgga cctgaatgtt ccgtaccag gtacgagaat	120
acaagctcag gtaccatgca tggggggtca ggagtcagga acaatcatca tcatcatcat	180
catcatcatc acactcacac acctccatga	210

<210> 12515
 <211> 540
 <212> DNA
 <213> A.fumigatus

<400> 12515	
ctctgctcat tcagaaccgg atggcgctcg aagaggtatg ttattctatt tcccggtaaa	60
cggatgccat tgggggggtcg ctcatgcttc tgcagcaaa acgaagttgc aaaccatctt	120
gatgacgaag atccccaga ggggtttcttc cccaatgatg agaaaacgca gaaatatgga	180
aacctcctat ttcttctgca atccgaaccc cggcacatcg ctcatctgtg ccgacttgtc	240
tccatgtcgg aaattgattc ctttctccag accgtcatgt tcaccatcta cggaaaccag	300
tacgagagtc gtgaagagca tcttcttctg actatgttcc agtccgttct cacttaccaa	360
ttcgataaca cccccgagta ctcgctactg ttgcgccaaa atacacctgt ctctcgcatg	420
atgactacct ataccgctcg cgggtcccggc caaagttact tgaagcaagt gctggcagaa	480
cagattaatt ctctgattga gctgcgogat gttgatctgg agatcaaccc tctgaagtag	540

<210> 12516
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 12516	
tccgctgcc gcccttctc cgcttcgttt caatctatct ctttgggtc gccaatctt	60
tcccatccac cttgcgctcc ctactttact gtgcataatc atttctctcc aaccatctcc	120
tacaccaacg gtctcgacgt tctttttaa cttctccgct tgagacaatt cagctccgac	180
tgtctcaatt gctttccgc gccccgcgac cgtttctgc cttga	225

<210> 12517
 <211> 219
 <212> DNA
 <213> A.fumigatus

<400> 12517	
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gctcaaaaat atctacggga actcaaagcg aaaatctcct cgcaatcgaa gaagaatttc	120
gttctcgaaa aggatgtcgg atatctggac tctcggatag ctctgctcat tcagaaccgg	180
atggcgctcg aagaggtatg ttattctatt tcccggtaa	219

<210> 12518
 <211> 342
 <212> DNA
 <213> A.fumigatus

<400> 12518	
aatccagaga acctgatgga gcttctgaac cagctggatg gtttcgacta cctcggaaag	60
acgaagatca tcatggcgac caaccgacca gatacccttg acccggttt gctccgtgcc	120
ggcgtctcgg accggaagat tgagattccc cttcccaacg aggttgggcg tctggaaatc	180
ctgaagatcc actccagcac cgttcagctg gagggcgaga ttgattttga aagcgttgta	240
aagatgagcg acggactcaa cgggtccgat ctgcgtaacg tggttacgga agcgtatggc	300
tcacatcttc gaactccttt atttacagga ataaattgct ga	342

<210> 12519

<211> 669
 <212> DNA
 <213> *A.fumigatus*

<400> 12519

ctggttgaat	cgctaggata	tgacgagtac	aagccgatca	cgaaagaagg	aaaacagatg	60
gtcccaggag	gggttgggctg	gatcattgtt	gacgccctcg	atacgctcat	gatcatgaat	120
ctgacctcgc	gggttcagca	cgcgcgcaac	tggatccaca	attcgctaca	gtacaaccag	180
gaccacgacg	tcaacacatt	cgagacgacc	atccggatgt	tgggtggcct	tctgtcggcg	240
cattatcttt	cgaccgcccc	tcccggactg	gccccaatcg	cggacgacga	tgcgggctca	300
ccaggagagg	atgtgtatat	tgagaaggcg	accgacttgg	cggacagact	gcttggggct	360
tttgagtcca	agtctggagt	gccatatgcc	agcatcaatc	tgaatacgtc	gactggtatt	420
ccatctcatg	cagacaatgg	ggcttcatct	acggcggagg	ctaccactgt	tcaacttgag	480
ttcaagtact	tggccaagtt	gacgggagaa	gcgagtagt	ggcgggtggg	ggagaagggtg	540
atgcaagtgg	tcgatgacca	gaagatggaa	gacggcctgc	tcccgatcta	tatctatcca	600
gactctggac	atctcagagg	agacaacatc	cgtctgggaa	gtcgggggga	ttcttactac	660
ggtgagtga						669

<210> 12520
 <211> 969
 <212> DNA
 <213> *A.fumigatus*

<400> 12520

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acaaaaaatg	ctcagctaag	gattttgggg	gagaggccgt	ctgggctcca	tgggaaactg	180
tcgccgaaga	tggatcacct	ggtgtgcttc	atgccgggaa	ccattgctct	tggagccacc	240
ggcggcgtgc	cgttgagcga	agcccggaa	tctcctgact	ggaatcaacg	gcgggacgaa	300
gaaattctga	ttgctcggga	attgatgaaa	acatgctggg	cgacatacct	cgcgacgaag	360
acgggtctgg	ctccggaaat	cacctacttc	accttggacg	acctccaaa	gatgttccac	420
gacatgtacc	cggactcgac	ggcgagcgcc	ggcaaccgca	agtcacagg	ggctgatttg	480
ccaatgaagt	cacagcctct	ttaccgcgtg	gacgacgaaa	ccctcaagt	gcgggaggac	540
atccagatcc	aaagccagga	cgccacacat	ctccaacggc	cggagacggt	cgagtcattg	600
ttttatatgt	accgcacac	cggggacgag	atatatcgcc	agtggggatg	ggagatgttc	660
aagtccttta	tccgccacac	ggcagtggtt	gaacatgacc	actcgacaga	gaccgattcc	720
cctgccgatg	ccgtgcccgg	aagccaatcc	gagaaagtgc	cgcgtccctc	gcggattacg	780
ggattcacgt	cgctgagcaa	cgccaacacc	gtgccccctg	taccccgaga	caacatggag	840
agtttctgga	tggcagagac	gctcaagtat	ttctacttgt	tgttttcccg	accgggactt	900
tatctccctg	gaggaccatg	tgttcaacac	ggaagcgcac	ccgctgccac	ggtttcagcc	960
tacgggtga						969

<210> 12521
 <211> 195
 <212> DNA
 <213> *A.fumigatus*

<400> 12521

cgtggttacg	gaagcgtatg	gctcacatct	tcgaactcct	ttattttacag	gaataaattg	60
ctgacattgc	atagtggact	tttcgccatc	aaggactatc	gggacgcgat	cagccaggac	120
gacttcaaca	aggcgggttcg	caaggtcgct	gaggccaaga	agctggaagg	caagcttgaa	180
taccagaaac	tgtag					195

<210> 12522
 <211> 207
 <212> DNA

<213> A.fumigatus

<400> 12522

gcaacgccaa	caccgtgccc	cctgtacccc	gagacaacat	ggagagtttc	tggatggcag	60
agacgctcaa	gtatttctac	ttgttgTTTT	cccgaccggg	actttatctc	cctggaggac	120
catgtgttca	acacggaagc	gcataccgctg	ccacggtttc	agcctacggg	tgatttgaag	180
acgggggtgga	cgcggaagcc	tcggtag				207

<210> 12523

<211> 654

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (15)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12523

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atttcgcgca	tcctgccggc	gttggggcgc	gtggatcaac	tgggtgatat	ccccgtcgag	180
gaggggtggcc	tgccccccag	cgataagtac	ggtcgcacga	cggtcaacat	cgggcggtatg	240
gagggcgggcg	tcgcgacgaa	cgtggtgccg	agcaaggcac	gggcaggggt	cgccgtgctgg	300
ctggcgggcg	gcacgcacga	cgaggcgcg	gaggtggtgc	tcaaggctgt	ccgggatgtg	360
acggggcgggcg	atgaccgcgt	ggttgtaaac	ttcagtcctg	aggggtatgg	cccgaggat	420
ttggataccg	atgtgccagg	gttcaacatc	accaccgtca	actacgggac	cgacgtgccg	480
aatctgcagc	ttcatccccg	cccgacggc	aaggtcaggc	ggtacctgta	tgggccgggg	540
actatccacg	ttgcgcagtg	cgataacgaa	gcgttgaccg	tcgcgagct	cgaggaggcc	600
gtgcgcgggt	ataagaaact	gatccaggcg	gcgctggacc	ggtcggcctc	gtag	654

<210> 12524

<211> 438

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (92)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12524

gaaaccgccc	gtgacgcaat	gaggcctttt	acaagtccac	cacctcaacc	cctccccagg	60
cggtttccac	accgtaattt	ttggcggaac	gnaccgagtt	ggccttggtc	cccggcccaa	120
agggcatgct	gggctttgag	gtcgccgcgc	atggccaccc	cgccactcc	ggatacccg	180
ggtgggcgaa	gagggccatt	tccgccatcc	tgccggcggt	ggggcgcggtg	gatcaactgg	240
gtgatatccc	cgtcgaggag	ggtggcctgc	cccccagcga	taagtacggt	cgcacgacgg	300
tcaacatcgg	gcggatggag	ggcggcgtcg	cgacgaacgt	ggtgcccagc	aaggcacggg	360
caggggtcgc	cgtgcggctg	gcggcgggca	cgcacgacga	ggcgcgcgag	gtggtgctca	420
aggctgtccg	ggatgtga					438

<210> 12525

<211> 606

<212> DNA

<213> A.fumigatus

<400> 12525

accacccaag	tcccacaaca	tgtcacagct	ctcctttcac	atcttacatc	acgccccggc	60
gtacaatcca	ccttcaccc	ttcccga	gacggatcca	taatccaaag	caccgggctc	120
ctcgccctac	caccaccgag	gaatagcacg	acaagcgaaa	cacaaacacc	gccagcaccg	180
aacgatgcga	acagtactac	caccattcct	acggagtcac	tggatccttc	ttcgcccgcc	240
ggcgcaagca	cagcccgagc	cctaccgca	cagaaaccat	accagccgtc	tcaggcggaa	300
gctctcgag	cgcggatctt	tgttttcgtg	gagagtgcgt	cggagctggg	gatgacgctg	360
tcgtgtccgc	gcgcggagga	catggatagc	tatcagactg	ggttgaatgg	agatggtgcg	420
gggagagacg	atgcgaggtc	ggagggtgtg	gacagggagg	aggaggatga	ggtcaagctg	480
ctccggctga	ggactaagaa	acatgagatc	gtggtcgtgc	cggataggaa	gtatcttctg	540
tgtgtggtgc	atgatgctgc	gcacgcatct	gggggttcgg	gggttgcggg	ggtgcgctct	600
aggtga						606

<210> 12526

<211> 279

<212> DNA

<213> A.fumigatus

<400> 12526

agccggctctg	atgtccaggg	aaggattaca	tcctacctct	ctaccaccaa	tgttcaattg	60
ggagcgacgt	atggcatatc	tcgggcagcc	accactgcat	tttctaaggg	ttacgaggcg	120
gcggcgaaagt	ttgtcaatgc	gagtcctgat	gagggtgtgtt	ctctgaccct	ggtagctccg	180
gcttgctctg	acccattac	ctcagatctg	cttggtgata	tcaacaactc	agctcttgca	240
caacctttcg	accgcgctca	agttcgaacc	cggcgatga			279

<210> 12527

<211> 387

<212> DNA

<213> A.fumigatus

<400> 12527

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ttgcacaacc	tttcgaccgc	gctcaagttc	gaacccggcg	atgagctggt	gctctcaaag	120
ctgaaccacg	aagccaatac	ggccccctgg	gttcggatcg	ctgaacgact	gggcttgacg	180
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acaatcacga	aggtcaagga	gattgcgaag	ctcgttcatc	agtatccacg	tgtgagttct	360
ctggtggctt	cttcttgcca	ttgctga				387

<210> 12528

<211> 717

<212> DNA

<213> A.fumigatus

<400> 12528

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aagtctcatc	gaaatgaaga	cgagtcctat	acacgggtctt	ctacaccagg	gagggcactg	120
tttgaatttt	ggacctcgac	tttttcaaaa	aatcaatcac	tatacaacgc	tgtactagaa	180
gactgctatg	accagtcaac	atccatctgt	ctcctatgcg	ctcgaggaga	atctcgagtc	240
tcagcattct	tcaagctctt	gaaccaacct	gtacatgctt	cagaaactga	catatcgata	300
tttgggtcac	taccaagga	tgctcctgat	gtcggctctcg	gacttggtgg	tgcacctgct	360
tgcggtgacg	ttatgaagct	ccagatccga	gtcgataagg	acaccagcaa	gatcaccgat	420
gtcaagttca	agacttttgg	ctgtggtagc	gcgattgcca	gctccagcta	cctgaccgag	480
ttggtgcgag	gaatgacgct	tgacgaggcc	gctaagatcc	ggaataccga	cattgccaag	540
gaactttgct	tgccccctgt	gaagttacat	tgctccatgc	ttgccgagga	cgctattaag	600
tctgccatca	acgactacta	caccaagaac	cccaaggctg	ctaagactga	tctttctggc	660

actgcggctt ccatttccaa cgtggaaaag accgacggta gcaccgcaag cctgtga 717

<210> 12529

<211> 561

<212> DNA

<213> A.fumigatus

<400> 12529

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acgactttcg	tccctctgca	agacaagtgt	cccgtctcgt	ctattgagtc	cgtcaggagaa	180
atgttcgtca	ccgacacggg	ccatcgcatc	gatgaattat	tctcgagttt	cgagccattg	240
cccattggag	ccgcatctct	tgcccagggt	cacattggta	caactgaagga	gactggtcag	300
aaggttgctg	ttaaagtgca	gcattcctgca	ttggccgaat	gggtgccctt	agacctggca	360
ttgacacggg	ttactttctc	gatgttgaaa	agatttttcc	ccgaatatga	tctagagtgg	420
ctctcgaatg	aaatggattt	ctcgctaccc	caggaattgg	atttccgcat	ggaggcagag	480
aatgccagga	gggctagtga	gtatttcaaa	aatcactcag	atgctccggt	agtgattccg	540
gaaggttcgt	tccatttata	a				561

<210> 12530

<211> 1017

<212> DNA

<213> A.fumigatus

<400> 12530

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acgataaaaa	aagaaagttc	agccgctctg	ctaaccgctc	aagcagtcac	gtgggctcag	120
aaaaggattt	tggttatgga	attcctctca	ggccatcgtc	cggatgatct	cgaatatttg	180
gactccaacc	atattgaccg	tgacgaggtc	tccgcccggt	tgcacatat	cttcaacgaa	240
atgatcttcg	gagacaatgc	cccgttacac	tgtgaccccc	acggcggtaa	tatcgccatt	300
cgcaagaacc	ccaaccgacg	ccgccacaac	ttcgatatca	tctctacga	ccacggcctg	360
taccgcgaca	ttccacgcga	tttacgtcgt	aactatgcta	agctctgggt	ggcagtcac	420
gaagcagatg	aaggccgcat	gcgtgagtat	gcgcgtaagg	tgcaggtat	cacagacgaa	480
caatttcccc	tgctcgcgag	cgcaatcacc	ggacgagatt	acaccgtgct	agccaataag	540
gatgtcgctt	ctccacgcac	ggctgccgaa	aaagagaaca	tctccggtgc	gctcggggag	600
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tgttttcttc	ttgaatttcc	agctaacatt	gcctgctctc	caccttcagc	ccgcagtcctg	780
gacgaaaatc	tacatacccg	acagggaccc	atacgcacat	ttcttatcct	agcccgctac	840
gccacgcgca	ccgtcttcga	agagaagatg	gagaacatca	acgagaccgg	cggcagtcctc	900
cgcccactca	acttcttgcg	gtttctctgg	gcctggacag	gctatctccg	ggttgaactg	960
aaactctcca	tctacgagac	tctgctgtct	atgaaaagtc	ggttcggggt	gatctga	1017

<210> 12531

<211> 969

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (916)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12531

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<210> 12532

<211> 840

<212> DNA

<213> A.fumigatus

<400> 12532

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<210> 12533

<211> 303

<212> DNA

<213> A.fumigatus

<400> 12533

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<210> 12534

<211> 513

<212> DNA

<213> A.fumigatus

<400> 12534

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<210> 12535

<211> 279

<212> DNA

<213> A.fumigatus

<400> 12535

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<210> 12536

<211> 1875

<212> DNA

<213> A.fumigatus

<400> 12536

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<210> 12537

<211> 252

<212> DNA

<213> A.fumigatus

<400> 12537

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<210> 12538

<211> 771

<212> DNA

<213> A.fumigatus

<400> 12538

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<210> 12539

<211> 846

<212> DNA

<213> A.fumigatus

<400> 12539

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<210> 12540
<211> 384
<212> DNA
<213> A.fumigatus

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<210> 12541
<211> 450
<212> DNA
<213> A.fumigatus

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<210> 12542
<211> 522
<212> DNA
<213> A.fumigatus

<400> 12542
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<210> 12543
<211> 615
<212> DNA
<213> A.fumigatus

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<210> 12544

<211> 363

<212> DNA

<213> *A. fumigatus*

<400> 12544

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<210> 12545

<211> 966

<212> DNA

<213> *A. fumigatus*

<400> 12545

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<210> 12546

<211> 1044

<212> DNA

<213> *A. fumigatus*

<400> 12546

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<210> 12547

<211> 384

<212> DNA

<213> A.fumigatus

<400> 12547

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<210> 12548

<211> 234

<212> DNA

<213> A.fumigatus

<400> 12548

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gtatccttcc tctctccgag tctatcttct ccaggtotca caggtcttcc gctcctcctt 120
gcttatttta tcggtattgc tttgcacccc ttccgaccat ccatcatgga agagatcgcc 180
cccagagtatg atgttgtggg gctcggcact ggtatgtatt accccgccgt ttga 234

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<210> 12549

<211> 1122

<212> DNA

<213> A.fumigatus

<400> 12549

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acatctgttg attgcttgct tgtcctgcag ctattcaaga aatacggcaa cgtccgcccc 60
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aagctgctga tggcaaacgg tgaactcacc aatatttttg tttctacgga tgtgacgaga 180
taccttgaat tcaaacagat tgctggcagc tatgtccagc aagggaaggg ccccaaagct 240
actgtggcca agtgccatc ggatgctggg gaagctctac ggtcgtccct catgggcatg 300
ttcgagaaga gaagagctaa gaagtctctg gagtgggttg gtgaattcaa agaggatgac 360
cccgtactc accagggttt gtctctacat tgtagcattt attcaattgc taatgtgaag 420
ggctcaggtc tgaatgtcgc tcagtgcaca atgaaggagg tctatgacaa gttcggggctc 480

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gaggacaaca	cccgcgactt	tgctcggtcac	tccatggcgc	tttatccgtc	tgatgactac	540
atcacaacac	cgggcatggc	cgctcgagact	atccatcgta	ttcgactgta	tgtcaactcc	600
atggcccggg	acggaaagtc	cccatacatc	taccctctct	atggtctggg	tgagctcccc	660
cagggccttg	ctcgtctgtc	tgccatctac	ggtggcacct	acatgctcaa	caccagcgctc	720
gacgagggtc	tatacgacga	gagcggcaag	gtctctggaa	tcaaggcaac	catgaaggat	780
cgcgacgaca	atagtgaggc	catgaagtcc	accaccaaga	caaagaagat	catcgcgagc	840
ccatcttact	tccccggcaa	ggttcgggtc	actggctacc	tcctgaaagc	catttgcatt	900
ctgaaccacc	ccattgaaaa	gaccgacggc	agcgactcgc	tacagctgat	cattcctcag	960
tctcaagttg	gaaggaagca	cggtgagtca	accttggagt	ctggtggatt	caagacttta	1020
ctgatcagaa	tcagacgttt	acattgccat	ggtatcatcc	gccacaaatg	tctgccccaa	1080
gggctactac	atcgccattg	tctctactat	tgccgagact	ga		1122

<210> 12550

<211> 339

<212> DNA

<213> A.fumigatus

<400> 12550

tcagaatcag	acgtttacat	tgccatggta	tcattccgcc	acaatgtctg	ccccaagggc	60
tactacatcg	ccattgtctc	tactattgcc	gagactgatg	caaaccacca	cctggaactg	120
gaaccgggat	tcgagcgtct	gggcccgaatt	gaaaaaaagt	tctttggccc	tcccattcct	180
ctctacgaac	ctttggacag	cggcgagaag	gacaacatct	tcatttccaa	gagctacgat	240
gctacctccc	acttcgagac	aacaacaggt	atgtcacagt	ttttccgcca	catcatgggt	300
gctaattggtc	aaaacagacg	acgtgcggga	cctttataa			339

<210> 12551

<211> 291

<212> DNA

<213> A.fumigatus

<400> 12551

catcagcacc	agcgtcgaat	ctaccccggt	tctttgaata	acaactcaaa	gacaaacaaa	60
caaacaaaca	taccggcgtg	taattccacc	tccattccct	ccggcaacgc	ccttcgaagc	120
gaattcacca	catgcgccgt	tggcgtcgac	ccaaacgaca	ccaccacttt	cctccctccc	180
ttcctatcta	gatacccccgc	cgcgcgaaac	acaccctcca	attcactctt	cagcaccgcc	240
gccgctgcct	cttcggtccg	acacgcatac	gaatgccccg	catggcagta	g	291

<210> 12552

<211> 810

<212> DNA

<213> A.fumigatus

<400> 12552

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gtcgaccatc	tcaccccaaa	cgtcacctac	gcgcgacca	taagcggagg	cattggagca	120
cgcgatctgc	gtcggttcta	tgaacaccac	ttctccgca	acctgccgcc	atcgatgcgg	180
ttacgtcttc	tctcacggac	catcggcggt	gaccgcgtcg	tagacgagct	ctacgcttca	240
tttgaacaca	cccaagagat	cccctggatg	ctccctggtg	ttccaccaac	caacaaaaaa	300
gtcgaagcga	tcctcatcag	catcgtgagc	ctgcgtccg	gaaagctgta	ctcggaaacac	360
gtctactggg	accaagccag	cgtctctctc	cagatcggac	tgctggaccc	taagctcgtg	420
ccgcagggag	tggaggcggt	ctaccggctg	ccggttgctg	gaaaggaggc	cgcgcgagg	480
attctgacgg	aagaccggga	gtcagagcag	cgacgctacc	ataatcggtc	tattcgtgcg	540
acgcattgcaa	agcacaaggg	ccagcatgga	aagcacgagc	ttgtggaagg	gtccggcgca	600
gaattgagga	gcgaggcggg	agactctgta	aaaacgggga	atgttaaagg	gaaaagtgtg	660
caggggcagc	cggtggcccg	gaaagaggat	ggggctgatg	gtgaggagga	ggagacgggg	720
acggggcgga	atgggaacgg	ggttgcaaat	gggagcaatg	ggaaaagggc	agcctccgtg	780

gaggatgaca atggagagaa tgacgactaa

810

<210> 12553

<211> 294

<212> DNA

<213> A.fumigatus

<400> 12553

gcttgcaaga	gaagaagcgc	cggaaccacg	aggcggatca	accagggcat	gggcacaggg	60
gagcgtctga	acatcggaca	ccaagcttac	acttatgata	acgtgcagcc	agggtttgca	120
gagcacgacc	tggaagagta	cgatcgactg	gcggccgagt	tggccttttc	acgctcgttg	180
caggtgatac	ggtcgacggg	tacagacaag	attgaccttg	agaagcgggtg	ggaggatcat	240
ctggagggtta	tgtcgccttg	tgttccatgc	aaccttcaag	ggcctgattg	ctaa	294

<210> 12554

<211> 546

<212> DNA

<213> A.fumigatus

<400> 12554

attcgcttcg	aagggcggtg	cgggagggaa	tggagggtgga	attacacgcc	ggtatgtttg	60
tttgtttggt	tgtctttgag	ttgttattca	aagaaacggg	gtagattcga	cgctggtgct	120
gatgctaggt	gcgtaggaaa	cttccccgcc	aacgacctgc	agcaagtttg	tactggcctc	180
gtggctgaag	agcagcaggg	ggttcgtgtc	ctgggtggagg	tgtgcagcgt	atatacctgag	240
cgtaacgagg	cgcttatcaa	cgcgggggaca	gttgcggttaa	ccaaggagac	aagtgcagtg	300
gtgggttttg	ggcggttgac	tgaccggcca	gggtggggcgg	tagtgaggat	ggcgcaggag	360
catgggattt	tggggctggc	gaatgcgtcc	gggggttcaga	gggtcgagga	gacgtttcgt	420
gtggggccaga	aggtgatgct	gtatatccag	catgcttgta	ttactgctgc	gcagcatcat	480
gtatatcatg	ttgttgatga	ggaggatata	gttagggaga	cctgggtgcc	gtggaaagga	540
tggtaa						546

<210> 12555

<211> 342

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (339)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12555

cgacttccca	cactccacct	cctcacctca	atcccccggt	tgcaagatag	gcatcaatgg	60
cttcggccgc	ataggtaccc	gtcagccttc	tcaccacaac	cggaagtgat	actaacggct	120
ggccccctcc	caggccgcaa	cgctctccgc	gccgccctca	acagaccgga	cctccaaatc	180
gtcgccatca	accacacctg	cacgaccatt	gacgacctca	tccatctcat	ccgctacgac	240
tcgtccatgg	gcaacctccc	accctcgatc	cccatccacg	ccctctccga	caccctcctc	300
agcgtcttca	ccacggggct	ggaaggagcc	gcgccatgng	gg		342

<210> 12556

<211> 810

<212> DNA

<213> A.fumigatus

<400> 12556

ccgatattga	gctggatcct	cccgaacact	gtctaccgca	aactacagcg	cctccgatgg	60
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atcttcactt cccggctggt ctttctgttc tgtcagacct tcccctggat ggcgcgactt 120
cttctcaagc tcagcgctcg gcggcagctc cctaagaata tccccatga cccgcacttc 180
aagcgcgggt acaaaccctg ggatcagcgc ctgtgtatct gtcccgatgg cgactttctc 240
aagagtctcc acaccggcgc tgcggagctc aagacagaca ccatccggca ggtcacaacc 300
agcggcatcg agctgaattc gggagacttc ctgcagccgc acatcatcgt gacggcgacg 360
gggctcaagc tgcagatcgc ggggggcacc tcgatcacag tggacggcga gaaacagcga 420
gtgcccagaca aatacctctg gaatggagtg atgctgcaag acctgccgaa cgcatacatt 480
gtgatcggct acacgaacgc atcatggacg ctggggggccg acgcgacggc actctttgtc 540
tgccgcttgc tcaagtggat ggaacaacat cacaagatcg cggcgggtccc gcggttgaat 600
ccgatgctgg ccaagcagat gcagccccga cgtttgctta acctgaactc gacgtacgtg 660
acggcggcgg agaaagatct cccgaaagcg gccgatcggg gtccctggca gccgcgcgac 720
aattacctgt cggatctgat gtttgccaag tatgggcgtc tcgacgaggg actggaatgg 780
gttgatgggg gctggaagaa gcagcaatag 810

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<210> 12557

<211> 201

<212> DNA

<213> A.fumigatus

<400> 12557

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gtactatca ccactgtcca cttgtcctat catacacggt acatcatact atatagtata 60
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caatcccccg tttgcaagat aggcatcaat ggcttcggcc gcataaggtag ccgtcagcct 180
tctcaccaca accggaagtg a 201

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<210> 12558

<211> 222

<212> DNA

<213> A.fumigatus

<400> 12558

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gtccaaagtc tgctccttct gcttgtccca gcgcttttgc cgcctccgt gtacatgatt 60
ctgggtcggg ttattcgact gctgaacgcg ggttccctct ccttgggtccg tcggaattgg 120
ctgaccaagg tctttgtggc tggatggtt atttcttttt tcatgcagtg cggaggtatg 180
cgttctctgc aaatgtatac aaggcatgag acaccaagct aa 222

```

<210> 12559

<211> 456

<212> DNA

<213> A.fumigatus

<400> 12559

```

tctcagtatt ctctgttagg tgggtggttta ctggcggggc ccaaaacaca ggacaaggtc 60
aacatgggag aacatatgat catcgctggc ctttttgttc aaatcctgtt cttcggcttc 120
ttcatgcttg tctctgtgat tttccatcgc cggatgcttg caacgcccac ccatcacatg 180
atgtccaccc agctgccatg gaactactac atgaagattc tgtacaaggc cagcgtccta 240
atcatgatcc ggtcgggtcta tcgtgtggcc gagtatgtgc aaggaagcga cgggtatctt 300
cagagcaagg aggttttcat ctatgttttt gatgctgccc taatgtttgc atgctgtgtt 360
attcttaatg tatccacccc cagcaagctc ttgtcgcaca gtcaggcgga ccagaaagtg 420
gattctgata tggagatgct gaaccgggaa cggtaa 456

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<210> 12560

<211> 282

<212> DNA

<213> A.fumigatus

<400> 12560

tttgaaagg	cgaaaatcag	tctctctgcc	tcattcttcc	atggactcat	cttcgtcgtc	60
gttatcctgc	gcttgtccct	cttcgtcatc	ttccagggtca	tcgctgagcc	aatcatcctc	120
gtcatccata	tctacgtctt	cttcgtcccc	gtcatcttcg	ccacctcttc	cttcagctcg	180
agctttggcc	ttctcctggt	tcttcttctc	aatgttttct	ctttgctgct	tctttctctc	240
ttccttctcc	ttcttcttct	tggcccaatt	cttatccagt	ga		282

<210> 12561

<211> 555

<212> DNA

<213> A.fumigatus

<400> 12561

actaatgtat	caaaaggaac	ctgcctgaca	gtaaccgcat	tcgacaagac	ctggttcaag	60
gtcggcggtt	cccccgagac	gcttcggcgg	acaaacctgg	gatcattgga	aaagggctcc	120
cgggtaaata	ttgagcgggc	cgttctggca	gagacgcgga	tgggcgggtca	cttcgtacag	180
gggtcatgtc	acaccgtcgc	aaaaattctc	tccgtcactc	cggatcagaa	ctccttggtg	240
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gattacgtca	acgtagagat	tgacattgtg	ggcaaatatc	tcgaaaagag	tgtccagggg	480
tactttgctg	gaaccgctgg	aggagacatg	agcattttgg	agaagatggt	gtctcgcatt	540
gtagaccgaga	agtaa					555

<210> 12562

<211> 570

<212> DNA

<213> A.fumigatus

<400> 12562

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ttgtcggagc	aaagccgcgg	aggagctcgg	atcaacaatt	ttgcggcgcc	aaaaaatatt	120
tcctttgctg	atacaaagac	gagcacatca	gaaatccaac	gaaacctatc	gatcaagtgc	180
tgtgagaatt	atccgagcat	aatgcgggac	gtcaagaagc	gcaagatcgc	ccacgaggcc	240
ccagaacatg	ggagcgacac	tgaatcaaca	agttctcaca	agtccgttgc	tcagcaagat	300
gatcctcttg	agacgcaaga	tgaagcgacg	gccacagagt	caaggccagc	gcccagagac	360
ttcaaagatc	taggcatact	tgatcaacta	tcgaagcat	gtgaaacgat	gggttacaag	420
gctcctatgc	caattcaagc	cgaatcgatt	ccttttagcac	tccaaggctc	tgacttgatc	480
ggtttagcgg	aaaccggaag	tggaaagaca	gcggtttttg	ctcttcttat	attgcaagggt	540
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<210> 12563

<211> 519

<212> DNA

<213> A.fumigatus

<400> 12563

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acagctctaa	tggaaaatcc	acaatccttc	ttcggcctca	tctcgcacc	tacccgagaa	120
ttggcgcttc	aaatctcaaa	atcttttgaa	agtcttggtt	ctacgatcaa	tgtccgatgt	180
gctgtgatcg	tcggaggtat	ggacatgggt	tcgcagtcga	tcgcgcttgg	aaagaaacct	240
catatcatcg	ttgctacccc	tggtcggctg	ctagaccacc	tggaaaacac	caagggcttc	300
tcgctacgaa	ctctcaaata	cctcgtcatg	gatgaggccg	atagacttct	tgacatggac	360
ttcggccccc	ttctcgacaa	gatcctcaaa	gtactcccca	gagagcggcg	cacatttctt	420
ttctctgcaa	ccatgagttc	caaggctcgag	tcgctgcaga	gagcgtcgtc	ctcaaaccga	480
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<210> 12564
 <211> 1428
 <212> DNA
 <213> A.fumigatus

<400> 12564
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 ggtcatcaga gtcggcgctt cgcaggctcg ctccagtgtc agccaactgg tcaaggatgt 180
 ccgtttgatg atggagccag atacagctgt acgattgaag gtaagcgttt cgtggagcac 240
 actggcgggt ttctggagtc ggcaactgat gatgggtcat ttaaggaacg gaaatccaat 300
 cgactcagag actacacgac aatggcgggc cctttgggtg tcatcctct tatgcttttc 360
 tcaaaatcag ctacaggaaa tactaatatg cgattggcgc ttacacctcg cgtccaacc 420
 cttcatttca aagtcgaaag ctattccctt tgcagagacg ttgagaaggc attgaagcgc 480
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 atctttcagt cacttttccc acccatcaat cctcaggcta cgcgctctc ctccattcgc 660
 cgtgtgatgc ttttgaatcg tgaacttacc gccggatcag agaaagagga agattcctat 720
 gttttgaatc taagacatta tgccatcagc accaaaaaga ctggcatctc gaagcgtatc 780
 cgacgcttgg accctaagga aatccgcagt cgggagaaga gaaagtctgc cgtcccaaac 840
 cttgggaagt tggaagatgc cgccgactat cttcttgacc catcagccgc tggctatacc 900
 tcggcaagcg agacagaact ggacaccgat gctgaggtcg agattgcagg gagcaccaca 960
 aaaaagggtct tgacaaagag agaactgcag cgcattgaagt ctggcgagaa agcaaaggct 1020
 cagaaagccg ataccccaga ggtggagaaa cgcgcggtca agctcgtcga actgggtcca 1080
 cgcttgaac ttcggctaata caaggttgaa gaaggcctct gtgagggcag agtaatgtgg 1140
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 aagaagaagg agaaggaaga gagaaagaag cagcaaagag aaaacattga gaagaagaaa 1260
 caggagaagg ccaaagctcg agctgaagga agaggtggcg aagatgacgg ggacgaagaa 1320
 gacgtagata tggatgacga gcatgattgg ctacagcgatg acctggaaga tgacgaagag 1380
 ggacaagcgc aggataacga cgacgaagat gagtccatgg aagaatga 1428

<210> 12565
 <211> 651
 <212> DNA
 <213> A.fumigatus

<400> 12565
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 acactcttgt ccagacagcg gaggaagcta ttgggacttg gttttattcc caataatatt 180
 catatctgga cttatattac aatggccaag gcacgtacga agaagcgcac acatgtgcgg 240
 gctcaaaatg cttctgccgc cgccaaaaac agcatgagca aaactccgaa gtcgatggtc 300
 atcagagtcg gcgcttcgca ggtcgggtcc agtgtcagcc aactgggtcaa ggatgtccgt 360
 ttgatgatgg agccagatac agctgtacga ttgaaggtaa gcgtttcgtg gagcacactg 420
 gcgggtttct ggagtcggca actgatgatg ggtcatttaa ggaacggaaa tccaatcgac 480
 tcagagacta cactgacaat gcggggccctt tgggtgtcac tcatcttatg cttttctcaa 540
 aatcagctac aggaataact aatatgcgat tggcgcttac acctcgcggt ccaaccttcc 600
 atttcaaagt cgaaagctat tccctttgca gagacgttga gaaggcattg a 651

<210> 12566
 <211> 291
 <212> DNA
 <213> A.fumigatus

<400> 12566

aaaattcaag	agaccgtcga	tacaatgcgc	tcgaatatatt	tcaagggtatc	agagcgtggg	60
gaacgcttgg	actctctgca	ggacaagaca	gacaacctgg	ccgtatctgc	ccagggcttc	120
cgctcggggg	ctaaccgcgt	gaggaagcaa	atgtgggtgga	aggacatgaa	gatgcgcgtg	180
tgccctggta	tctgcattat	ctgcttactc	attgtcatca	ttgttcctgc	cggtatgtct	240
ccttcctctgc	tcgctctccg	cacaaccagg	gctcccgaac	gtgctggcta	a	291

<210> 12567

<211> 231

<212> DNA

<213> A.fumigatus

<400> 12567

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cccccaattc	gggattcgcc	tgctactgca	ctcccagcaa	gtctcccaa	ggcgaaaaac	120
atcaagacca	gccctgctcg	agccggagaa	gaaaatgcat	cagtttactt	tggttgaaat	180
gctacgacga	tcttgctcagt	agcttcttgt	cttgatcaaa	tgagatgcta	a	231

<210> 12568

<211> 756

<212> DNA

<213> A.fumigatus

<400> 12568

tcaagaagtc	gaagcatctc	ttcggcggga	cctgcccata	atcactacca	gccatgccaa	60
gtccatattg	acgtccaagg	gagcagactc	tttccagcaa	gtgttcgagc	tcgagccatt	120
cgagcagatg	atgggtcaata	tcaaaggcga	cagctcgaga	accaaacaac	cgcacatccg	180
agtcacagga	atgccaggca	aacacatccc	gaccaacaag	gtcgtggaga	aattgaacga	240
gttcgcggcg	gcagtaagca	gtttcctgac	actgcgatga	cacatggcaa	tgaattgacg	300
atcaagattc	ccccaccaaa	cggatgggatg	gttgaattag	gctatggcag	caccagact	360
atgcaaaccg	atttcgaggt	cggctatcgc	atctacatct	ccggcgatac	gctgatgggtg	420
gatgaactca	aagagattcc	gcggcgggttc	gacggccaga	agatcgacct	gatgcttata	480
catcttgga	gcacgacggg	accttatccg	aagatgtggc	cactgaccat	gatgggtgacg	540
atggatgcga	aacaggggcg	ggagctgggtg	cgctgatca	agcctgacct	gaccattccg	600
atccactttg	atgattacga	tgtgtttgcg	agctcgctgg	aggacttcaa	gatagagatg	660
cagaaggcgg	gattgggggg	acaagtgggtg	tatttggtatc	gcaaagacgc	ttatcgcttc	720
caagtgcgaa	gcgacctgac	ctgtacctca	cgatga			756

<210> 12569

<211> 285

<212> DNA

<213> A.fumigatus

<400> 12569

cccagcgggg	tgcccgcgga	ttgccccttg	tcgcgtccgg	cctgctttca	gaccggcgac	60
gagcagtttg	acgagttcgc	cctggcgcac	aaaatgcgcg	agcgggggtg	gatcttgccc	120
gcgtacacga	tggcgcgcga	cagcaacgag	ttgaagctga	tgccgggtgg	tgtgcgcgag	180
gacttttagta	agaaccgggtg	tgatgctctg	ctgacggata	tcaagctggc	gctgaagacg	240
ttgagcgaca	tggacaaggc	catgctggag	aagtatactc	tgtaa		285

<210> 12570

<211> 462

<212> DNA

<213> A.fumigatus

<400> 12570

cgacgagtca	ttagctctag	accaaattgga	gacggacatg	tcttatatcc	cccattccca	60
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tccaccagcc	atcagccaag	taaaccagaa	ctgttcctga	agatgacctc	ccagtcccca	120
tccgaccccc	tcacgcgcgc	cctctgcggc	ctcctaacce	taaacaatcta	caccctcctc	180
gogctcctcc	tctccatccc	cccattcctc	gatcttcgcc	tgtcgacact	atacgtcctc	240
gogctacaag	gcctgatctc	gctagtcgtc	gtccgcctct	tctatatcgc	tacgtgcgcg	300
ccgttccagc	tgcgatgcag	gacgaccctt	gccctgatgc	ttctgtatgc	ggtgtttcct	360
gtcccaaggg	tcgctctctg	ggtgtttgat	accgttggtc	cggggctttg	tgtgcggaag	420
gggtttttcc	aggtgtgtcg	tggtgatgca	tgctcgggtg	ga		462

<210> 12571

<211> 306

<212> DNA

<213> A.fumigatus

<400> 12571

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agaccgggag	attgtcagat	gttagagcga	gagctaactc	agccatcatc	caaaattgag	120
acgggtctgt	cccttctctg	gttcccgccg	agcactgcga	tcacctcttc	cacgagcttg	180
aagcgtatcc	gaattattcg	gacgcggcat	ctgctgattc	tttctagcta	tctgtctttc	240
ttcaagttcg	aggtcttttg	cgaaatgcc	atcttcatgc	tcgttctggt	catcgattgg	300
gactga						306

<210> 12572

<211> 585

<212> DNA

<213> A.fumigatus

<400> 12572

ctctcggcaa	cccagctaac	caccgttcac	ccgcagcccg	aaatgatcga	ggacattggc	60
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caggctgtca	tggctgtaac	ctggggaaca	atctcggaca	ccgtcggctc	caagcccatc	180
atcctgtgct	gcttgacctt	caccatgatt	ttctcgtctc	tgttcggcct	gtcaaagtct	240
ctggcgatgc	taatcgcttc	tcgtgcgctg	ctgggtctta	tgaacgggaa	cgtcgggatc	300
atccgcacca	tgggtggcga	gatggttcca	gagaaggagt	tgcagccgcg	tgcattcagc	360
attatgccac	tggtttggtg	tatagggagt	atctttgggc	cggccttttg	cggttccctg	420
gcgcgcccg	cagtgaagca	tccggagact	ttcgggaatt	ggaagctttt	caaggcctat	480
ccgtttctgt	tgctaatct	ggcgtcggct	tttctgttcg	ttattggaat	tacgacgggg	540
tggctctttt	tgcatgtaag	tgtgattcaa	gctacaggaa	gttag		585

<210> 12573

<211> 864

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (18), (56)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12573

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gtgcgggata	cctgggagtg	ccaaattgat	accatgggaa	gtggtagcga	ctttaatgct	180
ttccaagatt	ttgcaggcat	ccccagttac	gatctggggt	tcagccatgg	tcccaaggac	240
cctgtatatc	actatcactc	gaactatgat	agtttcgact	ggatggatcg	attcggtgac	300
cctgggttgg	tgtaccacga	agcatgcact	aagatttggg	ctctggctgc	ggctaaattg	360
gtggagactc	ctgtgcttgc	ctttaacgct	acggactatg	ctgtgggcct	tagcacatac	420

ttggatcaaa	ttcggccggc	ggcggagcag	ctacctggtc	attcatcctt	caaccttgag	480
ccacttgaca	aagcaatcgc	acggcttcag	aaagtcgctg	cgaaattcga	cgccgaagcc	540
gcagagctga	cctcacagct	ggacgagaat	cttccatggt	ggctctgggtg	gaagaagggtg	600
agactgtact	tcttgatccg	gggggtcaat	gacaagtaca	aggcctttga	gcgcaagttc	660
ctgtaccagc	ctggcttgga	cgggagaaat	tgttacaagc	acgtagtgtt	tgcgcctggt	720
atctggactg	gatacgctgg	cgcgacatat	cctggattgg	tggaaagtct	ggatgcagga	780
gatctgaaaa	atgcaaaggt	tagtcatttt	cacttttcgt	actttttgca	ccatcttgct	840
tgttcgtctt	tgctaacgct	atga				864

<210> 12574

<211> 297

<212> DNA

<213> A.fumigatus

<400> 12574

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tcccaaaca	ttggtatata	ctacaccttg	atcggtatca	ttggcatggt	cgttcagttc	120
ttcatcttcc	cagtagcggc	caagcgatth	gggtgcctca	actgcacca	agccactgcc	180
atcgctccc	ctgtctctca	cctcatgaca	cccttcactg	cactcgtacc	ggcatcgatc	240
cggagtthtg	ttgtgttcat	gctcatgctc	agcaagctga	tatgcagtat	cttcagc	297

<210> 12575

<211> 2217

<212> DNA

<213> A.fumigatus

<400> 12575

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actgccgtca	tgagtthgat	gcccattgtc	ttgcttgtgt	cgctgcttat	ctgtactgtc	120
cacgcagcga	ttccatactc	gccgtcccat	atcttctata	cctcccagta	caacgattct	180
tttgctact	tactgcggtc	cagtgatctg	cagccgcgat	ccacccaatt	tctttcgttg	240
gatgtctcag	gaaaggtaga	cgcagccaac	ccagagtaca	cggttcttct	agatgagctg	300
ccgttcacac	caaacaacca	gtcttctgcc	ttcgthccgg	ctattgatca	acatggctcat	360
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tggtcgtctt	ctaacatgac	ggagagctcg	ctgtacacct	tccgtggcat	gtgtccgttc	600
aacattaccc	cgaagcaaac	ttggatctat	gccgcccaact	attctcagtc	catgatcgtc	660
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aaagccttca	tcaacatgtc	tgaacttgcc	atctattctc	tccctcagga	cagctggagc	900
ttcgtcacag	tcgagtcggg	gtcggatata	ggcaaaaactg	agcttgctgt	ccgagattca	960
gcattcgtgg	agccaagatc	gggccacacg	gccgttctct	cgccggacgg	aagcaaggct	1020
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ccaaaaagcg	ttthtcgcaga	tggaaaccggg	atctatggcc	atgggtgcagc	aatgcttctt	1200
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acctcatata	gaaatccaag	cctgcccggaa	cccgaaccgg	aacctgtagg	atcccctagt	1380
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aagacgatct	cctggactac	cgctccaagt	cggaaacggac	aggacaacgg	cgaagggtgct	1680
gcggagagca	ccagcctgct	tctgtacatc	ccggcccctg	acagaaatag	ccagcaaagt	1740

ttgggaacgc	gcccttaccg	atattcagca	ccatatagcg	agtacagaag	aagcgagact	1800
gcaggtgaaa	tacatccaat	cgacgaacgg	gatgaggaag	aagcaagttc	accagcgttc	1860
ggcgggcccc	atactgccgc	ggcctctgag	cctttcttag	gcgctgaatt	tgtgactccg	1920
cgcagtacaa	tatccaatcc	agttggaatt	ccattccgaa	cagttagagc	tgtccccgcg	1980
gaagatccag	cccgtgacgg	agttttgtcc	ccagatcagg	acgagcgcac	ctcgtcgaat	2040
ctttcagact	cttcggctag	atctgggaac	agtgcccctc	gccgcccagc	gtctcttcgt	2100
acctctacga	ctttgccaga	taatggatgc	aattcaccgg	gacttgccac	ccctcgaagt	2160
tccaccgtgg	ccacaggaac	tgtccacaga	agaagcgcta	ctcctccgga	ctcctaa	2217

<210> 12576

<211> 531

<212> DNA

<213> A.fumigatus

<400> 12576

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gactgggggat	tccatcagct	gcaggcttgg	ctgtgtttgc	ttggttctac	tggcggagac	120
gccgtgcgcg	gcggtctcgg	gatcgggaat	tgcgcaagct	cgcgctcagt	gcacaaaggg	180
cacacttctg	gggcagggac	gagccggaaa	tggcgagcag	catccgcagt	tccaagacca	240
gggaccagaa	taagacgata	tccctggacta	ccgctccaag	tcggaacgga	caggacaacg	300
gcgaaggtgc	tgcggagagc	accagcctgc	ttcgtgacat	ccgggcccct	gacagaaata	360
gccagcaaaag	tttgggaacg	cgcccttacc	gatattcagc	accatatagc	gagtacagaa	420
gaagcgagac	tgcaggtgaa	atacatccaa	tgcacgaacg	ggatgaggaa	gaagcaagtt	480
caccagcggt	cggcgggcccc	gataactgccg	cggcctctga	gcctttctta	g	531

<210> 12577

<211> 765

<212> DNA

<213> A.fumigatus

<400> 12577

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attgaaatgg	gcagactaat	cactggctcc	accaaccctg	tcgttctata	cgtctcagga	120
ggtaacacac	aggtgattgc	ctacagttcg	caaaggtacc	ggatcttcgg	cgaaaccctc	180
gatatcgctg	tgggcaactg	cctggacaga	ttcgcccggg	cattgcacat	ctccaatgat	240
cccgcaccag	ggtacaacat	tgagcaacta	gcgaagaagg	gcaagcagct	ggtcgatttg	300
ccgtacacag	tgaagggcac	ggactgctcc	ttttcgggga	ttctcgccgc	cattgacgga	360
ttggctgcat	cctacggctt	gaacggcgaa	gagaaagagg	aagaaggtgc	aggagatgac	420
tccaaaccga	cacgcgcgga	tctgtgcttc	tcgctccagg	agactgtgtt	ttccatgctc	480
gtggagatta	ccgagcgcgc	catggcgcat	gtgggctcaa	aggaagtcct	catagtcggc	540
ggcgtcgggt	gcaatgaacg	attacaagag	atgatgggaa	tcattggctcg	cgatcgcggt	600
ggtagtgtcc	atgcgacgga	tgagagattc	tgtattgaca	atggaattat	gatcgcacag	660
gcaggtttgc	tcgcgtacaa	gactggtttc	cgcaccccgt	tgaaggagtc	gacttgta	720
cagcggttcc	gaacggacga	cgtgtttgta	aaatggagag	attaa		765

<210> 12578

<211> 501

<212> DNA

<213> A.fumigatus

<400> 12578

atcttaggct	cggttcaataa	taagttcttc	ccagtcatga	ttgccatcgg	actcgaaggc	60
tccgccaaaca	aacttggggg	gggcattatg	ctccatcccg	aggatggcag	caccccgcg	120
gtccttgcta	atatccgtca	cacctatgtc	tcccctccag	gtgagggatt	tcttcccaag	180
gatactgcgc	ggcaccaccg	ctcttgggta	gtgaagcttg	ttaaagagagc	gctcagagaa	240
gctcgtatct	cagtgcgtga	tgtggactgc	atctgcttta	ccaagggccc	tggcatgggt	300

gctccgcttc	agagcgctgc	tgtggctgcc	cggtatgctga	gtttattatg	gggcaaagag	360
ttagttgggtg	tgaaccattg	cgttggacgt	atgtgtgacc	ataggcgctg	tccgctgtcc	420
gctgcctcat	gcttgagacc	tgaacattcg	acggcctccc	gacattcctc	ctatagagct	480
aacaactcgc	ttagatattg	a				501

<210> 12579

<211> 264

<212> DNA

<213> A.fumigatus

<400> 12579

atacctctga	tagatgcata	tatgcaagag	ccgtatcagt	tcacatgcct	cacgacgcat	60
ggctgcagtc	aagtcactca	ccatatgatg	aatgatttca	tttatgaccg	cgctgctcac	120
atttcatttc	ttggttatta	caacatgaat	gtcgatatgc	aacatcatca	aatgccgcgc	180
cttcttccaa	cattttttgta	ccttatctgt	tcctcatggg	ctggtgcacg	cttgcggtgc	240
ggtcacgcgc	aggttatcgg	gtga				264

<210> 12580

<211> 678

<212> DNA

<213> A.fumigatus

<400> 12580

ccgcttatct	tcacattatc	agtggctcgg	tctgatatct	tcgacggcga	agagcttttc	60
tccatccccc	gcggaactcg	tctgtcggct	cagaattcga	agttgaagga	tctgctctca	120
caggatttgg	aggaattagg	cccatggctg	tctctgatcc	tggtgatgat	gtacgaatat	180
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accctgatgt	tctgggtccc	ttctgaactt	cgggagctgc	aaggcagtgc	aatcgtagc	300
aagataggga	aagaggggtgc	tgaagactcg	atcatgcaga	tgattgcacc	ggttggtgaga	360
gccaatcctt	ctctctttcc	gtcagttgac	ggcctagcct	cctgggacgg	tgaagcaggc	420
tcccacgccc	ttctgcgctt	agctcatatc	atgggggtccc	ttattatggc	ttatgcattt	480
gatattgaaa	aggttgaaga	tgaagatgac	gagaataatg	acgaagaaga	cggttatgtg	540
accgatgatg	agcaggacca	gtcgtctaaa	ggcatggtac	caactggcaga	catcctcaac	600
gcggatgcgg	atcgaaatca	tgtgcgttcc	ctttctccgc	acactcgtat	tcgaccgcgc	660
gcttggaag	taaacagt					678

<210> 12581

<211> 528

<212> DNA

<213> A.fumigatus

<400> 12581

acgtcaaggt	ctgatatcgg	tgtaggcggt	ccagactgca	agaatggcaa	gtctttgacc	60
gagatgctgt	ctgctggcgg	aactaagtct	gaagcgagct	ttggtgatgt	ctcgggagtt	120
tctaactcag	cgtcttgctt	gactgcgaca	ggtgcagggt	cctctgcctc	atctgccgcc	180
ttgggacctt	cgatcgcggg	aacaggggga	agagcagctt	cgccctgcagg	ctgctcattg	240
gcaaggattc	ctagaagctg	gatctgcatt	aagagggaaa	cgatatgtgg	atcttcaagg	300
ggtggaggag	gcatttcggc	gcggagcgct	ttcatgtcct	tttcgaagat	ctgtttccgt	360
tcctcaaggt	actcttgctg	gaatacatcg	ttctcatctt	catcttcctc	gcttgaccgg	420
ccaaagtctg	gtatcagcgt	gtcttctctg	aaggcgggtt	tgtcttccgg	ggcgaccttc	480
ttctcgggtc	cgacaactgg	ttctggcgct	cgtggaggag	tgacgtga		528

<210> 12582

<211> 2193

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12582

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ccagaccatg	cgatcggtga	actgccccgt	aaacctgcca	tggccgaagc	tcgtcgagac	120
tcaatacggc	ctgatttggc	tgcacgcgcg	ccagaccggg	ttaaagacct	accatcacca	180
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gttgcctcgt	cagttgcaga	gaaggaacgc	aatgaaacat	cgtcgcgtgc	gcccgtgcaa	360
cctcctacgg	gtccgaaggc	agagcgtgcg	tccgcccagc	caccaccaga	accaagatat	420
cgacgagagg	aggtacggcg	cgatgatggc	ccggaaacga	gcgaaaagga	ccattctata	480
tcacgagcac	ccagagctca	cgttagccct	tctctccacg	cgcggaagca	gactccagaa	540
ctctccccgc	cgactgcacc	tgcgggccatg	attggcaagg	aatcaagcat	accgcatgca	600
gaagcgtcat	tgaccggcag	gacaggtagt	atagtcgggt	ctcccgaact	gagcaaggct	660
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cctgggtata	atcgtcaccc	agccggagcc	ggcacctgac	cagtaccgaa	acgggattcc	840
atcgacggga	aagaaggaac	tatgtccatc	agcgaggact	ccagacggga	accaccagct	900
ccagcagatg	accatggcaa	cgaactggag	gcggggtgaga	ttttgcccga	caaggggatg	960
gaagtcgacg	cgcataatgt	ccctgaatcc	tccaaggctg	acgcagtttg	tcacgtcact	1020
cctccacgag	cgccagaacc	agttgtcgga	cccgagaaga	aggtcgcccc	ggaagacaaa	1080
cccgccttgc	aggaagacac	gctgatacca	gactttggcc	ggtcaagcga	tgaagatgaa	1140
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ctcgcttcag	acttagttcc	gccagcagac	agcatctcgg	tcaaagactt	gccattcttg	1500
cagtcctggc	cgcctacacc	gatatcagac	cttgacgttt	accaggaaaa	tgcggcgata	1560
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cggaagaacg	cggagctccg	cgaggagtac	ttgtcatact	acaagcgttg	gaggatgcaa	1680
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gaccctgcga	acgccatgga	tgtcttcggc	ttcctacctc	ctcccaacga	cttcacgccc	2040
gaggaacacg	agatattcac	tgatgccttc	atggctcacc	caaagaagtg	gggcaagatt	2100
gccgagtcgc	tccctgggag	ggacttccag	cagtgtatca	gtccttatta	cctcagtttt	2160
cacacgcgcc	aggtggccag	gaaccagggg	gaa			2193

<210> 12583

<211> 1215

<212> DNA

<213> A.fumigatus

<400> 12583

gaagacgaag	tcctgcatgc	ccaggtcgcc	ctcgagaaga	aggggagcgt	ccagccgctt	60
gtgctcaagg	cacacctgaa	cctgtccact	agctccatgt	cacttgccctg	gttcaacgag	120
agcgtcgaga	cgggcgagtg	cgccgctgaa	tcctttgcta	catgcgtggg	tcgattcgag	180
gatccagccg	cgtggaccag	ggaatgggac	cggtgtcgcc	acctggctct	cggccgcatt	240
gaggcgctag	aacaacgggc	cgtcgaaggc	aaggcgagca	agctctccaa	gccgctggcg	300

tatacgcctct	tcaagaacgt	cgctcgactac	gcggatcggt	atcggggaat	ggatcaggtg	360
gtgtttgtacg	agcacgaagc	cgttgcggag	gtgaccctcg	tcgcggaacg	gcatggcacc	420
tggcacacac	caccacactg	gattgacagc	gtctcgacac	tggccggcct	cgttatgaac	480
ggcagcaatg	catccaatac	cagggattac	ttctacgtca	cgcgggctg	ctccagcttc	540
cgtctgctga	acccgctgaa	ggctggcggc	aaatatcgca	gctacgtgcg	catgttccca	600
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<211> 231

<212> DNA

<213> A.fumigatus

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<210> 12585

<211> 486

<212> DNA

<213> A.fumigatus

<400> 12585

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<211> 195

<212> DNA

<213> A.fumigatus

<400> 12586

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<210> 12587

<211> 1392

<212> DNA

<213> A.fumigatus

<400> 12587

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<210> 12588

<211> 1299

<212> DNA

<213> A.fumigatus

<400> 12588

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<210> 12589

<211> 1800

<212> DNA

<213> A.fumigatus

<400> 12589

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<210> 12590

<211> 678

<212> DNA

<213> A.fumigatus

<400> 12590

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<211> 321
<212> DNA
<213> A.fumigatus

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<210> 12592
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<212> DNA
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<210> 12593
<211> 306
<212> DNA
<213> A.fumigatus

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<210> 12594
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 <213> A.fumigatus

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 <213> A.fumigatus

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<210> 12596
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 <212> DNA
 <213> A.fumigatus

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<210> 12597

<211> 384

<212> DNA

<213> A.fumigatus

<400> 12597

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<210> 12598

<211> 306

<212> DNA

<213> A.fumigatus

<400> 12598

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<210> 12599

<211> 240

<212> DNA

<213> A.fumigatus

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gaggcggaagc	agctgctgga	aggcacgaag	acttgagagac	cgacttggca	ggcattggga	180
ctcaattatg	accggtcctt	actcaaagaa	acaaaggggt	cggcttcgac	aagttcataa	240

<210> 12600

<211> 693

<212> DNA

<213> A.fumigatus

<400> 12600

cttcccaaat	atgtctatgg	tgtaatatgc	gtcaataatc	aattatcctg	tttcaatgtg	60
aggatcaatc	atgtcttacc	tgacatagac	aatctgcaag	ccatcgtgga	cctcttgcg	120
tacatccttg	acatccttcc	ggttctgctc	aggaaggagg	acagtcttga	caccggcgcg	180
gtgtgctcca	atcaatttct	ctttgatacc	tccaacaggc	ataaccgctc	cccgagggga	240
gacttcaccg	gtcattgcaa	tctggggagg	aacagctttg	cctgtgaaaa	gggagatcaa	300
cccgattgtg	tgagcaagtc	cagcagaggg	accgtccttg	gggatagctc	ctgctgggca	360
gtggacatgc	aaacttcggg	tcttcatgat	gtcctcgttg	gggtcatgtg	taagaccgag	420
ctcgaaagaa	tgagctttga	cccaggtcaa	ggcgacttcc	acgctttcct	tcagaacatc	480
gccaaagctt	cctgtaagct	gaacgcggcc	gttgccctgg	atgtccgcaa	cctcaatgaa	540
caagatacta	ccctggcccc	cagtcgagta	cgcgacaaga	ccggttacga	cgccctggcg	600
accatgcttc	tgggcaatct	cttcgtcaaa	acgctcaatt	ccgagaatgt	cttccaagtc	660
gccaaagggc	actacagggt	tgtacgtatc	taa			693

<210> 12601

<211> 234

<212> DNA

<213> A.fumigatus

<400> 12601

cggcgcgggt	atgggtatcaa	gggaattggc	agtggctatg	aagagaacct	tgctcaggtc	60
gattgggatg	ttaatgtaat	gatcgacgaa	tgtggagttc	tggtcaggat	ccaggacttc	120
caacattgca	gcggatggat	ctccttggaa	attggccccg	cccactttat	cgatctcatc	180
aagaagaaac	acaggattgg	caaccccaac	ctttttgaga	ccgttcacaa	ttag	234

<210> 12602

<211> 960

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (960)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12602

gataattcta	gggccggatc	cgcagacgag	aagaagcact	tgactattct	acacatccca	60
ttgtttgagt	actggctata	catactccgt	atggcgcatc	cattgggtctt	catcaccggg	120
gcaaccgggt	tccttggttag	tgccaccgcg	gtggccgcac	tcaaagcggg	atatcgattg	180
cgaatctgtg	ttcgaaagcc	ctcagacgaa	ttacagaatc	tgctgtcagg	atatagcgag	240
caagtggaa	ttgttactgt	tgccgattgg	acagccgaag	gggcattcag	aggactgttg	300
gatggagcag	actatgtcat	ccatctcgcc	catcctattc	ccagtggccc	tgagaaggag	360
tactacttca	ctccagctgt	gaaagcaacg	acggccttgc	tcagggaggc	tgctcgagta	420
ccgagtatca	agaagggtgg	ggtcacctcg	tcgatcgcg	ccttgatgcc	cctggacggc	480
ataccgtctg	ggggcgctcat	caaagggtgc	ttttcagggc	tcctgggccc	agcatatcgt	540
acctggactg	acatcatccc	agaggacaac	gactgggact	tcgacgttga	cgagactgaa	600
gactttgcag	cctctaacga	cccgcgaggg	gtacctatgc	ggttgtacca	tgcattccaaa	660
ctgctcgcca	atcaaacggc	atgggaattc	cggaaggccg	ccaagccgcc	gtatgccttg	720
gtaacgctcc	atcctgcatt	tgtgtacgga	cgcaaccggg	tgacagaccac	tgctgaggcg	780
atccaggaat	cgtcaaattg	tctcctgtgg	catgctatca	tgaccggcgt	ccctcatcac	840
tcctactccc	gggttccttg	tgtgcatatc	gatgatgtgg	ttgaagcaca	cctcagggcc	900
ctggatccag	ccatccccga	cgggtcgaag	tatctgcttg	cagcgaaggg	cgggacctgn	960

<210> 12603

<211> 1143

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (192)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12603

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agccagcggtt tgggttaccc ccaatttcaa ggatctaaat tcggtcattc ggggtccaagg      60
ggcacggaga tgaccaagtg gatccgaaac gatttgcaga gcaggatagc cccggacgat      120
tacaccatcc aagggggaac ctggggccag ttgttcctcg ctggacatca ttggcttggc      180
aggcaagggc cngggatttc ggctccctgc aggacccgga aaacagtttc agccgatcct      240
aacgaaatga tcatcgccac cccgggtctg ggaaccaaga ttcttttcat ccttggaatg      300
ctccttggga atacgacgtg gctggcaaag ctccccacca agcagaatcg gtcattgac      360
acgggctgcc gcaatatccg cgatgccacg cggcgcatga ttccgcagca gaaggcaaag      420
atggaggatc cgaacgcagc ggccgaagtc gacatcatct ccgtcgcaat gcgagcggc      480
aactttgacg atgacaacct cgtcgaccag ttgatgacct tcctcggcgc cggccacgag      540
acgaccgcgg gggcgctcca atgggcgata tatgcgcttt gcaagcaccg cgatgtccag      600
agccgtctgc gtgaggaagt ccgcgccaac ctgccaccga tccatggcga gaatcccggc      660
ccgatcgacg ctgcaaccat cgacagcttc ccgtatctca atgccgtctg caatgaagtc      720
atccgcttcc atccgtctgt gcccataaca gtccgggtgg ccttgaacga caccaccctg      780
atggggcacc cgatcccaaa gggcacgcag gtcgtcattt cgccggaact tgtgaaccac      840
atgccggcgc tttggggccc cgacgcagaa cggttcaacc ccgatcgatg gatgggcccc      900
gggaaggcca acaccggcgg cgcagccagc aactacgctt tcctgagctt ccttcacggt      960
ccccgcagtt gcattgggca ggtcttcgcc aaggccgaac tagcgtgtct cctcgctgcg     1020
gtggctcggtg gctttgcgtt cgaattgaaa tcccccgacg ctccactgga ggtgcgagag     1080
ggagcgacta ttgcaccgaa ggacggcgctc ctggccaaat tcactccagt ggaagggtgg     1140
tga                                             1143

```

<210> 12604

<211> 237

<212> DNA

<213> A.fumigatus

<400> 12604

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agacgccgga gaaagaaagt tccgagattc acgatggggt atgacaacat gttcattact      60
atcaccatgc taacactatt ccattccaat cactgcatcc ccaatgggtc atttttttat      120
cactcagcag atacaattac catgactagc gcgctctccg caccacacgg tgaccagatc      180
ctgaagttct ttggtttggg atcagcagct tgggtgaatt cgtgcaatgg gaagtag       237

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<210> 12605

<211> 333

<212> DNA

<213> A.fumigatus

<400> 12605

```

tcaagacgtc aacttgtaga tgcctttggt accctccccg attatgaaaa ggccgtgcta      60
gaggataagg ctgccaaaga tttcaaacc cggggcaagt tgggtgcacgg ctatgtttct      120
cggaatagaa acttttagat ctggggccgg tcgctggctg accctgaagt tcgacggttg      180
ctcgatcgcg ctcaaactct cgtgtcgctc ttcatcgagg caggcacccc tcttgccacg      240
aatgatcccc agtggacgct gcagagatgg actgtctact ttgtgtatgt ggatctgctg      300
ttccatgacg tgatgacca tcacagccgc taa                                             333

```

<210> 12606

<211> 978

<212> DNA

<213> A.fumigatus

<400> 12606

gtcccctaca	gatatgagat	agtgaaacct	ccaactccca	ctgcttccaa	atactccatc	60
gtcggatatg	cgacaacata	tcgctgggtg	cattattgca	gggacaggac	acagggtccc	120
gttgtcaaga	acgatccatt	tcctctgga	ccggaaattc	atccttcaca	gctcccatcg	180
cgattgcgta	tcgccaatt	ccttatcctc	cctcctcatc	agaactcagg	acatggcaga	240
cacttgtata	ccgccatcca	ttcggcgtgt	gtacaagacc	ccagtgttgt	tgaattgacc	300
gtcgaagatc	cgaacgaagc	ttttgatgtt	ctccgggact	ctgcggacta	ccatatactg	360
cgcctgaat	tcatcaagca	tgaggtgaac	atcaaccccg	accgtacga	agcgactca	420
agaaaccaac	gaccacggcg	tgttcctacg	gctgccctca	ttccagtcaa	actcctccat	480
gacattcgta	cctcatacaa	gattgattct	acacagtttg	ctcacattct	cgaaatgttc	540
ctgttgagtc	aaatccctct	caagaataga	catgctggcg	gagcaaacad	gtcgcggctc	600
ctgattaaga	agcacagggc	ggaggatccc	aacgagcggc	gctactattg	gtggcgcatg	660
ctcaccaagc	aacgcctgta	caaacgatcc	aaggacatcc	tgatccagct	ggatctcgat	720
gagcgcatcc	agaaactcga	agagaccgtg	tcaaagtgcg	aagaaggcta	cgaagttctt	780
ctgaaagaat	tcagtgaagc	tgaagagaaa	ctcaaggcca	gaggagtggg	tgagtcgcca	840
gctgccacag	tctcagatga	tgcgagtgtc	gggccacgcg	gtactagcag	agatcaacgg	900
gtcaagcgaa	agttcacagt	agaggacgat	gaggacaagg	tcgaagagga	agatactgcc	960
aagcgaacaa	aagtgtag					978

<210> 12607

<211> 240

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (218)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12607

ttaccattag	gtcttctgac	ggccgcgcaa	ggccacccca	tgcttgtgga	gctcaagaat	60
ggcgagacac	tgaatggaca	tcttgccaat	tgcgataact	ggatgaacct	aatactcaag	120
gaagttgttc	agactagccc	tgaaagcgac	cgcttcttca	gattaaccga	ggtctacgtg	180
cgaagaaaca	atgtgcgtta	cctacatcct	acaccgcncc	gtgctctcgt	tccaagccta	240

<210> 12608

<211> 240

<212> DNA

<213> A.fumigatus

<400> 12608

aatgcattta	ttccagggac	gtgcgatgcg	aacgacgcgc	tcaatattac	cttagtccaa	60
ccagacgaac	agaagctgaa	gaccgtctct	agctttcatc	ctcaatttac	ataccccatc	120
ttcggcgatg	atgagcgcat	cttcggttac	aagggttgga	ttatccgtct	gcggttcgcg	180
gcgcatgacc	ttccgccttc	agcttcacat	ctcgtagcac	gagaaattca	agcctgttga	240

<210> 12609

<211> 1617

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (107)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12609

ggagaaataa	ggatgaggag	gatattgaga	aaatccgccg	gcatgctcga	cgattggggac	60
gtcaagagga	atacgaagaa	tttggcgacg	gcgacagcga	agttganaga	agtcccacct	120
caagagatcg	ggcttcatgt	gttggatcga	gcatcgctct	tgtcaatctt	tgagagtctg	180
agttgcgagg	ccatgcttcg	caatgacact	cttctgcagg	agcacttcga	cgagccattc	240
cggtttattc	aaacaaaacg	tagtcttaaa	gtctcggatt	acgtccctgc	tgtcacccga	300
tttttatttg	actccaacca	gagccgaagc	ttctgggcta	ttcactcctg	gatgcgctac	360
tcacggccgc	cgaccgcgct	tgagttcgac	tgggcgatca	aagaggggct	tctcgacatg	420
ttgaaaacag	cctcacagca	accgcctcag	atagctgtta	tccagcgact	ttggcggtggc	480
atgcaacttg	tagtgaagag	attggataag	gaccaaatta	cgcatacact	acggggcgctt	540
gaaatagacc	cgtgccgcct	ttctgtggaa	catcttgtaa	ttcaatctcc	aggtctgcgt	600
ttccttctca	acacgattca	gatcttcctc	gaaaaagccc	cggggggactt	ctgggatgct	660
atgcaaacga	tttccctcca	agcaatcatc	gagctcggtt	tctataaccc	tcagctagag	720
gccttcttga	tgcaaatcag	cgagggggag	ccttacgaga	agtccgcttt	gaaggatatg	780
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agatctcttg	tctatcagct	ccttgatcga	ctccaaaacc	cgcgcttccc	ggacttggct	900
cggtatcatt	gtttttatgt	tggactggct	agtttacttc	aaacacttcg	cagcttccact	960
gacaatgaat	cttcacgagg	ctcggtgccg	cgcatactgt	tgtctgagac	catgggagtt	1020
gtgagcgcaa	atatcgagac	aattttgaac	cctcccaagt	tcgcagtgga	gcagagacgc	1080
caagaggaga	tatcctcttt	atgcatggac	gttatccgta	atacattggc	ccttgagtgc	1140
caatccttga	agagcgatta	cgaagttatt	ttacggcaga	atcttcttca	gcatggcgta	1200
agcacctact	cagcttctat	ctgggaagct	gttgtcagga	atcttcacga	ggataatcgt	1260
gcgctttcga	cctcggcgct	gcttgggtata	ttgccctcgg	ttggcttgga	aacatttccg	1320
acgaaaggcg	agtcaagtcc	ggagaagaca	catttcaacc	tgatttatgg	tcactctgact	1380
cgactctcat	gccaaattat	tgagcgccct	gctgatttca	agcccagagca	tctcaacgaa	1440
ctgttcaaga	gccaaagatac	cagtagtgca	ttgatctctg	ctctgttcgc	agcggatctt	1500
gacacctatc	aagctgctgt	cgacctcatc	aagaacatga	gcggtcagtc	agctaggaag	1560
ggatgcgatc	tctcatcttc	tacagtcctt	tttcataacg	acgatgtacg	gacttag	1617

<210> 12610

<211> 210

<212> DNA

<213> A.fumigatus

<400> 12610

agggcgcgca	ccaaccttca	gcctgcagat	ctcttgtcta	tcagctcctt	gatcgactcc	60
aaaaccgcg	cttcccgac	ttggctcgg	atcattgttt	ttatgttgga	ctggctagtt	120
tacttcaaac	acttcgcagc	ttcactgaca	atgaatcttc	acgaggctcg	gtggcgcgca	180
tcgtgttgtc	tgagaccatg	ggagttgtga				210

<210> 12611

<211> 813

<212> DNA

<213> A.fumigatus

<400> 12611

aatcaacgta	tgcttggttg	gcagtttagca	tcgaacacgt	cccatccgat	cgggtggaaa	60
caaaaagggc	agcaaaaccc	cggctccaag	ctgctcgcac	atcgcccgcct	tctcatcccc	120
accatcaatc	gcaataaccc	gcaaaccat	ggcccgcgcg	tactgctgcg	ccagggatcc	180
cagcccacca	cccgccaccga	caatcgccac	cgtctgccc	ggccgagcgc	cggactcctt	240
cagccccttg	tacacggtaa	tcccggcgca	cagcaccggc	gccaccgcat	ccaggggcac	300
gtgcttgagg	atcttcgacg	catgcgtcgc	cttgccaatc	gtgtactgct	ggaaggtgcc	360
atcgacggta	taccgggaca	gcaaggcatt	ctggcaaagc	ggttcatcgg	cctgcttgca	420
gaactcgcag	gcgagacagg	accggttcag	ccacttgatg	cctgcgtggg	cgccgatctc	480
gaattccgtg	acgaggctcg	ccttggctac	gacgacgccg	gcgccctcgt	ggccaccgac	540

gaggggcatc	ttgacagga	gaggccagtc	gcctttcatg	gcgtggaggt	cggtgtggca	600
gacgcccag	taacggatct	tgaccaggat	ctcatcgggt	ccgggctttg	ggacagggat	660
ttgcttgagg	accagagggc	cgccgacctg	ttcggccacc	tggggccatt	gcatggaggg	720
gatgtcgaac	ttagtcatgg	ttgttatcgg	tggggcgaa	tggtgaaaga	gatttgtctg	780
atggtgtata	agccaagcga	tgtgattgac	tga			813

<210> 12612

<211> 192

<212> DNA

<213> A.fumigatus

<400> 12612

ttaccccgt	ttctgatcg	cacgaggccc	ggaatagcct	ggaccctgat	tggttggtgg	60
tgcacgtac	tattattgga	ttccccccc	ccccccccc	cgcattattca	cactgaggat	120
cagcctgtg	ataagctcta	catttttcta	ctcgattctc	tagcttgat	gttctcggac	180
acaaggaagt	ag					192

<210> 12613

<211> 510

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (125)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12613

gaagcggg	atgtgcgag	agcttgag	cggggtttt	ctgcccttt	tgtttccacc	60
ggatcggat	ggacgtgtt	gatgctaact	gccaaccagg	catacgttga	tttcaccaag	120
tccanagat	tggtcgcgga	tgtcaaggcc	gccacgcgg	atgggctggg	tgcgcatgcg	180
gtgattctcc	tggtgttctc	ggagaagccc	ttccagcagg	cgaccgagta	tgttcgctcg	240
cgcgggactg	tgcgcgccat	tggtttgctt	gcgaacgctt	tcctgagggc	accggtcctc	300
aacacggtgg	tgcgcgatgat	caacatccgg	ggcagctatg	ttggcaaccg	acaggatggc	360
gtcagggcga	ttgatttctt	cgctcgcgga	ctgatcaagg	ctccgtacaa	ggttgctccg	420
cttgcggtat	tgcctaagat	ctatgagctc	atgggtatgt	ttcttccgct	accttcagtc	480
ctgtggtggg	tctcgcctaac	aggtcaatag				510

<210> 12614

<211> 813

<212> DNA

<213> A.fumigatus

<400> 12614

atccatctca	tcaatcatca	atcatcagtc	aatcacatcg	cttggtttat	acaccatcag	60
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tccatgcaat	gggcccaggt	ggccgaacag	gtcggcgggc	ctctggctct	caagcaaate	180
cctgtcccaa	agcccggacc	cgatgagatc	ctggtcaaga	tcggttactc	gggctgtctg	240
cacaccgacc	tccacgccat	gaaaggcgac	tggcctctcc	ctgtcaagat	gccccctcgt	300
ggtggccacg	agggcgccgg	cgctcgctga	gccaaggggc	acctcgctac	ggaattcgag	360
atcggcgacc	acgcaggcat	caagtggctg	aacgggtcct	gtctcgctcg	cgagttctgc	420
aagcaggccg	atgaaccgct	ttgccagaat	gccttgctgt	ccgggtatac	cgtcgatggc	480
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cccttggatg	cggtggcgcc	ggtgctgtgc	gccgggatta	ccgtgtacaa	ggggctgaag	600
gagtcggcgg	ctcggcctgg	gcagacggtg	gcgattgtcg	gtgcgggtgg	tgggctggga	660
tccctggcgc	agcagtacgc	gcggggccatg	ggtttgcggg	ttattgcgat	tgatggtggg	720

gatgagaagc gggcgatgtg cgagcagctt ggagccgggg ttttgctgcc ctttttgttt 780
ccaccggatc ggatgggacg tggtcgatgc taa 813

<210> 12615
<211> 210
<212> DNA
<213> A.fumigatus

<400> 12615
acaaatcatc gacagataac aggtagaccc ctcaattggt tccttatcgt tccctttccc 60
tctatttcct tttcttcgca ctttgagctg gccattctgc gacaaatctg gaccgctttc 120
ccaactacat acttcgcgca cttggactcc ctggactccc ggacttttagc tgcccttactg 180
gatcttactg tcataagaca gtgtccttga 210

<210> 12616
<211> 498
<212> DNA
<213> A.fumigatus

<400> 12616
aaaggaaggt tctcttccac gttgtgtcta agaccttcat cgaaactggt caagccaacg 60
tctcccagtc cgaatccgcc gtcaggtctc tctctctca gtcccagtc cttcaagccg 120
ccatcgccaa cttacaaggc gagatttctt ctctcaattc tttcaattca actctgcagt 180
ccaacacctc cattctccag caatccctcc accgtgccga cggcgctcat gcagccgcgc 240
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caccatcggc tctgccaccc atcgatgagg tctctgtcgc cctaccgtc gttggtaagc 360
agctttatga cctcgtgtcc gaagagcgag gaatccagca ggctatttac gccctgcaag 420
ctgccttggc caaaggagtc attggcggtg acacatggtc gcgacatacg cgcagtttgg 480
cgcgtgaagc gttcttga 498

<210> 12617
<211> 894
<212> DNA
<213> A.fumigatus

<400> 12617
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cgtgattacc atggcaatgg aagcctgttt tatctttcgg atgacgagat tcacataata 180
agagaccgca catatgttgg ccagcttcac agtcatccca tctacaagga caacgtgttt 240
cacatctgtc gtgggtcaca gtacatctcg agagaggggc ggtggacgga caatatcaat 300
gaagctcttg atgtccaaat cgaccagaa gaccacaca gcaccgacag cgctgaccgc 360
gctcctatcc tatcactttg cgagcctatc ctcaaccccg ctcatcctgt ttccgcagat 420
ggaatcgacc tctaccatcc cggttaagcaa ttcgctctgt atcccgttac tagcgaccgc 480
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agcgccggac tcccgtttca gctctcggtg catgaaggtc ggacgcgaat ccgcgcaaat 600
gacggcatgt acctactgt cgtcatggaa gatgatcttg tcccgtacct gaaaggagaa 660
tgccagcggc attccaggtt cagtcctgtc gcacattgtt caacatggta cagcctcggc 720
tttctgctctg agcctgctga ttgccttgct ctgattcccc acggtctgcc tagcatgttt 780
gtcttgcatt acggggcttt ctactacagc atgaatgtcc ttaaggcaag ctatgcgag 840
acaaagcgcg tcaagcacat tgaggaggca tcgctttttc aatttgttgg ttag 894

<210> 12618
<211> 606
<212> DNA
<213> A.fumigatus

<400> 12618

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<210> 12619

<211> 1113

<212> DNA

<213> A.fumigatus

<400> 12619

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gaaaccggct	ccatctgcac	tgtgtgcacc	cctccaaaac	ccagaatact	gtggggctcg	180
gatatgaaag	gtttgatcaa	agcatatgag	gatccaaggg	atgcagctct	atatgagcgt	240
caggtaaaag	cgcagccatc	accgttcttg	atttttcgcc	gtgtcgatga	tgataacatt	300
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<210> 12620

<211> 756

<212> DNA

<213> A.fumigatus

<400> 12620

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cattggaacg	aaataaaacta	tctcgctgtc	cacaaaagcg	tcgatactaa	ggcatattat	300
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cctgcaagct	ctccagcagg	tatgttccta	ttggatgctg	acgatcccag	actcgaacaa	480
atcgagaaag	acatgtcaat	tcgggtcaag	tccacaacag	taagaccat	tatcgactgg	540
acaaagtacc	aagctcgcca	tcagaactac	cgttcagccc	aggaaactcg	atttgaaagg	600

ccgataagca	agttctcaaga	taccggcgga	tgccagatgc	tggaactttgc	gtggcagacg	660
tggttcagat	acttgcccga	acgaatctgg	gatacaattg	atgtcaactt	cttgcggaag	720
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<210> 12621

<211> 1863

<212> DNA

<213> A.fumigatus

<400> 12621

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gaaccctatt	accacatatg	tttactggg	cgaagaaacc	ggctccatct	gcactgtgtg	1800
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tga						1863

<210> 12622

<211> 249

<212> DNA

<213> A.fumigatus

<400> 12622

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cccagtcag	ccgtgctacc	tgactcctgg	tctctagctc	cgggccctag	actcctgtct	180
ggtagttcgt	tcaagacact	cctgatccat	ctaggagagc	gtgtctgctc	aaaacccaag	240
agctgttga						249

<210> 12623

<211> 183
 <212> DNA
 <213> A.fumigatus

<400> 12623
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 ggctatagtc tctcgctttt gcgacgaaat gtgaatcgaa tatatcactc tgtcagcgac 180
 taa 183

<210> 12624
 <211> 1632
 <212> DNA
 <213> A.fumigatus

<400> 12624
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 ctactcgctg cgggttgaga tgagactcgt gcatatttct acgatgttac atgtgattat 180
 gagacaacga ttcagacaga caacgggtgag aagcttcctg catgggattg ggatcttata 240
 cgttgcatag agatggatat tggcacgcgc ttcgatgatg gctgctgctt cactgttgca 300
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 gacgtggcca cagttcgaga cacagaaggc gaggcagacg gtaagaacgc gataatatgc 420
 aatttcaact catccaggcc gtgctgtaac ggtggtgctg tgcgttgcat ggcttttgca 480
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 aggacactgt aa 1632

<210> 12625
 <211> 1968
 <212> DNA
 <213> A.fumigatus

<400> 12625
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 accattgagc caggcaccgg ttcaccttgc ggtacagaga caagaagacg aacactacgt 180
 cccatgtcct cgtcaccaac tttgacggat ctcatatcac tgttgccgct ttatgaagct 240
 tctgagctac tcgtcgatac ctattttgac cgagttcact ggtttatgct catctttcag 300

caggatgact	ttcgtcagaa	ctggccacac	ctgtatgaaa	cacaatcaga	tggccccaat	360
gaagtttgca	atgatctggg	ctttctcagc	acttttttga	tggatcatagc	tattggagca	420
cactatacag	gacctatcg	gcaacgtctc	ctagctcgat	ataaggtcga	acctgaggcg	480
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gctgctgggg	cgatcatgcc	aacggacgca	ccattaaaca	tgtcagatac	tacagacacc	1860
cgagaaacag	agagccagaa	agccgcgcca	gatcgaaaca	gtctcggcaa	ctacacgcat	1920
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<210> 12626

<211> 288

<212> DNA

<213> A.fumigatus

<400> 12626

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gcgtgtgaaa	gagctgttct	gacgcattgga	ggaatgggtt	atgcgatgga	gtatgatgtt	180
gagcggtatc	tgagggaatg	tctagtccct	cggattgccc	cggtgagtcg	ggagatgata	240
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<210> 12627

<211> 546

<212> DNA

<213> A.fumigatus

<400> 12627

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aaacgctctc	cgcgacgccc	tccgcggcgt	agggcgcgca	aataaccagcg	tcgacgtgat	180
cgtcaccaca	ggcggcgtct	caatgggcga	gctggacctg	ctcaagccca	ccatcgagcg	240
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cgagtgcgaag	ctcatcttct	cgctgcgggg	gaaccctcgt	tcagcgttgg	tgacgctaaa	420
tctgttcgtg	cttcctgtcc	tgcacaagat	gatgggaatg	gggcagagac	agactgcgcc	480
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gcttga

546

<210> 12628

<211> 771

<212> DNA

<213> A.fumigatus

<400> 12628

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aacgctctcc	gcgacgccct	ccgcggcgta	gggcgcgcaa	ataccagcgt	cgacgtgatc	180
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cggctgtatg	ccacgagtac	cggacttgaa	ggtgttggcc	agcggagctc	aagagtaggg	660
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<210> 12629

<211> 240

<212> DNA

<213> A.fumigatus

<400> 12629

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ctccgtggtg	tggcgggcga	ggcagacacc	tatggttggt	tggccgttga	taatctctac	180
aacatcatgc	atactacaga	ccgtagggtc	ctcctcattt	gccatttgaa	tcgaatataa	240

<210> 12630

<211> 471

<212> DNA

<213> A.fumigatus

<400> 12630

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ctcccttcta	acgtggaaat	ggagacacat	gatttcacac	gcgaggagat	tgcagaaaaa	240
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gattttgttc	gctttatcgt	catagaaata	gcccgcgaag	aggggaaggg	atcgacattg	420
cctgcattca	gggctgagaa	gaaaaagggg	tgggaagatac	acaaagggttg	a	471

<210> 12631

<211> 219

<212> DNA

<213> A.fumigatus

<400> 12631

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gacattgatt	tcgcaacgac	gagcgtccgc	agtgatattt	tcgagtttga	cacgaagaat	120

cttttctct gtggtagtcc tgtcggcttt ttcttactat tgaataaagg tatgttggat 180
ctatacatta cccaggttgt tctaccgaac acctgctga 219

<210> 12632

<211> 249

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (184)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12632

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ccctcccccc tgtctctctg ctctgggtggg catttggcgg acacaagcca gggatccaag 180
gcanatgttg ctgcatggga gaaccctgg ctgagctctgg ggtttgtgtg gctaaaaatt 240
gctttacaa 249

<210> 12633

<211> 1431

<212> DNA

<213> A.fumigatus

<400> 12633

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aaactccgag tgcaaaaaca actcgccgaa cgtcatcaga aggcgtttgc gaaggctaca 180
gctgtcacca tagaggccgt cgacgacatc cgcgcagttt ctgcattctc tctggagaag 240
caatcgtacc aggtttatgg tcgtgcaact cgagggtccat accggggtac catcaaagcc 300
acgttccacg ggaatgcatg gttagcattg gcatttagca tcagcaacct ggtctatgcc 360
ctagcgtact ggtgggggttc gaaacagatc gccgagggtc gctattccca aacgcaattt 420
ttcattgtca tgccagctct gttgttttagc acgcagtcct gtgggcagat gtttgccctt 480
gcgccggata tctcgaaagc cgggggtggct tcgtccaata tcgtcgaact gctgactacc 540
cgttcggcag aggatgaagt gacacctgga tcatcgcaaca gcttccagcg ttccagcagt 600
cttctcgagg agaagaccgc agtgcaggac atcgaggcgc aggaatatgc tcgctccaca 660
cggcaacgtg ccgctgaaag gggaggcatg ggcgcccaac tgcgcgatgt ccattttact 720
tatccacatc gccagagcg cccggtcctg aagggtctca acattgacat caaaccaggt 780
cagttttgcg ctctgggtggg gccagcggg tcaggcaaat cgaccacgtt tgccatgctg 840
gagagatttt accggcctaa tgccggtgca gttgtcatcg acggtgtgga cgtcaactcg 900
caggtcggga cagagtccg cgatgatatt gcgctgggtc ctacgcagaa cattctcttc 960
gagggaactg ttgccttcaa cgttgcaact ggcgcgatgcc caggccacga gccacacaa 1020
gaggagattg aggaggcatg tcgcatggcc aacatccacg atgtcatcat gactctgcc 1080
caggggtatc agacgatgtg cagccatgac ggcaagcagt tttcgggtgg acagcgccag 1140
cgactgtcga ttgcccgcgc attggtgcgc aagcctcgct tgcgtgctgt ggacgagtcg 1200
acaagtgcgc tagacgtgga atcgagaaag cgaattcagg aagcgtggc gaccctggca 1260
ggccggacca cagtagtggc catcgcgcat cgactgaata ccattcatcg ggccgatcag 1320
atcttcttga tcgaggacgg cagatgcatt gagcaaggta cacaccagca gctgatccag 1380
cggagcgaga cataccggac gagtgtgatt caccaatcgc tggaaacttg a 1431

<210> 12634

<211> 276

<212> DNA

<213> A.fumigatus

<220>
 <221> unsure
 <222> (212)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12634
 ttctttctcgt caggcgtggt tgtcttgatt cctttcctta ctctgtttgt ttgctccacc 60
 ccccttaaac atctttctct gcaactgtaag tatgatctcg tatcactgcc ccaaatacctt 120
 ttccgtcccc ctctccgggg tcaaccaccc ctccccctcg tctctctgct ctgggtgggca 180
 tttggcggac acaagccagg gatccaaggc anatgttgct gcatggggaga acccctggct 240
 gagtctgggg tttgtgtggc taaaaattgc tttaca 276

<210> 12635
 <211> 729
 <212> DNA
 <213> A.fumigatus

<400> 12635
 attgacaata ggtgtatagt ccgatcgag gtcctcgcg atgtccaacc cgagactgtc 60
 cctgcggtac tgtatcatgg cgagtttcag ctgcccagg ctgatttcga ccggctattc 120
 cggccgcaca caggagagtc caacatcctt gcgggtgttg gcgatggctt caacacgccg 180
 ttccgctctt gcaacatgac taagacgcat gtacacatgg actggtcgtc ctccgcccgg 240
 gtcagaggca gcggagagga cgaccgcgtg taccggccca atctcgctc cgaggaagca 300
 aagcggatcc ccacagcgtt ggtggaagag cttgcgtcgc gcgatctggc cgagccgtgg 360
 agtctgtttc tcaatggtga ggctattcaa catcaccggg tgtttcactg ggccgtccgg 420
 tgcgtctctg tgacgcgaga agacatgcag cgtgctgtag ggccgggggt cgcctttgtc 480
 ggcgactcgt ggcattcgat gcccatattt ggcggagagg gagggaaatca tgcaactggca 540
 gatggtattg agctggccgg tgctattgct gctggcgaga ccggcgattt aggcacggcg 600
 attgggaatt actatgacca agcatggaaa agatcacagg acgcggtacg acggtccaaa 660
 cagcggttct atacgtgca tcggccgatg gctgagtggc gggagctttc gaagaagaag 720
 cccctgtga 729

<210> 12636
 <211> 270
 <212> DNA
 <213> A.fumigatus

<400> 12636
 gatgattggc gaggcagaga ggaacccac cctctccagc gagccttgac agttagggct 60
 ggaaaatgtg gagccgacac tgagaatgag agcaactggc accttgatgt tgattatgca 120
 tggatggcaa ttgagagtaa tgaagatcaa aagacctgt atctatccc acgagaaata 180
 gacaagaaaa ttgcagctaa ggttgaccaa gacgggacga gacacagaag cgggtggctg 240
 ggtagagcaa ctgaagaaaa tcgtccttga 270

<210> 12637
 <211> 498
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (416)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12637
 cttgttccga aaataagaaa tccaggaagc ttttttctgc ttgtctggct agttaagca 60

tatatagaca	ttaactcacg	cccagccacc	aaacaaccat	ctattatcaa	gatggagaaa	120
agtaatcggc	ggaaacgccc	ctcaactccc	catctcagct	gcgagctctg	ccgagagcgt	180
aagatcaagt	gcgacaaggt	cgatccctgc	aacaactgcg	tctcggcagg	cgtggtctgt	240
atccctgtcc	atcgccacg	cctgccacga	agcgctccatg	cgcgacgagc	tcgcccgaatg	300
tccccaacat	tcgtgcccc	acgcgcgcct	acccctgtag	cgggtccggt	accttccaag	360
aaaaagcaga	cagatcattc	ctccggcgcc	gtaacgggag	ttgacgacga	actcanggag	420
acgcgttcac	cgggcttgaa	gggggagtc	acagcatgcg	tggcggctat	gcaggactca	480
tcctccgcaa	atggttaa					498

<210> 12638

<211> 2325

<212> DNA

<213> A.fumigatus

<400> 12638

tctgattctc	atctccgaca	gataaattca	gtccccgcgc	tatctcctgc	tcttgcaccc	60
ttggacgtga	gcatattggc	cttcagcagt	cctcgcctg	agccagagct	tcagatgcta	120
cccagtcctg	cctcgaccga	gatcttggaa	acttcgaagc	cacaaaacca	ccagtcacaa	180
gatcccgatg	caagtacagg	cccttatgtc	ctcgaacgcg	tacagcggac	ttctaagggga	240
ggtgcccgtg	gcatgatgca	gatagatcgg	cctctatcag	cagctgaaag	actgcaaate	300
tgggaccatg	cagcaacagt	cggcgtaact	gagccttgcg	aatccacggc	gtttgcagcc	360
gaagagggaa	gaagtcaacg	gaattcacaa	gatatacagc	tccaggcgaa	cctaataata	420
cagaaaactgg	acaaccacga	cgaacaacca	gcgtcacatt	ccgccccgtt	agcagaacga	480
aaggtgtcgg	agaaagaaca	tgaatggctg	gtgactgaaa	ctccagtcaa	agagaataca	540
gcagtagttc	tacagtctcg	acccgcattc	atctccccgt	ccactacctg	ctattcttcg	600
catacaaatg	acgcagcatt	cgaagcgtca	attcaatgtt	ctaataatga	ttcaggagag	660
tcagacactc	atcactcagc	cccagatccc	catgcctcca	gcactcaaga	acaggccaac	720
aggaaatcgg	tcagcaacat	aactgtcgaa	ggaggaattg	tatcaacgaa	tcagaatgtc	780
ccaacactac	ctgtccttga	ttcccagatt	gtctcaaagc	agggacaacc	aaccagtagg	840
atccagcaga	gcaatataag	cgcgtttatg	gtcggcgata	gtgatctgac	tgcagcgact	900
cagactcggc	ttcagaccaa	cacccctgcc	accgtcttca	atcaacattt	acagcagagg	960
aagagggaagc	gacagcttac	caacaaaagt	ttcgtcggat	cctcgcagtc	tgagcaacag	1020
gagcagcaaa	ggcagggttag	gaaaccgtca	tttacaactg	tgggttcttt	ggccgccttc	1080
atggagacaa	gagggcgaaa	cgagatgcgg	aatatgggtg	cacaaagccc	atacttccca	1140
gcgggaaagt	caactgacga	cgtttccaag	cgacaaagtg	atgaagtgag	catagagaa	1200
cccgaagcgt	gcttaaatga	gccaaaacaa	agcgaaaacg	tctcgatat	agtacagaca	1260
gccacacaac	ttcctcgctt	tcagcagcag	acgggagaac	agccgatcct	gttcttatca	1320
accacacttc	tgaagagtca	ccttcggctt	gtacgtgtgc	ttgaaggaat	ggcaggcctg	1380
ccagtaatcg	tatatagaga	ctataatcag	gaaacctctg	gtagtgagcc	tcgagggag	1440
catacaacct	ctagcatgaa	caacaacccc	actcatcaaa	ttgaagcaga	tattataatc	1500
tcgccgagta	ctggtctcgt	actgacaaca	tcgcaggcgg	caacacagct	atacctacca	1560
ggccacaagt	ccactacccc	tgagacgaac	actgagtgca	tcaactcacc	acttcgagaa	1620
cgcattcttc	ttctcgctcc	tcgatacgaa	agaatctacc	tggttcatttg	ccatagtgc	1680
ccttctccta	aagagtcgca	aggcaaacaa	tcgggtccaa	cagctgacaa	gcgactgtta	1740
gcgtccatcg	cctcgttgac	tgcggttttg	aactcgatgt	ccgcctatgc	aacaatcaac	1800
ccattgctag	caccttcctc	cccagaaaacc	gcggcgggct	ggatcctttc	gcttgcaaac	1860
aagcacattg	cgcgacttcc	cgagaatccg	acgcggatcc	cgcccagcac	aagcttcaca	1920
ccgattaact	cgccacagaa	aaaccgattg	aggccggaaa	taatgatgag	aacagccgtc	1980
tgggagttgt	tcctccgcca	ggccgggttg	aaccgcgtatg	ctgcgcaact	gattttggcg	2040
ttcatcaagc	gagaagacga	agaagagcgg	acttatatac	gttacgcac	ccctaagct	2100
gccagttcta	gctctgtgga	ggacggaggt	acacatggcc	ttgctaaggt	tatcgagatg	2160
gagccagatc	gaagaaagga	ggtcttcggt	cagctaatag	gtgacaggat	gatggggcgg	2220
atcaaccata	ttctcgacaa	agattggcag	tgcgactggg	tccttaactt	tgacgttgat	2280
acggaacttc	ttcaccacag	gggcccagag	atccacgcta	agagt		2325

<210> 12639

<211> 249
 <212> DNA
 <213> A.fumigatus

<400> 12639
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 caactgattg attcattcat tgctgacatg gaggccacgt tcggtatcaa aacggaaaag 120
 gtttctatag ctgacacctg gaaagctttt ccaccaaacg aggctggaaa ccacacaatt 180
 caggagtatc tgaaggatgt gagaatatca ggcagtctat ccagcagatt tgaagagaca 240
 ctgtgctga 249

<210> 12640
 <211> 474
 <212> DNA
 <213> A.fumigatus

<400> 12640
 ccttgctga ggggtgagaga tcagattcag attcagctga tcggaagctg tgctgtttgc 60
 tggtcaccat cggtgtgct gaattcagat ttgatagcag ataaacaagc aattattatt 120
 ccgatggacg accccggctc gacagttcag gccagcatgt tcttcctgac gccggacgaa 180
 ttgcacaagc aacagcggcc ttatacgttt aaattcccac cctacaatgg ctgtcctcag 240
 agcaacatga cacatgaaaa aatcaacggg attaccgctg agaatatgcg gggacgggaa 300
 gatcagtttc agctggagcg caatggcttc accattctca aggtcaacac tggcctcgag 360
 tatgacgatt ctttcaagca gaaaggggtt acacagtacc ttcgcttgat ggaaggagtg 420
 ctgaaagctc gtcttggtgc tagtcgggtc gatgtatttc gttacggtgt atag 474

<210> 12641
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 12641
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 gtgacggacg agggggatat ccaaactgga accgcgcacg cggtgcgcgga gagcatcca 120
 catccctatg ctcccgctcc tagctctggt aacggtgctg gagatgcca caaggactcg 180
 cattgtagga ggagttcaag tcccgaatag 210

<210> 12642
 <211> 777
 <212> DNA
 <213> A.fumigatus

<400> 12642
 tttccaacac tgcgatgat tactgctaac acactgataa gctctaaaat accttcagca 60
 tgcccatcca agattacggt gtctggaagg catatcctgt gcaactacaat agttgaacac 120
 catgaagatg acccagcgtc accgcatcta tcattatata atgacggcag tggacaacgt 180
 cgcaaggagg gctctcaacg caaccttggc cggacaggga tggaaatttc ttggctcttc 240
 cgagctgcaa tcaatatcaa atctggagac acgaatgact ctgcctcgt gtattggata 300
 gatcgcgatt tcagccagca ctccatcatc gacaggctca gtgtcctaaa gccgggattc 360
 catctactcg aagatacgaa atcaagccct gatggtccaa ggggtgggtt tatccggagt 420
 aactttgttc acgtcaacag cggccgggtt ctgccgcaga acattgaggg ccctgataac 480
 aatattattg atctgctaga acctgaagtt cgtcaggcca ttgagcgcca agctgaagta 540
 tatgtttttg gtgcgcgttt tgacacgaag gatggaatcc acgatgtcca tatgaaccag 600
 ggcaacaaaag gacgttgaa ggggataaca ccgtctttca agacggagca ctctttattc 660
 atttcacaaa tctgaccga tggcttggca ttttctcgg ctttgcatcc caggcagccc 720
 attccgatga tcggactggg catgccatat catcggagac ttggagtgc tacctaa 777

<210> 12643
 <211> 2286
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (147), (996)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12643

ccccctatca	ggtccaagac	cgatgcggat	cgggcgaagt	ccaagcagca	gctgaatttg	60
cttcgacagc	accagcatgg	cgccttcaaa	cttgacgcgg	ccaagaggc	tcttgcgata	120
cccctggact	taccacccat	cctgcangga	cgtcgttaaga	agttcaatcc	gtctaaactg	180
tcttcggaac	agttcaggaa	atgtgtcgaa	ccttggggcgc	tcagtgtctgt	tctggccttg	240
attcgcgata	tgtgcgaaga	ggaaacagcc	ctgaggaaat	cggccattgt	cgacgcgata	300
gtcgctttgt	tacttcccaa	ggtgccgacg	atgaatatcg	cggacgcaga	gacgctggct	360
gcgcgagtcg	ttgacaacat	gctggagcag	gaggctctgg	tgaagggaaga	agaatgggtc	420
aaattcggga	gagggactct	gtcgggtggt	ttgttccaga	ttacaggcac	tgggtgctat	480
tgcggcctgc	tacatgaaca	ggagaccgag	atcctcggac	gctgctattc	gcaccactgc	540
atgcggacgc	tgaagaaggt	caacctgaaa	gcgcacaaga	tggcaccgca	aaagaaagtc	600
gaggactggg	tcacattcta	caagggttccg	aaggaagtgt	gggaggctta	tccgaagaaa	660
gaggtggacc	gccagaacaa	tctgcatgag	attgtcacga	ccgaggatgc	attcatcgga	720
cagctggacg	tcttacgcga	actctaccgg	gatcagttgg	caaatatgca	gcctgccatc	780
attccgccaa	agagattacc	gaagttcctg	aacgatgttt	ttggaaaggt	agatgcggtc	840
aagaaggtaa	acgaggagta	cctcctcgcg	cagctcaaat	accggcagaa	ggaacagggc	900
ccgttcattg	tgggtttcag	cgacattttc	cgagagtggg	ttcgaaaggc	taagatgggtg	960
tacattgact	acgcggcaac	gttcccgtac	gccaaantacc	ttgtccgtaa	ggagatggag	1020
agaaatgccc	actttcggca	gttcttgaat	caagctcgtg	agcacaaaat	gtcgaatcgt	1080
ctcagctggg	atacctatct	caaagctccc	atcactcgga	ttcagagata	caccctactg	1140
ttgtcgactg	ttcacaagaa	catggtcaag	gagtgcgagg	aaaagacgaa	cctggcacaa	1200
gctattgatg	agatcaaggt	cgtggcccttg	gaatgtgaca	acaaagtcgg	tgagacaagc	1260
aagaaggttg	attttgatgga	attgtctgcc	aaactgcaac	ttagaccgga	gatgaagaag	1320
gaagtagagc	tgaatctgca	gcactctggg	cgcgaaatca	tctaccgagg	agacttgag	1380
cgccctggga	cacgcactcg	attcctcgtg	gacacgcgat	ccattctttt	cgaccattac	1440
cttgtccttg	ccaaactgtc	caccaccogt	gatccgacga	ggggcatcaa	atatgaaagc	1500
tatgatgtat	ccaagctgcc	cattccaatg	gatcttttgg	tactcgagag	cacgaatgat	1560
gatcccgtcg	ttaagtcttc	cgttcgagga	gtttcgactg	tactccacc	gcaagccacc	1620
acgcgtgggtg	caggtgctgc	acccctcatt	cattccaata	gtggcaattc	gggtaactct	1680
acttcttccg	gcaagacatt	ggtagcagcc	acggtacttg	agagttccaa	agatgacaag	1740
atcctatatc	cgttcaaggt	caaacacctt	gggaagaacg	ggacctttac	gctatacgca	1800
ttttccgcgc	agaatcggca	ggagtgggtg	gacaaaatca	tggaaagctaa	gacgagacat	1860
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gcctttgcct	cttccgatca	ttcaggtatc	tccaagcgga	cagtcaccgt	caaaggcacc	1980
cctctggacc	gcgctattcg	ggaagtcgag	gagcgggtatg	ggggctcaaa	gtctcggcct	2040
gtgccggttt	gcagaaccag	cgtgcattgc	gcaactgtat	tccagcagcc	tccaggccgg	2100
atgatgtgtg	cagtcggtac	tgattacggc	gtgtacattt	ccgagtacaa	tgaccctcga	2160
ggttgggttc	gagtaagtac	tttccattgt	ggtctgttgg	catctgctaa	aattggctct	2220
aggccattcc	gatcatccga	gtgtcgcaga	ttgcgggtctt	tgaagagttc	aatctcttcc	2280
tgtctga						2286

<210> 12644
 <211> 1554
 <212> DNA
 <213> *A.fumigatus*

<220>

<221> unsure

<222> (1074)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12644

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ccggacgagc	tccttcacga	accacctgcg	cactcgacac	ctgcggaaga	tttatacggg	180
aaacgacaga	gcttcggccg	tcgcgggctg	ggacggctgc	tgctacgcc	ccccattcaa	240
caagcacaat	cgcagatata	tcgcgccgg	acagatgcct	tgactcggca	ccccagtcg	300
cggcccttgc	cgggcccacc	agtcgacgcg	gacagcgatt	cgtcggccgt	tgatgatctt	360
aatggggctg	gtggccgaga	tcgcgggctg	gaccgaccgg	tgggttatgg	cgatctgatg	420
agggaaagtgg	aagcggctgt	gatagataat	cgtatgagtc	gggagacacg	ctataacacc	480
aggccaccgc	gtgttgacgc	tcagagctcc	catcacgaag	aatatgacct	tagcccttcc	540
gtcactgcc	cctcgagtat	gcgcttgtct	cctgacgaga	ggcatacga	cacaaacggc	600
acattagcga	cgggcacagg	ccagtatgtt	aactatgatg	cgtacagcga	tgacagtgat	660
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gccgagcggg	agcaagcgcg	cacacggcgg	gagactaatg	catcaatcat	cagtgcctat	780
ggaagccatt	cgtcagcgcg	agcgccatca	cctcgtcgag	attctcgtca	agatgaactc	840
catttcgcga	ccaatacggc	ctacggcagg	aatcattatg	agcgctatca	ctacgatgct	900
gacatggatg	aacatgctga	cgagactcac	aatgaaggcg	tagatcaagc	cacaaggctc	960
gccccttcgg	gctcgtctcag	cagatccaac	ctttctgagg	acgaccgcgg	cgagtactcg	1020
gacgactatg	actactatcc	tgtaccgat	gatcaagtac	accaatatta	tgantacatt	1080
tcgcgggcgc	gggtcgatgc	tcgaggcact	gggtggcctgt	cagaacctgg	cgcatacggg	1140
cgtcggatga	gcttcgacta	cggtgacgag	gctgacgcct	atcccgatga	tgtgcatcac	1200
tcaggaagtg	aaggatccga	tacaggagga	ataccagggg	agctcttttt	ccatcccggg	1260
atgcgggccac	tgccaccggc	ccccgttgaa	ccagcgaata	acgcagatct	tctgccccac	1320
ctgatgccgg	ctgggacata	taggcctcaa	gaatcggggtg	aatacccgga	agaaaccag	1380
tatacaagcc	ctcaataccc	tgtttctgcg	gattcggttg	cgtccaccgt	gtccacacca	1440
acatcccaag	tgccacggtc	gacatctctg	tcaagtcatc	ctattggacc	cggacttgac	1500
cccctatcag	gtccaagacc	gatgcggatc	gggcgaagtc	caagcagcag	ctga	1554

<210> 12645

<211> 1002

<212> DNA

<213> A.fumigatus

<400> 12645

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gtgtcctcgc	aaacaacaaa	ggactctgct	cgccgggccc	cacagaagct	gtctggaac	180
cgggaagtgg	gattcttttg	agcaggccat	atgaaagatc	gtaccctggg	tatgtacaag	240
aagcgtgatg	gactgtcgtc	caccttcaag	gtgctggagc	ccgtgctaca	gaagtccacc	300
accagtaaga	gtcgactggt	ccatacccg	cgttcccaga	ccgagttctt	ccgcgaatac	360
gacgaattct	acatccctgc	cgagagctat	gggatcaaca	tgttccactc	atccctggcg	420
atctccaccc	agcggggcat	cgagatccct	accctcgaca	agaagcaaac	ctggctcgctc	480
cccgatttcc	ggtcggaagc	tcagaggcca	caagcccagc	tgagcagcat	cgccaaccgc	540
atcagtaacc	tcggtccctt	gggcatgttc	cgctaagcg	acagcgaatt	cctcgtcgcc	600
tacaccgact	gcgctgtata	cgtaaacaaa	cacggcgacg	tctcccgcag	cgtcatcatg	660
gagttcgtcg	gcccgcgcca	ttccgctgt	ttgtacggca	agttcctgat	cctcttcaat	720
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1002

<210> 12646

<211> 183

<212> DNA

<213> A.fumigatus

<400> 12646

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<210> 12647

<211> 282

<212> DNA

<213> A.fumigatus

<400> 12647

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<210> 12648

<211> 264

<212> DNA

<213> A.fumigatus

<400> 12648

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<210> 12649

<211> 972

<212> DNA

<213> A.fumigatus

<400> 12649

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<210> 12650

<211> 345

<212> DNA

<213> A.fumigatus

<400> 12650

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<210> 12651

<211> 207

<212> DNA

<213> A.fumigatus

<400> 12651

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<210> 12652

<211> 246

<212> DNA

<213> A.fumigatus

<400> 12652

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<212> DNA

<213> A.fumigatus

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<210> 12654

<211> 1770

<212> DNA

<213> A.fumigatus

<400> 12654

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<211> 2478

<212> DNA

<213> A.fumigatus

<400> 12655

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<211> 252

<212> DNA

<213> A.fumigatus

<400> 12656

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<212> DNA

<213> A.fumigatus

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<211> 237

<212> DNA

<213> A.fumigatus

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<210> 12660

<211> 234

<212> DNA

<213> A.fumigatus

<400> 12660

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<210> 12661

<211> 900

<212> DNA

<213> A.fumigatus

<400> 12661

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<210> 12662

<211> 420

<212> DNA

<213> A.fumigatus

<400> 12662

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<210> 12663

<211> 1128

<212> DNA

<213> A.fumigatus

<400> 12663

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<210> 12664

<211> 1191

<212> DNA

<213> A.fumigatus

<400> 12664

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ggaatcgagt	gtctgaaccg	tgagacgtgt	gtcccgtgc	ttatacgggtg	gaagacagcc	420
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<210> 12665
 <211> 309
 <212> DNA
 <213> A.fumigatus

<400> 12665
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 tctatcacct ttctttcacc acttgctcgc agcatgttcg ccccgccgc tagctatgtg 180
 gctgttgacc tcggagtcac gaatgagacg ctactttcct tcagtgttac aatctttcta 240
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<210> 12666
 <211> 264
 <212> DNA
 <213> A.fumigatus

<400> 12666
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<210> 12667
 <211> 534
 <212> DNA
 <213> A.fumigatus

<400> 12667
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<210> 12668
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 12668
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 gaagcttccg gtacttga 198

<210> 12669
 <211> 1449
 <212> DNA

<213> A.fumigatus

<400> 12669

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gagtctggtc	actgcatgat	gtgtgatcac	gatgagatgg	aagaacgtcc	atcaggagtg	240
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<210> 12670

<211> 402

<212> DNA

<213> A.fumigatus

<400> 12670

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<210> 12671

<211> 882

<212> DNA

<213> A.fumigatus

<400> 12671

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<210> 12672

<211> 801

<212> DNA

<213> A.fumigatus

<400> 12672

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<210> 12673

<211> 291

<212> DNA

<213> A.fumigatus

<400> 12673

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<210> 12674

<211> 651

<212> DNA

<213> A.fumigatus

<400> 12674

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<210> 12675

<211> 1161

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (118), (169)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12675

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gttttgtatg	gacaggaaag	agacgatggt	gaattgagtg	acggtcacac	tgggttcgca	1140
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<210> 12676

<211> 636

<212> DNA

<213> A.fumigatus

<400> 12676

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<210> 12677

<211> 234

<212> DNA

<213> A.fumigatus

<400> 12677

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<210> 12678

<211> 423

<212> DNA

<213> A.fumigatus

<400> 12678

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<210> 12679

<211> 582

<212> DNA

<213> A.fumigatus

<400> 12679

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<210> 12680

<211> 1386

<212> DNA

<213> A.fumigatus

<400> 12680

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<210> 12681

<211> 1125

<212> DNA

<213> A.fumigatus

<400> 12681

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<210> 12682

<211> 1005

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (97)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12682

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<210> 12683

<211> 204

<212> DNA

<213> A.fumigatus

<400> 12683

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<210> 12684

<211> 1629

<212> DNA

<213> A.fumigatus

<400> 12684

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<210> 12685

<211> 561

<212> DNA

<213> A.fumigatus

<400> 12685

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<210> 12686

<211> 279

<212> DNA

<213> A.fumigatus

<400> 12686

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<210> 12687

<211> 252

<212> DNA

<213> A.fumigatus

<400> 12687

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<210> 12688

<211> 840

<212> DNA

<213> A.fumigatus

<400> 12688

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<210> 12689

<211> 570

<212> DNA

<213> A.fumigatus

<400> 12689

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<210> 12690

<211> 201

<212> DNA

<213> A.fumigatus

<400> 12690

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<210> 12691

<211> 2475

<212> DNA

<213> A.fumigatus

<400> 12691

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agcatgagta tgagtaacga tgagatgagc tccagggggc ggccaccag tcgttggtgg 1980
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aacagccacc cggacctcgt tgcataccga acgctgggtg gtccaattag caatctctct 2400
gaaatcaaag caaccagaca cgggcatcaa tccggaaggg ggacgtttat tgaagaacca 2460
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<210> 12692

<211> 273

<212> DNA

<213> A.fumigatus

<400> 12692

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gctgtgtggt tttcggaggg ggtcatacta atgctttcgc gaaggtttgg tatcgaattc 60
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gcaaaaaggg tcctgggtat tagtcgtctg cctccatacc tcaccaccta ttttttctg 180
gccgctgaag ctgactatga atattacatc gcgcaggctc cctatagcct gactaggaat 240
ggtgcaacga caccaactga agggaaagag taa 273

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<210> 12693

<211> 225

<212> DNA

<213> A.fumigatus

<400> 12693

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acatacctaa cagagcctac agagagtgcg agttatcaga gactagacga gaagttcctg 180
tctgatgaat tggttagcaa gactgcttgg agcaaagcga gctga 225

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<210> 12694

<211> 420
 <212> DNA
 <213> A.fumigatus

<400> 12694
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 gaaggagtgt agactgccc a ctgtgctcaa ggcgacaacg ctgccgtcgc tcagctcctg 120
 ggtatcacat cccccagcgt gcgactcgac tcgcaggcca agtactgctc aattgctaga 180
 ggccgaggcg atatctacct acggctacct gtcagaaagg actaccagga gaagatctgg 240
 gatcatgcgg ctggcgatct cattgtccgc gaggctgggtg gacaagtgc cgatatctat 300
 ggccagcgct tggatttcag caagggacgc actttggctg ccaacaaggg agtcgtcgcc 360
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<210> 12695
 <211> 909
 <212> DNA
 <213> A.fumigatus

<400> 12695
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 ctagtatcct tcctacagtc gaagacacag cagcatgatg ctatctttac cgaagcagtg 180
 cagctacttg aatctatgaa gtgcgtcgct tcctgcaacc gggttgcagc ttcacggctc 240
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 acattggaac atgttcgctc tctgtacgcg gcacgacttg cagtatgtga actcgacgga 360
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 ggattctttg ggttttctc caatcataaa tccacgacca tcaactgccga ttctatgcct 480
 actgagatcc tagaatcatg cttacgggtca ctggaatctc gtccgcagtg gtggacatcg 540
 tatagtaata gtagacagaa tgccatgggtg atatgccaag caacgcggct tgagaccgag 600
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 gggctcgagg aggcgcttga aatggcctat gctgaatctt cccagcatca agccttcata 720
 gaggcgaccg cagctttgca ggcgaagctg agacaggacc tggaagcaac cgaaactggt 780
 ttaaggtc tactgggtaa cttaatggag ggtatcaa at ccgccgtcga ttcgggagtt 840
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 cgtgtctag 909

<210> 12696
 <211> 390
 <212> DNA
 <213> A.fumigatus

<400> 12696
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 acagcaacta cagtgggaacc tgaatatcca ggccaacaat tcgtctctct caagggttga 180
 tattcccatc ctattgagct cgggtgttccg aaggggagtca aggccagcac accgcagcct 240
 actcgtatct tgcttgaggg agtcgacaaa aacgttgtga cacaattcgc ggcggaaatc 300
 agagaatggc ggaagccaga gccttacaag ggcaagggtg tttttgtgaa cggagagaca 360
 atcagactga aggccaaaga gattcgggtga 390

<210> 12697
 <211> 861
 <212> DNA
 <213> A.fumigatus

<400> 12697

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cttaccceaat ccccaggaat cgaattctct agacaagacg tatccctcac cgatctccac 60
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gccccctccc ccaaggggct ccccttcttc ggcaacttct tccagatatt cccagaccac 180
ctgggcaacc accagcgtct ctttgagcag tacggtcccc taatcaagac caacactctc 240
ggcgcacag tctaccagac caacgacccc atcctctcgg ccacgtctt caacgaatcc 300
gactttttca ccaagaaaat caacgaggcg caccgctgt actcgtcaa gacacccgcc 360
gctggcgtgt tcctcggcga cactgacacc cccgaatggc gggttgcgca caagtctctc 420
ccgcccgcac tagggcccaa ggccgtccgg cactacgcgc ccaccatgca gaagaccgtt 480
gaggatgcct gcaccatctt cgaccagctc gatgcgagg gcgaggcctg gaacgtgtac 540
cagtacatgc tgaagctggg gtgcgaggcg gtgggtaagt tgacattagg cctggacttt 600
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gatcccaagc gtctgaggga cagcaaggcg cgcacgcagc agctggtcga ggagtcgggtg 780
cagaaggcgc agcggggagg cgtcgaggat ctgcccttgc aggatgctgc actgcgagcg 840
gcgaacatgg ttggtgagta g 861

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<210> 12698

<211> 750

<212> DNA

<213> A.fumigatus

<400> 12698

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tgggcccctcg tcgtagccac cggcgccggc ttcacgacca ccagctcgct cctctcctgg 180
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gaccacggct tcgacgatac cagggaaatc accgccgact ttgccgatca actcaccttc 300
ctggacaaat acatcaagga aacgcagcgc cggcacaacc cctccttcca gccggcgccg 360
accgcaaagc tcgacctgat cctgccaggc ggatacaaaa tcccccaaga cgcagtcgtc 420
atccccgccc tgcatacacat ccacaacaac cgggccatct gggataaacc cgcgcgcttc 480
aaccgccacc gatgggacac ggacgagggtg aagcagcggc acaaggcggc gtatatcccg 540
tttgggacgg ggccgcgcac gtgcacggg ttcatttctg cgctgcagga gatcaaggtc 600
ttcctgcca agctgatcta tcggtataag tttacgcggg agggggatgg cccattgag 660
tatgatccga tgttccagtt gatccggccg aataatctgt atgtgcgggc ggagaggagg 720
gttaagtggc cgtacaagtc ggatgcgtag 750

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<210> 12699

<211> 402

<212> DNA

<213> A.fumigatus

<400> 12699

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acaatctcgc ttgacggcat caatgatctc gagggcctgc gaaacctgat tgcgtctcat 120
ttcgccattg tcgaaccgag tggtagtct catctcagag tcccaactga cagcactaac 180
ttaccceaat cccaggaatc gaattctcta gacaagacgt atccctcacc gatctccacg 240
aatcacctc agccacaact cccgtcgcca tcaccatcga cggccatgct gtccgggacg 300
ccccctcccc caaggggctc ccttcttcg gcaacttctt ccagatattc ccagaccacc 360
tgggcaacca ccagcgtctc tttgagcagt acggtcccct aa 402

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<210> 12700

<211> 399

<212> DNA

<213> A.fumigatus

<400> 12700

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ctcagttctca	acaagcttga	cttttgcatg	ttgatcctca	aggatcatgca	agatgtacac	180
acggcccggt	cgtactaccg	gggcatattc	tccgaggcga	tccggcatct	gtcgtccacg	240
acgagcaagc	caaccgggca	ggggccgggt	gtggtcgaga	cgcggcgctc	tctccccggc	300
gaaccgacaa	tggagacgct	gctgagcggc	gatttcctcg	acggactgat	ggacgaggcc	360
tcgtttttca	acttctggga	accgctcagt	aatatgtga			399

<210> 12701

<211> 213

<212> DNA

<213> A.fumigatus

<400> 12701

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cgttcaaata	gccgggatag	ctacgcaccc	gacttgtacg	gccacttaac	cctcctctcc	120
gcccgcacat	acagattatt	cggccggatc	aactggaaca	tcggatcata	ctcaatgggg	180
ccatccccct	cccgcgtaaa	cttataccga	tag			213

<210> 12702

<211> 192

<212> DNA

<213> A.fumigatus

<400> 12702

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agcaaggaag	attaccatct	tttaaaactac	tcaaagtcta	cctcatccat	gctgccttcc	120
ttcgttgaaa	tcctttgcca	taatccatgc	tggtcaaaaag	aaccatttcag	atgggtactg	180
ttcccatttt	aa					192

<210> 12703

<211> 348

<212> DNA

<213> A.fumigatus

<400> 12703

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cgcgaatggg	ccatcgagcg	caatagtatc	tctaacaagg	aggaatacgc	gaagcgggtg	180
ggttacgaac	tggagattgt	caacatgctg	gccaaaaagc	ggtactcgca	tgaatggcgg	240
gagagctggg	agaaagttag	tatcatccga	gacgctatga	ggaagtatcc	aaatgcggag	300
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<210> 12704

<211> 486

<212> DNA

<213> A.fumigatus

<400> 12704

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gatcaaatac	tcgatcggtt	gggcgacttg	acgtatcgcg	atatcaactt	gtacaaccgc	120
ctgaacatca	gccaccccc	gacagcccc	tatctggacg	aactatcccc	ctcggcggaa	180
ggagacggga	atccatcttc	tatcgatctt	ttgctgtcac	aagactgcgg	aggtttcaac	240
ttgggttcac	tcttcattaa	acgctcgctg	tggtctgacc	gactattgga	tctctgggtg	300
gaccctgtta	tgtacgagca	gaagcacatg	gactgggagc	acaaggagca	ggatgcgctg	360
gagtatctgt	accaaagtca	accgtggatt	cgcagcaatg	tcgcctttac	gcctcagcgc	420

tacatcaact cgttccctcc aggagcttgt ggtgaaggcg acgatccgga cgtgcattac 480
tcggag 486

<210> 12705

<211> 2058

<212> DNA

<213> A.fumigatus

<400> 12705

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ttcagagcat	gctttttacag	gggtacatgt	acgtcaccga	gggacacatc	tgcttctacg	120
cctatctccc	ccaagaaatc	tacagtagct	atcaagtctg	gatattctca	caagcgtggc	180
cgaaagaacc	ccaagtatag	ccgctactgg	ttttctttga	agggtagacg	tctttcctac	240
tatgccgacc	cgtcaaactc	ctactttccg	agtggtcacg	tcgatcttcg	atacgggatt	300
tctgcctcat	tgggcgaccc	gaaagagaaa	gggagggagc	ctagagattt	tcaagtcact	360
acagaccaga	gaacgtacta	tttcagagct	gacagcgcca	tgagtgcgaa	ggaatgggta	420
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tttccgatcg	aaagcattat	agacatagag	gaaagtccta	tggtagactt	tgccgagacg	540
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actacgatcc	gtctgtacaa	ggctcatggg	tcgcagattt	tcttcacatt	cttcaactcc	660
ggccgagaag	cattcgagtt	tcttaaaatc	cttattaatg	accaatcttt	gaaaatttct	720
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caagaggcca	gatactatga	ttatggcgaa	aatgacttgc	ggcccttaaa	tgagtcttct	1980
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<210> 12706

<211> 921

<212> DNA

<213> A.fumigatus

<400> 12706

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ctgaaggaca	accacgatgc	ccaggctcgc	tttactgctc	ctcctggagg	atctggctct	180
cgcgagggcc	atcttcaata	catgcaacaa	tccatattcg	ggataatcgc	cgtgttggc	240
tccaggctctg	attttcatgc	gcgggtttgat	gagtcaagtg	acagtgatgg	agaaacaggg	300

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cagcggccaa ggaaggagtc gtctgtcagg aaaggaacgt ctgtgtcggg gaatacgtct 360
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<210> 12707

<211> 1206

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (332)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12707

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caggcgcgct ggaaagccga gttggacgcc cgggtgcagg aggggggtccc gcagtacatc 1140
aactatgccg agcgtacgtc tcttcatctc ctctcttcat cccttgccat agctgacaag 1200
tgctaa 1206

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<210> 12708

<211> 579

<212> DNA

<213> A.fumigatus

<400> 12708

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cagcagccgc gcgcgcgtct ccttgccctg cgcgatgtac ccaggatcc tccgggtgctg 180
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gacgtagatg	cgcgatcccc	ccgcgcagat	ctgcccgttg	ttggcggtga	tgcgataccg	360
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gccgagctcc	agcgagacct	ttttcagggt	cgtcttggcc	gcccgcggcg	agatcttccg	480
cccgggtggc	ctggagcccg	tgaaggacac	tttgcggatg	gcccgggtgct	cggcgaagct	540
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<210> 12709

<211> 657

<212> DNA

<213> A.fumigatus

<400> 12709

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ccgggtagg	tgcttaccgc	caccggccca	aaaatctcct	ccttcattgat	ggccgcattc	420
tcggccacgt	ccgcaaaccg	cgtattctcc	acgaaatacc	cggtctcgcc	gaccttctcc	480
ccgcaaaca	gcagccgcgc	gcccgtctcc	ttgccctgcg	cgatgtaccc	caggatcctc	540
cggtgctggg	ccccattgac	gatcgccccc	ttggtggtgg	ccgggtccag	cggatcgccc	600
accaccccg	ggttctcctt	ggcgccacgc	acatacgccg	cgaggaactt	gtcgtag	657

<210> 12710

<211> 1047

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (183)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12710

cctgtccctc	atgaactccg	tctccgtgga	cccagcggcc	aaaaccgtga	cggtcggcgg	60
cggcgccacc	tggaaaggagg	tcgacgaagc	cgctgccgcg	cacgggctgg	ccgccgtggg	120
aggcacccgtc	aaccataaccg	gggtggggcg	gctgacctcg	ggcggggggg	atggctggct	180
cancggccag	tacggcctca	ccatcgacaa	cctgctctcg	gcaacggctc	tcctggccac	240
cggacagggtg	gtgacagcgt	ccgcgacgga	aaacgcgcgc	ctcttctggg	gcctccgcgg	300
cgccgggtac	aactttggcg	tcgtgacgag	cttcaccttc	cgggcccacg	agcagcccaa	360
ccccgtctac	gcgggggtgc	tggtcttccc	cccggaccaa	gtcgaagcgg	tcacgagca	420
gctcaaccgc	accctcgagc	accccgaccc	ccgcagcggc	gccatctgca	tcctcgccca	480
gccccccggc	gctcccgtcc	ccatgggtcaa	cgtgatcggt	ttctacaacg	gcacccaggc	540
gcagggcgag	aagcgcttcg	cgggtctgct	ggccctcaac	cccgtcgtca	acaccaccgc	600
cacgatcccc	tactcccagg	tcaacgccct	ccagaacccg	atggccacct	acggcgggcg	660
caaactcttc	aaggcgctct	tcttccaccc	gccgctggcc	ccgtcggttg	cgcgagcat	720
gctggacgac	ctgaccgccc	ggctgcaggc	cgagcccgat	ctcgcccggt	cggccctcct	780
gctcgagttc	tacgatatgc	gcgccatctg	tgccgtgccc	cgcgaggcca	cggcgtttgc	840
cagccgcagt	tggacgcaga	acggactgat	caacctgcgg	tggaccgatg	cgcgcaagga	900
cggggagcac	cgggcttggg	cgcgcaacgc	gcaggcgccg	tggaaagccg	agttggacgc	960
ccgggtgcag	gagggggtcc	cgcagtacat	caactatgcc	gagcgtagct	ctcttcatct	1020
cctctcttca	tcccttgcca	tagctga				1047

<210> 12711

<211> 696

<212> DNA

<213> *A.fumigatus*

<400> 12711

tcaaaacctt	ccggaaattc	cccgtgtca	cggacagaag	ctcgcccaat	tcatcgtcga	60
acccgggttc	cccccccg	gtcgtcaaca	tcctcgcg	cgtgggcctt	ccccgccggc	120
cagagcttcg	ccgagcacc	ggccatccgc	aaagtgtcct	tcaccggctc	cagcgccacc	180
ggcggaaga	tcttcgccgc	cgcgccaag	acgaacctga	aaaaggctc	gctggagctc	240
ggcggaagg	gccccctcat	cgtgttcgac	gactgcgatc	tggacaacgc	gtcctctgg	300
acgcggatcg	gcatcaccgc	caacaacggg	cagatctgcg	cgcggggatc	gcgcattctac	360
gtccaggaca	cgatctacga	caagttcctc	gcggcgatg	tgcgtgccgc	caaggagaac	420
cccggggtgg	tgggcgatcc	gctggacccg	gccaccacca	aggggccgat	cgtcaatggg	480
gcccagcacc	ggaggatcct	ggggtacatc	gcgcagggca	aggagacggg	cgcgcggtg	540
ctgtttggcg	gggagaaggt	cgcgagacc	gggtatttcg	tggagaatac	ggcgtttgcg	600
gacgtggccg	aggatgcggc	catcatgaag	gaggagattt	ttgggccggt	ggcggttaagc	660
aacctaccgc	gatcggcacg	tacgagaaac	aagtga			696

<210> 12712

<211> 303

<212> DNA

<213> *A.fumigatus*

<400> 12712

ggtactatac	taatgctgct	gatgcagagt	atcgccaagt	tctcgaccga	agaggaagtc	60
atccgcaagg	cgaacgacac	cctgcacggc	ctcagcgcg	cgatcttcac	caccaacgtg	120
aatcgcgcg	accgggtgag	ccgcgcgctg	gagtcggggc	aggtgacggt	caacgcgtgg	180
gcgatgctca	gcgcgaatgc	gccgtttgga	ggggtcaagg	agagcgggtt	cggtcgggac	240
atgggcgagg	aggcgctgga	ggggtggacg	tcggtcaaga	cggtcaagta	tatgattatg	300
tag						303

<210> 12713

<211> 1230

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (845)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12713

agagaggaga	tgaagagacg	tacgctcggc	atagttgatg	tactgcggga	ccccctcctg	60
cacccgggcg	tccaactcgg	ctttccagcg	cgctgccgt	tcgcgcgcc	aggcccggtg	120
ctccccgtcc	ttgcgcgcat	cggtccaccg	caggttgatc	agtccgttct	gcgtccaact	180
gcggctggca	aacgccgtgg	cctcgcgcgg	cacggcacag	atggcgcgca	tatcgtagaa	240
ctcgagcagg	agggccgacg	cggcgagatc	gggctcggcc	tgcagccggg	cggtcaggtc	300
gtccagcatg	ctgcgcgcaa	acgacggggc	cagcgcgggg	tggaagaaga	cgcccttgaa	360
agatttgccg	ccgccgtagg	tggccatcgg	gttctggagg	gcgttgacct	gggagtaggg	420
gatcgtggcg	gtggtgttga	cgacgggggt	gagggccagc	agaccgcga	agcgcttctc	480
gccctgcgcc	tgggtgccgt	tgtagaacac	gatcacgttg	accatgggga	cgggagcgcc	540
ggggggctgg	gcgaagatgc	agatggcgcc	gctgcggggg	tcggggtgct	cgagggtgcg	600
gttgagctgc	tcgatgaccg	cttcgacttg	gtccgggggg	aaggccagca	gccccgcgta	660
gacgggggtg	ggctgctcgt	gggcccggaa	ggtgaagctc	gtcacgacgc	caaagttgta	720
cccggcgcg	cggaggcccc	agaagaggtc	ggcgttttcc	gtcgcggacg	ctgtcaccac	780
ctgtccggtg	gccaggacga	ccgttgccga	gagcaggttg	tcgatggtga	ggccgtactg	840
gcogntgagc	cagccatacc	ccccgcccg	ggtcagcccc	cccacccccg	tatggttgac	900

ggtgcctccc	acggcggcca	gcccgtgcgc	ggcagcggct	tcgtcgacct	ccttccaggt	960
ggcgccgccc	ccgaccgtca	cggttttggc	cgctgggtcc	acggagacgg	agttcatgag	1020
ggacaggtca	atcaccaggc	cgccgtcgga	cgagctgggtg	cccgcgaccg	agtggccgcc	1080
acctttgacg	gcgaggtcga	tctggtgctc	tggggcccag	aggagagcgg	cccgaacatc	1140
ctcggcctca	gtgggcatca	ccacgattcc	ctgctgtcaa	cctcagtcac	gatccgtgtc	1200
tggagtattg	cccagccgtg	gaagacatag				1230

<210> 12714

<211> 408

<212> DNA

<213> A.fumigatus

<400> 12714

aaaaggtctc	gctggagctc	ggcggcaagg	gcccctccat	cgtgttcgac	gactgcgac	60
tggacaacgc	gctcctctgg	acgcggatcg	gcacaccgc	caacaacggg	cagatctgcg	120
cggcgggac	gcgcactctac	gtccaggaca	cgatctacga	caagttcctc	gcggcgtatg	180
tgcgtgccgc	caaggagaac	cccgggggtg	tgggcgatcc	gctggaccgc	gccaccacca	240
aggggccgat	cgteaattggg	gcccagcacc	ggaggatcct	ggggtacatc	gcgcagggca	300
aggagacggg	cgcgcggtcg	ctgtttggcg	gggagaaggt	cggcgagacc	gggtatttctg	360
tggagaatac	ggcgtttgcg	gacgtggcgg	aggatgcggc	catcatga		408

<210> 12715

<211> 531

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (184)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12715

acgggggttg	gctgctcgtg	ggcccgggaag	gtgaagctcg	tcacgacgcc	aaagttgtac	60
ccggcgccgc	ggaggcccca	gaagaggtcg	gcgttttccg	tcgcggacgc	tgaccacc	120
tgtccgggtg	ccaggacgac	cggtgcccag	agcaggttct	cgatgggtgag	gccgtactgg	180
ccgntgagcc	agccataccc	cccggcccag	gtcagcccg	ccaccccggt	atggttgacg	240
gtgcctccca	cggcggccag	cccgtgcgcg	gcagcggctt	cgtcgacctc	ccttccaggtg	300
gcgcgcgcgc	cgaccgtcac	ggttttggcc	gctgggtcca	cgagagcggg	gttcatgagg	360
gacaggtcaa	tcaccaggcc	gccgtcggac	gagctgggtg	ccgcgaccga	gtggccgcca	420
cctttgacgg	cgaggtcgat	ctgggtgctc	ggggcccaga	ggagagcggc	ccgaacatcc	480
tcggcctcag	tgggcatcac	cacgattccc	tgctgtcaac	ctcagtcacg	a	531

<210> 12716

<211> 1173

<212> DNA

<213> A.fumigatus

<400> 12716

ccaccggcaa	tttttttatt	aatcaaaacc	ttccggaaat	tccccgctgt	cacggacaga	60
agctcgccca	attcatcgtc	gaaccgggtg	tcccccccg	gggtcgtaaa	catcctcgcg	120
ggcgtggggc	ttccccgccg	gccagagctt	cgccgagcac	ccggccatcc	gcaaagtgtc	180
cttcaccggc	tccagcgcca	ccgggcccga	gatcttcgcc	gccgcggcca	agacgaacct	240
gaaaaaggtc	tcgctggagc	tcggcgccaa	gggcccctcc	atcgtgttcg	acgactgcga	300
tctggacaac	gcgtcctctc	ggacgcggat	cggcatacc	gccaaacaacg	ggcagatctg	360
cgcggcggga	tcgcatctct	acgtccagga	cacgatctac	gacaagttcc	tcgcgccgta	420
tgtgcgtgcc	gccaaaggaga	accccggggt	ggtgggcgat	ccgctggacc	cgccaccac	480

caagggggccg	atcgtcaatg	gggcccagca	cgggaggatc	ctgggggtaca	tgcgcgaggg	540
caaggagacg	ggcgcgcggc	tgctgtttgg	cggggagaag	gtcggcgaga	ccgggtattt	600
cgtggagaat	acggcgtttg	cggacgtggc	cagggatgcg	gccatcatga	aggaggagat	660
ttttggggccg	gtggcggtaa	gcaacctacc	cggatcggca	cgtacgagaa	acaagtgagg	720
tactatacta	atgctgctga	tgcagagtat	cgccaagttc	tgcaccgaag	aggaagtcac	780
ccgcaaggcg	aacgacaccc	tgcacggcct	cagcgcggcg	atcttcacca	ccaacgtgaa	840
tgcgcgcgac	cgggtgagcc	gcgcgctgga	gtcggggccag	gtgacggtea	acgcgtgggc	900
gatgctcagc	gcgaatgcgc	cgtttgagg	ggatcaaggag	agcgggttcg	gtcgggacac	960
gggcgaggag	gcgctggagg	ggtggacgtc	ggatcaagacg	gtcaagtata	tgattatgta	1020
gttgcatctt	gtcctatcta	cagaatcgcc	ggtctacaca	cggatcgggt	gcatcttatg	1080
aaacacattg	tgaggatcat	acttggcctt	gagctcctgc	agtcgccccca	gattctcgcc	1140
gtagatgttg	tgcaccaccg	agtcacccgc	taa			1173

<210> 12717

<211> 513

<212> DNA

<213> A.fumigatus

<400> 12717

cgattgctta	ggacgcttgc	ttctgcagtc	gcagtgccctg	agcacgacac	cctccctccg	60
tctccagatg	ccaccctcaa	gcgaagaaat	tcatctacta	cggatccgga	cccagatagc	120
aagcgtcgcc	gattaagtac	ccaggaggag	aaggatcatc	cagcatcgga	tgcgaagcct	180
tcgatttttag	atacagcaga	gcagaggccg	ggccgaagag	ccagtcggca	agcaaatggt	240
cgcgaagagg	agcgcgaagc	cggacaacga	ctattcggag	cactactcgg	gacgctttcg	300
cagagatcca	gtacagcagc	tgagaagcgg	cgagcagaca	ttgaacggaa	gcaacaagtc	360
aaattgaaac	ttcaagacga	agagtacgat	gagctgaaaa	agaagaagag	ggaggagcga	420
gtcgactca	ggaagaagca	acagagatac	tacgaagagg	aatcggttaag	tgcccgcctgc	480
tctcaattta	cgagtttacg	agcttacggg	tga			513

<210> 12718

<211> 225

<212> DNA

<213> A.fumigatus

<400> 12718

aattgtctgg	tcggcgttgc	aatcatgttt	gttgataaga	tcaacgtcac	cggcgaccct	60
cgggtccagt	tccgtcaagc	aaggggtcaat	ggcaagcaat	acgggtatgca	tcttgtcact	120
tcagcacgtt	tgccacgttt	ttctggcagg	cgaccgggaac	tcttgcgttg	tcggacggat	180
tatgctggag	gcaccatcgc	aatcatatc	ttgaccattt	actaa		225

<210> 12719

<211> 255

<212> DNA

<213> A.fumigatus

<400> 12719

gatgctccag	aggatatttc	gctatactct	cacaagcagt	gtgccgatga	catcaaggag	60
ttagcattac	aacttggcgc	cgacaagatc	atcgtaggag	gacatgactg	gtacgtccct	120
cctggcttca	atttttacat	tctgagagtg	cctgtgactg	actatatattt	acaggggcgc	180
tgcatttgcg	taccgagttg	ccctctggta	tccagacctc	gttactcatc	tgttcacggg	240
ctgcgtaccg	tatag					255

<210> 12720

<211> 420

<212> DNA

<213> A.fumigatus

<400> 12720

cccttctttt cattgcagta ttacaagccc tggcaattgc ggcccgagga tgaggactta	60
atatgccgcc agattgagga agcagaagct accatctccc gagagcgcgc tgaattcgaa	120
gcacgtcatc ctcctcagga ggaaagttag tcaaaggaag aaacagagtt ccaaactggt	180
aatcaacaag aagctccgca gcccgcgccc gatgtccaac agcccaaaga tacgaccgag	240
gaaagctcag accaggcgaa cgctgggacg aaagaaagcc aaaataatga agcttctgtg	300
cccgcactg tcgacgacat cccggcgctca gtcaatcaca ccggttcaga tgaccatcgg	360
gcagctgatg acgatggggg agaggtggtc gaggacaatg aggatacggg aatttattaa	420

<210> 12721

<211> 363

<212> DNA

<213> A.fumigatus

<400> 12721

atcgctaata ggactacagt taactggtac cggacgagag aagtgaacca caaagaagaa	60
ctagccatcc ttgacaggcg catcaccgcc ccagtcctct tcatccaagc actcagagat	120
gccgctcttc cggcacacct gggcaagggt atgacaaaga ccatccctca tttgacctac	180
aaacaggtca atactttctca ctgggctttg tgggagaaac ctaaggaggt gaatgagatg	240
atcgcttggt ggctggaaga agtgggttca ctgatcctcg tttgttcaag ttgtgaaggt	300
tgcataaaaa ttgcttttta caccgattgta tgtgatagta tatgtgtgat acttcgaaac	360
taa	363

<210> 12722

<211> 186

<212> DNA

<213> A.fumigatus

<400> 12722

cccgcagccc catatcgatc agcatgggga tttgataccg ccattccatc gacaggtctg	60
ggaagccatg gagctaagaa agagtcagtt actcgcccg agcatgtggg tgagctagag	120
ctgactgaca aggaagatgg tggctctgta cgtgcctgtt ttcggttcgc tataaaggta	180
acctga	186

<210> 12723

<211> 195

<212> DNA

<213> A.fumigatus

<400> 12723

tttgagctgc acgttgagag cataactaact atctgcagta cgctgaagac tggtttggtg	60
gccaagcca tcaaggcggg caaaacggtt gatgagaaga cgcttcaaca cttttacgag	120
actgaaaaag tttctgcaat tgagactgtc ggtctttctg atgccaaaac cccacatagc	180
agccgcaccc cctag	195

<210> 12724

<211> 969

<212> DNA

<213> A.fumigatus

<400> 12724

tcagtgaaga atccaagtgg tggcggcaac caaaccaaca cacaacgaca gcaacaagca	60
cagaagccca cgctatctct ctttggggaat caaatgccg cgccccaact gtcgacacaa	120
caaacagcca caagcggaac agtgggtgcc ggggtcaagg tagatctcag taatctcttg	180
ccgacgacaa agtacgagag ttgcgcccgc gaaatcagat cagagttgga gaaattcgac	240

aactacgtcc	tgcttcaa	taagctat	aacgaggt	ccaacatg	tctacaat	300
gctagccagg	ccgagacat	tccaaatg	gtggatttc	tccaaggca	actggaaacc	360
attgagcatg	cgctggaga	cgacgccc	gatattgat	aactacgc	cctcgtgt	420
cgcgatgcag	ctgaggcaca	ggtggcgt	cgtgctat	atacattaa	attaccctg	480
caatatcaat	ctgcagggg	cgcggggt	tggtcagccc	aggatcaaaa	gggatccgat	540
cgccaggcgt	tgcgatccac	acgcaaga	actctcgct	ttccagatga	tgtcgagact	600
gacgcctcgt	ctgccacttc	catcaatgg	gtgccagtaa	accttgtcga	ctatttctct	660
cagcgctctg	acgagatgg	tacggttct	gaacgatata	ctcgcaatct	gaaggagatt	720
gaagaccacc	ttcatggat	cgagctttc	ctgaaccgcc	agattcaaga	atttggtgct	780
tcacgaagtc	gagatggag	gaccgctga	acccagaaat	cgaagctcaa	tgatcttgca	840
gcggtccttg	gagatgtgga	aaacgggtata	cttggcggtg	ctagtaggct	cggtgcggtc	900
acggaacagg	tgctggaagt	ggtattgggt	ccgccgtcgg	gagatgggat	gcttaattat	960
aaaccttga						969

<210> 12725

<211> 525

<212> DNA

<213> A.fumigatus

<400> 12725

actgaagagt	acactatggc	accggttgct	gaggaaccag	cggctacgcc	ttaccttga	60
cactttactg	ttcccaagaa	ggagcctgca	gagcacaaca	aattctggta	cgagccaggg	120
cgcgagacag	tcaagagaca	tgacgactac	ccttacgagg	accttctacc	ctcgtttcct	180
gatgttcggt	gggaacctat	aggggaggtt	ccatacgaag	acaaagggct	tcgtggagac	240
ccaaaattcc	gtcacttgct	ccaagatgca	actgacgtct	tcgactacac	tccgcgaatt	300
ggaacggaaa	tacatggagt	caatttgccc	aggcttaatg	atgccagag	ggatgacctt	360
gcacgcctga	tcgccgtccg	tggcggtgta	ttttccgca	atcagaagga	ttttgatatt	420
gacgctcaac	gggaattggg	gaaatatttc	gggactttgc	ataaggtgag	tcttaactcc	480
cccagatcgt	cgtcaggctg	tgattgggtct	ctaacagtgg	tgtag		525

<210> 12726

<211> 678

<212> DNA

<213> A.fumigatus

<400> 12726

catgccacta	ctgctgtacc	aaaaaagaag	gggttggaag	acgtgcatgt	tgtttatact	60
ggggacaact	cttccgacca	gcgagcgctg	ttttcccta	gcttccatg	gcattctgac	120
gtaacatacg	agattcagcc	accatcctat	acatcattga	aagtcttgac	gggtcctcct	180
cgaggcggcg	gtggtgacac	tctctggctg	tcccaatacg	cggcgtagca	cgctctctca	240
tcgcacatgc	agaactacct	gaaggcgctt	actgctcttc	atacagccaa	catgcaggca	300
tcagactcac	gagctcttgg	tcgaaccgtt	cgtcgtgagc	cgatcaccac	agagcaccct	360
ttgattcgca	cgaatccagt	tactggctgg	aacagtctgt	tcttcaatcc	tggttcgta	420
accaagattg	tgggaatccc	gaaaacagag	agcgacgcca	tcataaggta	ccttaccgag	480
gttggttgcca	ccacgcaaga	ggcgacgctt	cgtttccaat	ggggtgagaa	tgatgtggcc	540
ctgtgggaca	atagaacaac	agtgagtgc	gcacagatat	tccccatgat	tcctcctgac	600
tttctagtag	aatcactccg	cttcttatgg	cttttctcct	caccgtcgtc	atgccgttcg	660
agtcgcttgc	cacgctga					678

<210> 12727

<211> 198

<212> DNA

<213> A.fumigatus

<400> 12727

gcatgccgtt	caagggttat	aattaagcat	accatctccc	gacggcggac	ccaataccac	60
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ttccagcacc	tggtccgtga	ccgcaccgag	cctactagca	acgccaagta	taccgttttc	120
cacatctcca	aggaccgctg	caagatcatt	gagcttcgat	ttctgggttc	cagcggtcgc	180
tccatctcga	cttcgtga					198

<210> 12728
 <211> 441
 <212> DNA
 <213> A.fumigatus

<400> 12728						
ccactccttc	agtcgggcgc	tacacacctt	gttgccggtg	gcgagcccta	caagaacgtc	60
aaggacggca	aaggcttttt	catcgaccg	accatcttca	ccaacgtcaa	ggacgacatg	120
cggatctacc	gcgaagaggt	tttcggccca	tttgtcgtga	tctcaagctt	caagaccgag	180
gaggaggcca	tactcgggc	caacgacacg	acctacgggc	tgggtgcagc	tgtcttcacc	240
aaggatattg	agcgggcgca	ccgcgtggct	tgggagatcg	aagccggcat	ggtctggatc	300
aatagcagca	atgacagcga	cttcctgtgc	ccctttgggtg	gcgtgaagca	gagcgggtatt	360
ggtcgggaac	tgggcgaggc	gggtctcgag	gcatacacgc	agatcaaggc	cgttcacgtc	420
aatttgggaa	ccaagctgta	g				441

<210> 12729
 <211> 234
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (105)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12729						
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ccgaacgggt	tcaaagtacg	ggtgcccgga	tgcttagctc	tcatntacgg	taagattcag	120
aaatataata	gggagaacaa	atatcaggga	gcaggattta	caaaacatgc	atttattctc	180
atgtgtggtg	cttcgaagct	ggtgggcttg	aactttacgg	ggcttttgct	gtga	234

<210> 12730
 <211> 1233
 <212> DNA
 <213> A.fumigatus

<400> 12730						
gcaaggatgt	ctaagggtga	tatggtaaac	tcttggtatg	ctaggaaata	cgcgccagcg	60
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aatccttttcg	atggggctga	taaaatgcga	ctatattccc	aggaccaggg	cgatctcaat	180
tttcttttct	tgtctacaac	acttttccac	cctttccagg	caattcataat	gtctcatgcg	240
atggaggatg	acgctctgca	tcagctacaa	caagaacagt	ccaagctcct	ggataagatc	300
gatgaactgc	gcaccattgg	cgtcggcggc	ctcgtggaac	tgcctcagct	gattgtttgc	360
ggcaaccagt	caagcgggaa	aagctctgtc	ctcgaagcca	tttctcgcgt	cgggtttccg	420
gcgaaaagta	atgtctgtac	acggttcggc	actgaggtga	tcttgcgacg	gaatgcggcc	480
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cggcgactgc	ggagttttac	ttatgaggac	ttctcgaatg	gcgatgacct	gcccccttg	600
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gacgtgctca	aggctcgagat	ttcaggaccg	gacaaaccgg	agctgactct	tgttgatttg	720
cccggcctgt	attactctac	tagccaggag	caggacttac	aggggattct	gataatccgc	780
aagctgacgg	agagatacat	gagcaatcca	aggagcatca	ttctcgtctg	gatcagcgcc	840
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gagcgcacgc	ttggaatcat	tactcaaccc	gatactctgg	aggcgaattc	tgaagaggaa	960
gatacttata	tgcactttgt	caagaatgaa	aagattcccc	tggagctggg	atggcatgtc	1020
ttgcgcaatc	ggtcggttga	gaccagggat	atctcagacg	acgcccgcga	cgagatggag	1080
aaggcggttct	tcaaccaggg	acgatgggca	tcgctctccc	gggaatgcgt	cggcacgcga	1140
agcctacgcc	gccgccttag	cggtgtactg	ctcaagctca	tccgtcggaa	tcttcccagg	1200
gctaatacaca	gagatccaag	acaagggtgc	tga			1233

<210> 12731

<211> 360

<212> DNA

<213> A.fumigatus

<400> 12731

ggaggggttac	ttcatccccc	gcgttatgac	accttcttcg	attcgtgcac	caatgggcag	60
gggaagggtca	atcccaactt	gtacgaagac	ggccgaatct	gtcttagcat	attgggtacc	120
tggccaacaa	agagcccggg	ggaaagctgg	tcgcccgtca	agtccactgc	cttgacagatc	180
ctggtctcca	tcattgggct	tgtgctggtc	aaaaatccat	tctacagtaa	gtatatcctc	240
gaactactag	acgttctaaa	tcacttagtt	atctcacaga	cgaggccggc	tatgacgccc	300
ttgctgtggg	cgacaatcgt	cgcgtcgagt	cctcacata	tacagaaaag	gcattcttga	360

<210> 12732

<211> 294

<212> DNA

<213> A.fumigatus

<400> 12732

cgggcttttcg	caagcgtgcc	ccgaagaaga	agaaggctga	cgaggaagag	gtatccactc	60
cgtaaagccc	attttacgct	catcgctaag	ctatcacagg	cggaatctgc	atccgagaag	120
gaggaaatga	cccctaaatc	gaagaaaagg	ggccgtgctc	agacgaagga	cgagcccag	180
gagaaagcta	ccacacccaa	gaccaaaaaga	gtcaagaagg	gcagccgcat	caaacaaaag	240
agcgacaccg	aggacgacgt	gtcttcacca	cggggctgga	aggagccgcg	ccac	294

<210> 12733

<211> 258

<212> DNA

<213> A.fumigatus

<400> 12733

cacgcaacca	ggggatgtgt	tacgcccgaag	atcatcgcaa	acctcaacga	agcagttgag	60
gaagcgagcg	gtgactcaaa	ggatctggac	gccattgacg	gctttgagga	gcttccttct	120
gagtatcagg	aaaagggtccg	taaggctctg	gagcagggac	atggtgacga	tgaggattgg	180
aagggggtag	gttttgctcc	ttttgctccc	aatctatata	ggtttcaaga	tgagactaac	240
accggttttag	gatacctga					258

<210> 12734

<211> 447

<212> DNA

<213> A.fumigatus

<400> 12734

gtatatcctc	gaactactag	acgttctaaa	tcacttagtt	atctcacaga	cgaggccggc	60
tatgacgccc	ttgctgtggg	cgacaatcgt	cgcgtcgagt	cctcacata	tacagaaaag	120
gcattcttga	tgacacggaa	cttcatcaag	cacgcacttc	atcatccagt	cgtctggctta	180
gaagacgttt	tgacttggaa	ctatatcaaa	tcggagcaga	aagacgatgc	ttctagtcgg	240
cccaatctac	tacgcgcgcg	tattgactcg	gccgtcggaa	tgattgacca	tcacaataac	300
acctctgcta	ccgacaagct	tgacgaggag	agcgcagcag	ctccatttgt	ttcccgtctt	360

agccttggag ccgtagtaat gctgaggaag catgtcaccg acctagggaa tattgaatcg 420
acgatcattg ccaacaattc ttcttaa 447

<210> 12735
<211> 597
<212> DNA
<213> A.fumigatus

<400> 12735
gggcattcga taagcatgtc gacatgcaaa gccgttgccc aaagatggcc ccgatatctc 60
caccgccaca tcccatctgt cgcacctagt ccttcaatcc ggccagcgct tcgacgctgt 120
cgcatgagca agcagccgtc cctcctccgt tcgtacgcct cgatctccgc tgcggatctt 180
aaattcgggc aacctcttca cgagacgcat cctcatttat tgaatcctgg agaattgtgtg 240
tatatgctcc ccattgcatg tgaatgtgac acaacaaaga atgagaggat taacctgaaa 300
ctagtgaactc ctggtatcac ggctctcgaa tacgctcaac gtcgctcccg gcttgcgaa 360
aagcttccta agaattgcaat tgcagtgtta gctgcctcgg aggttactta ccgcgctact 420
ggcatcttca acaactatcg ccaggattcc aacttctttt acctaccgg tatgctttca 480
ttacaagtcg aaaataaagc aagcagctca ctcgatattt tgtcaatagg cttcaatgaa 540
cccaatgcgc tagctatcat cggttaagacc ggtctaccag ttaagcgact aagatag 597

<210> 12736
<211> 276
<212> DNA
<213> A.fumigatus

<400> 12736
atgttcatga ttgttccgga tatagtcgaa gtcagaatct caaagcaggc cagtgcattca 60
ccatcgaaac gtaagtattc ttccagctctc actttcggca catttctaat tcgccttccc 120
agtggaaat atgttccgga cagtgaagaa tggccagagc agttccgagg catcgggatc 180
cgtatcgaa acagtgtttg cgttggggat gataacccga ttgtcttaac cacagaggca 240
gtgaaagagg tgagttctaa ttcaattcac ttttga 276

<210> 12737
<211> 420
<212> DNA
<213> A.fumigatus

<400> 12737
ctattcgagc agacgggtga cattgggtgc atcggggata ttctcccaac gatcctttcg 60
ggggccacag agatctacac agatatecct gcctttaacc ccgggagatc ctcccttgc 120
catttctctat acggccccac caatgcatcc gagaagctga agaagatggc cgactatcac 180
aaagtcaagc ccttgcgtaa catcttaaac gagatgcgag tgttcaaaag tgaggatgag 240
gtcgtccaat tacgcagagt tgggcaggcg tcggggcgag cctttacaga aacctatgag 300
cagaccttta caaaagagaa gaacctgaat tccttcctgg agtacaattt caaagtgaac 360
gggtgtgatg gaagtgcctt tgtcccggtg gttgcaggcg gctccgtgag tacctcgtaa 420

<210> 12738
<211> 429
<212> DNA
<213> A.fumigatus

<400> 12738
aggaatggtg acatggttct tgttgacggg ggccgggtcc gtactttctc tatcctggga 60
actgactgtg acactaacag gctgcaggaa tggggcacgt acatatccga tatcactcga 120
acttggccag ttaatggcaa gttctccgac cctcagcgcg acctatacaa tgcagtgttg 180
aatgtgcacc gcagttgcgt ctcaactctg agagagagcg ccggactttc attggacaaa 240

ttgcacagta ttgctgagaa tgggtctaaag gaccagttgc agcaactcgg atttgatggt	300
tcaggcagcg taagtcgact tgatgtcaag gtgcccattc gtcaagctga tccatgtttg	360
cctcgaacag gcaatgggca tccttttccc tcatcatctg ggacactaca ttgggttaga	420
tgttcatga	429

<210> 12739

<211> 198

<212> DNA

<213> A.fumigatus

<400> 12739

ctgttcattg tttgtttggt ttcacgggtg accctactac agtattcaca tcaacgtctt	60
togtccgtgg atgcagcatc tcaagtcaat ctgtactgta caatcacgta tgaatgggta	120
tctatgtgct acagcagggt cttttatcta gtcccggaagc gcctcgatat catcaaccta	180
ttcaacatcc tatattag	198

<210> 12740

<211> 246

<212> DNA

<213> A.fumigatus

<400> 12740

ctataccgaa ttgggtcatca ccaactgcat ctagatggct tgacttattt ctgtctcgga	60
ttcactaatt acctgaagac ctacttgatg tttctcatag atttgatgta ttacacagta	120
aggtacagat gctgcagaag attaaactctt ggggtttccgg gttggatagg gattgtctgg	180
acattgcatg attcaaagggt ctgcttcaag ttcggcacta ttattgtatt gttgatattg	240
tggttaa	246

<210> 12741

<211> 288

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (67), (72)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12741

cgaccacga ccatagacca catacctttc gtgaaagccc ttaatctaga agccctgggg	60
agcaacntgg tntgcattgc ccagtacacc ggcattcacc gcatcggcga cgtgctcgac	120
gtccacgccg tccttgagca catcggtggc aacgcggttg gcaacgttgt tgcccttgat	180
ggggacgtcg acgttgacgg ggattttggt attctcaacg ttgacgcgg caagaccgtt	240
gtgattagat tggcgacctg gttcgttagt tgggtgggta ctctgtag	288

<210> 12742

<211> 465

<212> DNA

<213> A.fumigatus

<400> 12742

tcatcaaatg tctctttctt caagggtcaag cagttggccc aaccatatga gtcgtctgga	60
ggtcaccggg attgttgac tgtgactatt aacgagtggt cctgttcaaa gggagaagat	120
cgagtaaa tgcctcgac cacgctctc tcgacatcaa aaatgaactg cagaagccaa	180
gtcaactggg gccaaactgaa gaaaatgctg gagtaccac ttggccacgc gtacattagg	240
tcgattaatg atggatcgct gcgaggcaga catagtggcg gtatttgccg caccatcata	300

cagcctgctc	ctcctacccc	aatcttccaa	tcttctaaag	cggtcaagtc	taccatctcg	360
ttctacctac	taaataggga	acttggtatt	gaggtaaagt	gcctactcct	tgtgatttgt	420
ttctggtatt	tggtatttcc	tacttactat	cttgtgcttc	tatca		465

<210> 12743

<211> 786

<212> DNA

<213> A.fumigatus

<400> 12743

tggtcaattc	tccttttggg	cggtcgctg	gccgccattg	acgtccctcg	tcaaccatat	60
gcccctactg	gaagcggcaa	gaaacgactg	accttcaacg	agacggtcgt	caagcgagcc	120
atttccccct	cggccatctc	ggtcgagtgg	atttctacct	ccgaggatgg	ggattatgtc	180
taccaagacc	aggacggcag	tctgaaaatc	cagagcatcg	tcaccaacca	cacgcagacc	240
ctcgccctcg	cggacaaaagt	gccagaggat	gcctacagct	actggatcca	tcccaatctc	300
tcctccgtgc	tctgggctac	caactacacc	aagcaatacc	ggcactcgta	ctttgccgac	360
tactttatcc	aggacgtgca	gtcgatgaaa	ttgcgaccgc	tcgccccaga	ccagtcgggc	420
gacatccagt	acgctcagtg	gagtcaccac	ggcgacgcca	tcgcctttgt	ccgcggcaac	480
aacgtcttcg	tctggaccaa	tgccctcgact	agccagatta	ccaatgacgg	cgggccggat	540
ctcttcaatg	gcgtcccggg	ctggatctac	gaggaggaga	tcctcggcga	ccggtttgcg	600
ctctggttct	cgccggacgg	ggcgtaacct	gccttctctg	ggttcaatga	gaccggtgtc	660
ccaaccttca	ccgtgccgta	ctacatggac	aacgaggaga	ttgcgccgcc	gtacccacgc	720
gagctggagc	tgcggtatcc	caaggctcgt	cttcaccacg	gggagcgag	caccgcgcac	780
aggata						786

<210> 12744

<211> 390

<212> DNA

<213> A.fumigatus

<400> 12744

acaatcgagc	ctgggtcccat	catcatcatc	atcatcatca	acgcagtttc	tcacctcaac	60
acggccttct	catctctcaa	gctcaactgt	cagactccaa	ccaactccaa	aatgcagttc	120
tctactatcc	tctccctcct	cgccgttgct	ggcatgacca	tggtgcccc	ttctgtcgcg	180
cgtacgtctc	ccaaccccta	cagagtaacc	acccaactaa	cgaaccaggt	cgccaatcta	240
atcacaacgg	tcttgccggc	gtcaacggtg	agaataacaa	aatccccgtc	aacgtcgacg	300
tccccatcaa	gggcaacaac	gttgccaacg	gcgttgccaa	cgatgtgctc	aaggacggcg	360
tggacgtcga	gcacgtcgcc	gatgcgggtg				390

<210> 12745

<211> 768

<212> DNA

<213> A.fumigatus

<400> 12745

agtgcggtta	cggactacgg	tagcagagta	catcaccaat	tgctacgaca	gagtacaggc	60
aatgggtccg	ccccagccat	ggctgcccgc	gcccattgatt	ctctcgaccg	cgaggacgct	120
ccgtttctcg	cttcttctgc	agaaagcagc	gcctcgagca	gtcggatcgg	ggaccaggac	180
gatgaagcgg	aacttaagca	tgtctacaac	gacaatgagg	ccgaagacga	cggcctcgac	240
aaccgcaagg	gaaccaaagc	aattgagaaa	atccgcttcc	gcttcatggt	tacctctttt	300
gccatgatcc	tcgcgttcga	ggtcggcatc	gtgatggcca	atgggcccac	gacgcgcac	360
tacgagtcta	ttgcctgccg	gcagtactac	gccgagtatg	acccgcgtca	gatcgcggcc	420
gacgggcagg	tcgctgaatc	gatgtgcaag	attaaagagg	tcgagacgga	gctggcggcc	480
gtgaaggggt	acatggagtt	cttcgacggg	gtgttgagtg	cgtttctagc	gattccgtac	540
ggtctgctgg	cggaccggat	cgggaggaag	ccgattatct	gtttgagtat	tccggcgttt	600
gcgctgaatt	cggggatcat	gcttgcggtt	atgtggtatt	cggatatctt	tccgctcagg	660

gcgggtttggg cgtcttgtct cgcttggttg ttgggtggtg gcccggttgt tgccttcgcg 720
attatctgga cgatgatgtc ggatgtcacg gcggaggacg aaaggtag 768

<210> 12746
<211> 270
<212> DNA
<213> A.fumigatus

<400> 12746
ggaacgttac gcgcttttca gagtggacgg atcagctacg tctttaaatg gagtgggcca 60
tctctcacc c tggatacggc ttgttcctcg tccgatggtg ccattcatca agcagcacga 120
gcgctccagg ctggggactg ccggtcagca ttggttgggg gggtaaacgt catcaccagt 180
cctgatgtga gcgaatcttt ccacaagcat gatgctgtcc aagcaatgga gccacatttt 240
tacaagcatt acgagctgac agcgcttag 270

<210> 12747
<211> 303
<212> DNA
<213> A.fumigatus

<400> 12747
atgtatcttg gtctcgatcg agcacatttt ctaagcccta caggccaatg caagccattt 60
gatgatacag cagatggcta ctgccggtct gaaggctgcg cggctttcgt gatcaagaaa 120
cttggtgatg cgatatcgga aggtgaccga atactcggcg ttattcgagg catcgagatc 180
aatcaaagcg gaaatgcgca ttccatcacg catcctcatt caccaacaca ggaagactta 240
tttcgaacgt tgctaaagaa aacacggatc catcccatg aggtgctgca tccaagcggg 300
taa 303

<210> 12748
<211> 789
<212> DNA
<213> A.fumigatus

<400> 12748
cagattactg tgggtggaac acatggcacc ggcacacaag ccggtgaccc aaatgagctt 60
gtcagtatcc gcggggcatt ttgcaaggtt cgagatccag cgaatcttct ccattttacc 120
tctatcaaag cgaacatcgg ccaactgcga gccgcttcg gcggtgcagc gttggcgaaa 180
ttactttctga tgatgagaca tggccaaatc cccccgcaga tatctctcca gacactcaac 240
cacaagatca aagacctcgg cacggacgga tccgtcatag atcgggacgg tgctacttgg 300
cctcgacctt cgagacaccc gcggttgcct ctacttaaca actttggtgc ggcgggctcc 360
aacggtgcct tgatcctgca agaattatcc cgtctcaacg ctccccctca agacgaggag 420
cagcgtgagg ctcccagcta tatacttggg ctctcggcca gaagcagctc aagactcctt 480
gcctataaag atgcgttgat ctcttatctg gagggccctt cgatacggag ttctcttcgt 540
gatgtcgctt ataccagcac ggctcgccgc cagatcttcg attatcgcat ctctgttacc 600
ggttccacca tacaggaaat agtcgacaac ttgaggaacg cagaaattta caacattcgc 660
gagtcggcaa acccacagcc acgtgcggta ttcgcattct ctggtcaagg atcacagggtg 720
aagctccatc gctgtacatc aggattcaca aatctatcag aaattgtagt acctacgaat 780
gggccgtga 789

<210> 12749
<211> 429
<212> DNA
<213> A.fumigatus

<400> 12749
attccgtcgt caaggttcca tctcgaagac ttttatcaga agaaagatgg tctgactcta 60

cgaacaaagt	acgggaactt	cctggaaaac	ccattcatgt	tcgacaacga	actgtttggt	120
atttcccgtc	gggaagccca	ttcaatggat	ccacaacagc	gagtgatgct	ccaaactgcc	180
tatcgagcgc	tcgaagatgc	cggatatgtg	cctgattcaa	ccccgtcgtt	ctcccgggag	240
acgtttggct	gttttatcgg	aaacgctacg	ttggactaca	ccgacaacct	tagagacaac	300
attgatgtct	actacagccc	aggtaaataca	tgtcatgctt	ggctccgac	gagactatgg	360
catgctaata	atctctcggg	aaggaacggt	acgcgctttt	cagagtggac	ggatcagcta	420
cgtctttaa						429

<210> 12750

<211> 189

<212> DNA

<213> A.fumigatus

<400> 12750

atgaggatgc	gtgatggaat	gogcatttcc	gctttgattg	atctcgatgc	ctcgaataac	60
gccgagtatt	cggtcacctt	ccgatatcgc	atcaccaagt	ttcttgatca	cgaaagccgc	120
gcagccttca	gaccggcagt	agccatctgc	tgtatcatca	aatggcttgc	attggcctgt	180
agggcttag						189

<210> 12751

<211> 432

<212> DNA

<213> A.fumigatus

<400> 12751

ctgggtggcta	atttaccggc	tgcagttatg	aaattcttcc	ctcgccagct	gtggaagacg	60
attcagccga	acttcaaacc	ctcggtcgca	atggatggat	acgtgccaca	tggccctcgc	120
atcggagtga	aaaggggatt	tgaggatgag	gaagaagaac	atgacatcga	ggagaccaag	180
cgtagaaggg	gcatcgatga	agatgaggat	gctgagcggg	atgagcgaga	agagcgggaa	240
gaagacgtgg	atgtcttgga	cccggatgag	gatcaggagg	aagagatcgt	tgacgacgac	300
tttgaggacg	atgaagatga	aatgggcggg	gactacaatg	cggaaacagta	ctttgatgct	360
ggcgacgacg	aatacggaga	tgacggattc	gcagacggcg	gaggcggagg	tggagatgaa	420
gacacctact	ga					432

<210> 12752

<211> 204

<212> DNA

<213> A.fumigatus

<400> 12752

accttactta	caattctgcc	gcagaagatg	ctcaggtcgt	ttacctttac	gatattttgtt	60
gtgtcgacta	cgggccaggg	tgagatccct	gcgaatgcga	ggtcgttttg	gaggtcgttg	120
cttttgaaga	agctgccgcc	tactttcctg	agcggggtca	attatgtttc	gtttggattg	180
ggcgatagtt	catatcccaa	gtga				204

<210> 12753

<211> 321

<212> DNA

<213> A.fumigatus

<400> 12753

ggcctactgt	tgctcacatc	atgcgcgcag	agatataacg	ttccccgcgc	gagacctctg	60
aaccctcgcg	aacagaaaca	ggtcgatctc	taccgtgctc	tgcgggatcg	cttccacgac	120
ggctccctact	actccgtcct	ccaatcgacc	tcggtcacgg	caagaaaaga	tgaggctgct	180
cgcgcacact	ttgacctttt	tcacggaatg	cctacgtatt	cgggcaagta	ccagaagcca	240
gaaagcggga	tcggccccga	gtttgaaagg	acgtccgtac	gggtaagtgt	ggtgctagcg	300

gggtatatgg gttggggata a

321

<210> 12754

<211> 1263

<212> DNA

<213> A.fumigatus

<400> 12754

tcctctaccg	gcggtgagga	cactcgggag	atgataacca	aggttattgc	acaagtcact	60
gagatctggt	tccagtgggc	tagtttgcca	gctgcggcag	cagagcataa	agtcctctct	120
ttcttaccct	atctccagca	tgaacctcct	acacatctgc	agactggaaa	gaccaccact	180
caacgcgatg	gtgtggctca	aagtctgcag	tccgccgatc	tcagccagca	aagcgaagta	240
tcagcccatt	ccaccgacga	tccgtacgga	ccaagacgat	ggcgctccag	catggttgag	300
ttgagcggta	aggacagggc	tctaaatgag	ttctccgtgg	agagagttgg	tgaggaagtg	360
gaccaacatt	tagtcatgct	tcacggatat	ggtgcggggc	tgggcttctt	ctacaagaat	420
ttcgaacctc	tgagccggct	aaaagggtgg	cagctgcacg	cgtagacat	gttgggcatg	480
ggccgcagca	cccgaacct	gttcgcgcatc	aaggctaaga	accgagagga	tgctatcaag	540
gaggcggaag	attggttcgt	tgatgcattg	gaggaatggc	gcgtgaagcg	caagatcgaa	600
cgcttcacgc	tgcttgccca	cagcatggga	gggtatatgg	gagtcgctta	cgcttgaaa	660
taccagggcc	gtttgaacaa	gctgacctt	gcctctccgg	tggggatccc	cgaagatcct	720
tatgctgtct	ctgcggatat	gccgaacca	tccgagtcca	ccttagccca	ggagttcacc	780
caggatcagc	aaactatcgc	acagtcatcg	ttgtctgtcc	ccccggaagt	tgcccagaaa	840
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cgggcccgcc	gcagcattcc	caaattggtt	gcctacctgt	gggaagccaa	catctctccc	960
ttcagtctgg	tccggtgggc	gggccctctc	ggggcccgca	tcgtatctgg	ctggacctct	1020
cggcgattct	cccatattacc	cgccaacgaa	gcgaaagctc	tacacgacta	ctcctattcc	1080
atttttagtc	aacgcggtag	tggagagtat	gctcttgcac	atatacctagc	tccgggagct	1140
ttcgcgcgta	gccctctgat	tcggcgcata	cagaacgtcg	gacggcagat	cattccgcct	1200
tccaaccccc	agtggggagc	ctgcgaacgt	cacggacccc	tctccctcgc	aaccgccttc	1260
tga						1263

<210> 12755

<211> 420

<212> DNA

<213> A.fumigatus

<400> 12755

ttcggcgcac	acagaacgtc	ggacggcaga	tcattccgcc	ttccaacccc	cagtggggag	60
cctgcgaacg	tcacggaccc	ctctccctcg	caaccgcctt	ctgactcggc	aactcaggct	120
tcttcagccc	caggtgaagcg	cgagaccggt	ataccatttg	ttttcatgta	tggagaccac	180
gactggatgg	atgcggcggg	aggcttcgca	gccaaggcca	agatcgaaga	ggagaaacgg	240
cgggtgctcc	agaatgcttc	accagaagag	cgtgaggcgg	ataatggctc	agctaagggtg	300
gtaattatca	aggggtcggg	tcacatata	taccttgatg	gatgggagga	attcaacaag	360
gtggtattgg	aggaaatgga	agaggtgagc	caaagggaaa	gggctcggag	tcggacgtga	420

<210> 12756

<211> 783

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (365)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12756

aggggtttttt	ggttcttcct	caaggaaaac	aaagccccgg	gactttttaa	gttgtgggcg	60
gttgggcggt	gccccaccaa	tccgcaaggt	ccaaggccca	ttgtttccag	attcgcatg	120
ttccttggtc	aaaggccagg	tttaagcgac	gaggcagttg	agcggggcct	ggctttccca	180
tcaatgatcg	gcaaagagct	ccctcacca	gcctttccct	gttacggagc	caccccgaaa	240
cagcagacat	tttacccttg	gagacacagc	caggccgctt	cttgtagccc	cgatggccgc	300
aggcagcgcc	atcaccaccg	atcagcaacc	acgtccctga	tcccaagtca	tactcgccga	360
gctcntacat	ctccgtcagc	atctcgggtc	aacagggtcag	ccggctctgg	ggcccgcctc	420
cgaggcctct	ctccgcggcc	acgggtctcag	gacgcacgt	ctctttcaac	atattctgat	480
ttcttccatg	caatggccag	tgcgcgcgag	gctcattctc	aattgcacct	atccaattca	540
tccgaggtcc	cgggtggtta	ctttgctttt	cgcccgggca	atggagcgaa	tagcagcggg	600
agtgcagtct	caacaggcac	caccacgccg	gtcgaggatc	gatccagcac	aacgtcccgt	660
aatatgggaa	gattcatggc	ccattatcct	gcgggcgtga	gatatcgtag	acgaagtgt	720
tggggggcca	atcttggtac	gcaattaccc	aatgcttctt	tgagtatcga	ccgacccttt	780
tga						783

<210> 12757

<211> 288

<212> DNA

<213> A.fumigatus

<400> 12757

gggaccatth	cggtgcttg	tggatcccaa	ctccacagca	acgcacatg	cgatatagaa	60
agaaagatct	gcccagatca	gatgcgcatc	ggtctgctcg	tggccctga	acctgtgaat	120
aatatgatga	atcataacgg	cgacgtctgc	tgtatctgca	aaacaaagaa	aaccactttc	180
actccccatt	tccatcaccc	acatcgtcat	gcattatcca	tggcttctct	catcgcaaat	240
actggcacta	acatgtcttg	caactcaagc	agctcagata	caaaataa		288

<210> 12758

<211> 483

<212> DNA

<213> A.fumigatus

<400> 12758

tcgtccaaga	tgggcaagaa	aaataagaag	tccgccgagc	acaaggagcg	ggtagcagca	60
aagcaatcca	agaaggctgc	gcaaaaaggaa	aagaggcaca	aggcaaagg	tcgcgacgca	120
gatagtacg	cagaagatgt	cgatctggat	gcgacccctg	ctcaatatgc	tgaagagcaa	180
gctaaatttc	tgaaggctac	tgaggtagtc	tcaggaccgc	cgtctccacg	tagctctgct	240
acaataattg	cgtctccctc	aaaccggaat	gagctcctga	tatttggtgg	cgagcacttt	300
gatggcactc	ttgctacttt	cttcaataat	ctcttcgtct	acaacattga	tcgagatgag	360
tgggaaggaa	ttacgagtcc	caacagccct	ctacctcgaa	gcgggcatgc	atggtgccgt	420
ggaggaaatg	ccggagggtg	ctatttggtc	ggaggtagag	cctgtgcaag	tttccccgga	480
tga						483

<210> 12759

<211> 1383

<212> DNA

<213> A.fumigatus

<400> 12759

aagtggccac	agaatgacat	atttcaaggt	atgtatcaaa	atctattcac	atctagttaa	60
tatcacgctg	aggccatcca	gaactatatt	atcctcttcg	gaggctttca	ggatacttca	120
cagcaaacaa	agtacctcca	ggacctgtgg	atttacgact	gctcaaaatt	cacctgggtc	180
aaccttacac	tgccccagc	agctcaaaag	cctgatcctc	ggcatcgtt	ctcattcttg	240
ccacacgaat	ctggagctgt	actgtacggg	ggttactctc	gcgtgaaggc	gtccactggc	300
gtgggtggaa	agccacagaa	gggtgggtcct	cagcgcatga	ccatgaagcc	catgggtccat	360
caagacactt	ggtttctacg	aattacaccg	cctgacgctg	atgccctgc	gtccgcggct	420

```

cctacagtac gctgggaacg ccgcaagaag cccgcaaact cgcctaaccc gccacgtgcc 480
ggcgccacta tggccttacca caaaggacgg ggtatcatgt tcggcgggcgt ccatgacgtt 540
gaactcagtg aggagggtat cgacagcgaa ttctttgaca cgttgctggc atggaacact 600
gacaggaatc gtttcttccc tctgactctc cgccgtccaa gagcaactgg taagaagcag 660
caggccaacc aatgagatc tcgaaaccgg gcaaaggccg acgaagagga gcttctccaa 720
aatttgagag ctttagaagc aaaaggaggg ctccgcgatc tggacgatga tgacgagttt 780
cagcgaatct ctcacagaat ggaggacgca cctgctaagt cagagaagcc ctctattgta 840
cgttttgaga tgcctcacia gcgtttcaat gcacagctgg ccgtgcaaga cgataccctg 900
ttcatattcg gcggaacctt tgagaaaggt gaccgggagt tcactttcaa tgatatgtac 960
tctgttgatc tggtgaaact cgacgggtgtc aaggaaattt tttacaagga gcccgagaac 1020
tggcatcttc tcaacgaagc ggagagtgat gatgagatgg atgaggacga tgaagatgaa 1080
gatgaggagg aagaagacga tgacgaaaat gcaatgtccc tggactctgc ttctccagca 1140
cctactgagg tcacagtacc gtcagtcacc cagggaatgg agcagcttga aatggaagaa 1200
caggaagcag agccctctgt gcaggatagc cgacctctac cccgaccgtt tgagagcttg 1260
cgcgatttct ttagccgtac gtctgaggag tggcagaaga ttctgctaga taccttgaaa 1320
gagaagggca ttacggtgga gaagaatgtg aaggaaattac gtcttaacgc cgggtcgaga 1380
taa

```

<210> 12760

<211> 639

<212> DNA

<213> A.fumigatus

<400> 12760

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tatttggtgg cgagcacttt gatggcactc ttgctacttt cttcaataat ctcttcgtct 60
acaacattga tcgagatgag tgggaaggaag ttacgagtcc caacagccct ctacctcgaa 120
gcgggcatgc atggtgccgt ggaggaaatg ccggagggtgt ctatttgctc ggaggtgagc 180
cctgtgcaag tttccccgga tgaatccggt attaactgtt acttccaatg ctcagggtgaa 240
ttctcttcgc caaagcaggg gacgttctat cattacaatg acttttggca tctcgacct 300
gccaccagag aatggactcg tctcgaaacc aaaggcaaaag gccctccagc tagaagtggc 360
cacagaatga catatttcaa ggtatgtatc aaaatctatt cacatctagt gaatatcacg 420
ctgaggccat ccagaactat attatcctct tcggaggctt tcaggatact tcacagcaaa 480
caaagtacct ccaggacctg tggatttacg actgctcaaa attcacctgg ttcaacccta 540
cactgcccc agcagctcaa aagcctgatc ctcggtcatc gttctcattc ttgccacacg 600
aatctggagc tgtactgtac ggtggttact ctcgogtga 639

```

<210> 12761

<211> 186

<212> DNA

<213> A.fumigatus

<400> 12761

```

cgttcattgt tctttcttta cagcggtcgc aacaagaacg gccgcggcca cgtcaagccc 60
gtgcgctgct ccaactgcgc tcggtgact cctaaggaca aggcgatcaa gagattcacc 120
atccgcaaca tggttgagtc cgctgccatc cgtacgttcg agcccttgtc aatcctatac 180
cattga 186

```

<210> 12762

<211> 1221

<212> DNA

<213> A.fumigatus

<400> 12762

```

tcgctattga ctgacactcg attgcactcc cgcggtgacg actccggtct gtatttggcg 60
gcacctgggc cggtttcacg atgtgcctct ccggtttcac ctgagggttt acgggcacag 120
atgatccaaa cacttcttgc caaaagacct aagaatcaaa gcctacctcg ccgcgatggc 180

```

```

aggggaggga gctttccgta cttgcaccc tctcacgtcc ctcacccoga gacttttagtg 240
ttaaccgatg ttccgtctca tgttcctgaa ggctcccaca tccctgcctgc cttgattcga 300
tttataacag cctgttcgaa tgaggccctg ttagccactc tccctggcggg atcgggactac 360
tctctgcccc ctggaagagc ccgagctcac gctgagcagg aacgatcacg gtctcttttt 420
gctctgcgtc gcttgggtact tgaaatcact cccacgactc atctggccgg cgcagctcga 480
atcagcccggt ggaaatccat cagtcagcaa agtgggatgt caaggtccag taccggcgac 540
cgtgattccg agaatctgtg gtccgcagcc acaggcgact ttagtttctt cggggaagat 600
gaatgtggta taccgaaaa tgatccgggg aaatactttc ctatggcgat actcaatgag 660
aaggtgacac tcataccaga ggacgaagat tccgggcgtt cgggatctcc agaggtagat 720
gcgtctttcg catccaattc atttcagcct gctggagctt ttttccgacg gggccgatcg 780
cagactgact cgtcgatctc ggtatccggc tctgtagccg atgctcgacc gagttcgact 840
gcagtcaata aaggtgatgg aggccacatg ccagttgctg ataccaaaca ggtcgacctt 900
gtcgcagaat tggctgcctt ccgccgagcg aaaaagcttg agtatgaaga agtgggccga 960
gccgatcgag agaggcgaag tatgagcagt gctgcattct cccatctttc tctccagcg 1020
gaacctactc gaccagtgtc tcccagtcct agtgtaagaa ccatggctgc ggtctctgca 1080
cctcatctgt ccatagccca gttcgtcgaa ggacattgga aaggcgaagt aaagattgtc 1140
cgcaatgcag tgccaaaggg gcggactgga gtcgtcgata tgtatgggaa ttacttcgag 1200
aagggatatc tgtacccttg a 1221

```

<210> 12763

<211> 240

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (98), (133)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12763

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aggctactgt gggtgggggc aaagtcccca gtcaatatcg ctaaccctca ggcacgaagc 60
agaagcaccg cataccgaaa cgagggaaaa tcaacgtnc ctaaaagtaca actccctaaa 120
gatattacc atnccctcag atttgatagg acttctattg acattaagca acccgcccaa 180
gccatttacc taatttgggc cttgcttccg aggaagttca tcggcggaac gattcgataa 240

```

<210> 12764

<211> 999

<212> DNA

<213> A.fumigatus

<400> 12764

```

aggctcgtcc cttttcaata tgctaatttt cctgaccagc tggagcttgt ggggaatagg 60
gatctgatca cgtcgggtat cacctacttc gaccgcgggc agacaacaca atcaggcaat 120
gtctatggag cagatatatg tcacatactg gaccgatctg gcatagatac agataaaggc 180
caacacagaa gaaccgcaga gaaagcgtct tcgagagacc gatcccttcc taagtatgat 240
actggcgcct tacagcaggc tggactctcg ggaggagtca ccaagagtgc tctatttccc 300
gctgctgatt atctgtataa ctttgaattc ctctgcaca actccctccc ggagaccatc 360
gatacggaac taatatccac ccggtactac ctggaagctc agattgaacc gtctggacta 420
tttgctcga aggtgctttg tcagggtgat gtcccggtca ttcgactgcc agcagaaaac 480
tactggagc tgactgagcc gattatgttt gcccggaat ggcagagca gctcgcctac 540
gatgtttgca tcttcggaat atgttttctt cttggctcac agataccaat aagggtgaaa 600
ttgacccctt tggtaagct acaatgtcac cggctcaggg tatacgtgtc cgagcacgta 660
cagcatcaga caaagggcc aatagctcgg ttcctacagc tgcccacgaa gaaagtgtt 720
ctgtttgaaa agcagcctgg ctttgcaagt tacacctcct acccaggtag caccatgcga 780
atcatgacag acgagggcac aggaacacct cccggcatcc aaagcatgag tctgctaggg 840
gaagaattcg agacctcaga gatcaactta gaggtccagt tacctcgatg cggggaatg 900

```

aaaaccaag gaaaacacca atggattcac ttcagcacca aaggcggtag ctctgaggag 960
 agtcattgga tccaggtaag gaagatcaaa atccccgtaa 999

<210> 12765
 <211> 492
 <212> DNA
 <213> A.fumigatus

<400> 12765
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 atcctcgta acgctgcagg catctccatc tcgaacatcc tcgccaaact tgaaccagat 120
 gatctctcgc aagtccttcg gacaaatctc gagggcgcaa tgctagcctc gcgagctctc 180
 gtgcgcgcct ccacccgcag tcagatgaag attcgcaata cctccagcac atctgaagta 240
 cctctcccat caaaatgtat tatcaacatt tcttccctgc ttgctgttaa gggaggcacc 300
 ggcgcggtac cttatgcagc atccaaggct ggtatccttg ggctgacgcg ctcggtggca 360
 ggggaagctg cccaatccct ccgaggcgtt gtgattcgtt ccaacgcgat agtcccgggg 420
 tacatagaca cgccaatgat tgctggtgag tcgagctcta gtggagacgt gactggttgt 480
 gacgactctt ga 492

<210> 12766
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 12766
 tctaatactg atgatataac tacagatttc agtgcggggg aaacctccag actaaaggag 60
 agtattcctg ttcggagggt tggtaactcc catgaagttg ccgacgccgc tgtgttcctg 120
 gcgcagaatg agtacgcgaa taactgcgtc ctcaatctgg acggtgggtt gattgcatg 180
 taa 183

<210> 12767
 <211> 249
 <212> DNA
 <213> A.fumigatus

<400> 12767
 gttccatgca cacttctca tgatggctcc tttattgtca aggcctctca gcggatggtc 60
 gtggtctacc acacggactg gtggtcctcc cctcaaactc tcggacagat tagctggccg 120
 aacatgtatg attacaggcg gcacatctgg cattggattc gccattgcag aacgattcct 180
 ccaagaaggt gccaaagcgc tcactctcgt tggcagatct cacgaacggc ttgtcaaagc 240
 cgcttctag 249

<210> 12768
 <211> 639
 <212> DNA
 <213> A.fumigatus

<400> 12768
 cggaagaca atagcgactc agtcatgtac catacacata ttatgcgttc tcgctccgct 60
 ggcgcggcag tatcggcac atgggccaca ctaggccatc aagcacgtca agctaagact 120
 aagttccatg cacacttct catgatggct cctttattgt caaggcctct cagcggatgg 180
 tcgtggtcta ccacacggac tgggtggtcct cccctcaaat cttcggacag attagctggc 240
 cgaacatgta tgattacagg cggcacatct ggcattggat tcgccattgc agaacgattc 300
 ctccaagaag gtgccaaagc cgtcactctc gttggcagat ctacacgaac gcttgtcaaa 360
 gccgcttcta gattagaggc tcctacatct gggagtctgt tcgctgccgt ccaatcaagc 420
 aatgatagca tcgcttggga agtagcaatt aaagccccag aaacagacca acaatcgcaa 480

aacaaggata	cggaggcaaa	gtcacatggt	agactaatcg	actcctcgag	tagaatcagt	540
ctcctcatcg	gtgatata	atc	agaagccggg	acctggctgc	gcgaattgga	600
gtgagttctc	ccgccccagt	ctccgatgac	aatatctaa			639

<210> 12769

<211> 582

<212> DNA

<213> A.fumigatus

<400> 12769

aaaatgcaca	ctaagcagat	ctcgccccgc	ttatgtctca	ccgcctacaa	tacagccaat	60
cacatcactt	caattcccca	atcccattcc	gccgacgaca	tgcatgaaaa	ggcacaagaa	120
tcaccccgac	aagcccgtaa	ccagctcaac	cagctcctcc	cagcacagca	aacctcacat	180
cccttcggga	caacccatcc	tcttctcttc	aacctcaacc	agcaaaaaga	ggggaataaa	240
aaaagaatta	aatgcccac	ccccgaatcc	gccgcattcc	tggttaagaa	gcccaccgtg	300
ccgcccacat	acgaaggcgt	cgacttcgag	gacaacgtcg	ccctgcacaa	tgcccgcgac	360
gccatcatcc	gtgaacaatg	gggtgcgcagc	atgatgtccc	gacttgtcgg	cgaggaattg	420
ggcaagtgtt	atgctcgtga	gggtgtaaat	catctggaga	agtgtgggaa	gttgagaggt	480
gagttttcct	ccggggggttc	ctttgtctcc	gagcgctgtg	tggtgggtggc	atggctaattg	540
ggtgacgatt	gcaatctgca	gagaaatatt	ttgagctgct	ga		582

<210> 12770

<211> 951

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (75), (87), (192)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12770

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aagaaggcgc	ccganggagc	ttcgcancca	ccaaaccagc	ctccccctct	ctcgtcagaa	120
acacctcagc	ggaagatcac	attgaaaata	gcgcgcaaac	cacaaccgac	tgaaaaagaa	180
gagaacgccc	anaaaaaaaaa	ccctcccaaa	aagcgaccgg	cggaggggct	cgcaggtccc	240
tctgcaccag	aggcatccgc	gcagcccgcg	ggaccgaaac	gtatcaagct	caatgcttcc	300
aaaaagccag	gggtacagtc	gatccgaatc	aagaacaagg	gggtgggtccc	caacagacct	360
gtcggcggtg	gctacgactc	tgaagcctct	gatacggaac	tcgatcccta	catcgaggag	420
caattcattt	tgcgcatgct	tcctggcgaa	gactgcgaat	atttacgtca	agcgatcaac	480
gaacgacgat	tcgatcggtc	agaattctcc	ttcaagcccc	tcacgcgcga	gggcccgcgc	540
gccgtcctgc	ggatccgtga	taaacagtac	gcagcggcgc	tggtggactt	gccctgtatc	600
attgaaggca	tgaaaagtgt	ggatcggcgt	ggatggtata	agtctgcaga	tatctgtcag	660
atgcttttag	tcttagggcc	tgtttcgagc	gatgcagagg	ccctcaatta	ccctcttccc	720
tccgacgtcg	agatcctgga	tgaaaagact	ttgcagtatc	cacatgggtc	gacaccccct	780
ttgcgttacg	tgagaaagcg	gcggttcgcg	gaacggctca	gcacgcgaac	gatagaacaa	840
gtggagaagg	ctgtggagga	tctgattgcg	caagacgaag	ccgctattgc	atctcgctat	900
gagttgttgg	acaagacatc	attgaaccgg	gcggaaggac	ttgtccagag	t	951

<210> 12771

<211> 429

<212> DNA

<213> A.fumigatus

<400> 12771

cgaagatggg	cgaaagcctg	cctttaccgc	cctagaaaat	gcacactaag	cagatctcgc	60
------------	------------	------------	------------	------------	------------	----

cgcgcttatg	tctcaccgcc	tacaatacag	ccaatcacat	cacttcaatt	ccccaatccc	120
attccgcgca	cgacatgcat	gaaaaggcac	aagaatcacc	ccgacaagcc	cgtaaccagc	180
tcaaccagct	cctcccagca	cagcaaacct	cacatccctt	ccggacaacc	catcctcttc	240
ctctcaacct	caaccagcaa	aaagagggga	ataaaaaaag	aattaaaatg	cccccccccg	300
aatccgcgcg	attcctggct	aagaagccca	ccgtgccgcc	gacatacga	ggcgctcgact	360
tcgaggacaa	cgtcgccctg	cacaatgccc	gcgacgccat	catccgtgaa	caatgggtgc	420
gcagcatga						429

<210> 12772

<211> 510

<212> DNA

<213> A.fumigatus

<400> 12772

aaaggccccc	tttgcctctt	cctgaagctt	ctttctctcc	ctgagatgca	cttctcagcc	60
ccaacgcgcc	tttcgctgcc	cgcagccagg	caatcccctc	ccctatcttc	cccgaagct	120
ccgcatcaac	accgaaaaac	cgacaggccc	gagcccgccg	gacacggccc	aaaactcgcg	180
catagccgac	cacttcttct	tcaatcccgg	tcttcccatg	cgcgccaacc	gttcccatgc	240
cagcagccgc	ctgctccgca	tactcggccg	cacgaacgca	cagtcgcgca	aagagcagcg	300
cccgcacctt	ggggatctcc	ggcgcccgca	ccatccagtc	cttatcgttt	gggtttcgag	360
cctgtatgca	agccgcaaca	taggagtcgt	ctttcaacac	agccaggagt	gtcgcttcag	420
ctaacgcaag	tgacgacagt	gccgcctgag	ccgccggggt	caggtctggt	acggcgggcg	480
ctgtgctcgt	ctggcggtgt	gcgcctataa				510

<210> 12773

<211> 1455

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (78), (221), (224)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12773

actgcatctg	taaataggct	gtgctatgaa	gacgactctt	ggcctcgccg	tgacatcaac	60
agcggatcct	ttcgcttntc	catccccgcc	atcttcaacc	tccgcattgc	agtaaagaag	120
tccagcacca	tggtgtatgc	ctttgctctc	cctaccacca	ctcatctttc	ctttcaaact	180
tttctctcat	ctagcacaca	tccatctcta	cccccagccg	ngtntaccgc	tcgacatgca	240
ctgcgactcg	ccctcaaggc	ccacaaaaga	ctacccacac	gtccacaacg	agattccac	300
ctcatcacaa	tcctcgacgc	gctgaacggc	tacctaccat	atctcgctgc	tatctctcat	360
ggattgagcg	gcagacctgt	tgaaagtgga	agcagcacag	gtggtgaaga	aatcgagggt	420
actctccaca	gcgagctcga	aacagaatgg	cgcgctacat	taagctcaac	tccgttatcg	480
ctgaaaagcc	gacccataaa	cggccgagtc	cgcggaaca	gaatcgactt	tgagatcgcc	540
ttcgctcctc	cgacactagg	ctacgtgctg	agcggcttgg	ctcgctcagg	catcttaacg	600
gctctctacg	ccccaccac	tccaacccca	gaacaacgca	ccgcggccgt	ccaaaccgcc	660
acgaaatacc	tcctgcaagc	gagctcagta	cactccctac	tcgcgtcttc	gccctcgttt	720
ataggcgagc	cacgcagagc	gagcacagcc	gccgcgtac	cagacctgga	ccggcgggct	780
caggcggcac	tgctgctcact	tgcgttagct	gaagcgacac	tcctggctgt	gttgaaagac	840
gactcctatg	ttgcggcttg	catacaggct	cgaaacccaa	acgataagga	ctggatgggtg	900
cgggcgcggg	agatccccaa	ggtgcggggc	ctgctctttg	cgcgactgtg	cggttcgtgcg	960
gccgagtatg	cggagcaggc	ggctgctggc	atgggaacgg	ttggcgcgca	tgggaagacc	1020
gggattgacg	agaagtgggt	cggctatgcg	cgagttttgg	gccgtgtcgc	gcgggctcgg	1080
gcctgtcggt	ttttcggtgt	tgatgcggag	cttgcgggga	agatagggga	ggggattgcc	1140
tggctgcggg	cagcgaaagg	cgcgttgggg	ctgagaagtg	catctcaggg	agagaaagaa	1200
gcttcaggaa	agagcaaagg	gggcctttct	agattgaaga	aggaatgggc	tgagagacgg	1260

gaggagcgaa	ggttgga	aaaa	ggagtcgggc	ggcaaagacc	gcgtggcgaa	gggtgagctc	1320
gatccccggcg	atgacgcagg	cagggaagaa	gagtgccgtg	tgatcgaaat	gctagagaca		1380
aagtgggaga	ggatgaatga	cacggtaagc	ctcttttcag	cagccctggg	gcatgaaagg		1440
tctttgacag	tttga						1455

<210> 12774

<211> 405

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (377)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12774

ccgacaggta	gcagcatcat	gtccgggcct	aatctacaca	atgctcttct	ccgcccaccc	60
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ctagccgata	ttacagctcg	gtatatgatg	atccttgcat	catctgttgc	atcccatgct	180
gccaatgctc	acccgaacga	tccctgcccct	gcgcccgggtg	tagaagacgt	ctaccaggca	240
cttcaggacg	ttggcgact	acgaccgcaa	ttgcgcgaat	gggaggagga	ttggcaaggc	300
gaggaagata	cgcggggact	ggagaatttc	ttgggttggg	tcacaggacc	ggcgaaccgt	360
gaaatccgac	gagtggnctg	ttctaacct	gcgaggggtga	catga		405

<210> 12775

<211> 225

<212> DNA

<213> A.fumigatus

<400> 12775

gtacgcatag	acccgaccgg	gacgttggct	gagtcctatca	aggaggggaca	gccgtttctc	60
ttcgtctctt	tcaactaccg	tctcaatata	tttagttttg	gcgacggaaa	ggagaagaac	120
ctcgcgataa	aagaccaaag	gttggccatt	gactgggttc	gggagaacat	cgtagaattt	180
gggggtgata	cagtgaagtga	tccaacattg	cttgagaaca	cctga		225

<210> 12776

<211> 843

<212> DNA

<213> A.fumigatus

<400> 12776

aatccaacgc	aaaagcacct	acgggatggg	cgtgtatctc	tttctggcac	gacggatgag	60
cgtgacagta	acggctcgtaa	ggagcatggt	gcaacatcga	gctcgacacc	gcgaggcgac	120
acaattgggg	atgcaaacca	acagatgcc	cgcaagagac	gtttcggcgc	tggtgccacc	180
ctggtggcct	cagaccggat	gcttgtcacg	ttatgggctt	attttatcgt	ggctgttgcg	240
ttgacatctc	tcgatagtgt	ccttcctctt	ttcgttcagg	atacgttcgg	ttggaaacag	300
acagcccaag	gactcatctt	cattccagtg	tcggtgcctc	atgttctaga	tccgttcttc	360
gggtacatca	acgacaagtt	tccccaagct	cggcgctttg	tagttggagg	agcgttgctc	420
ataacaatcc	cattgttcgt	gcttctccga	cttgtcacaa	tgaattctat	gagccaaaaa	480
gtggtgcttt	gtgtgctggt	agctctgac	gggctctgcc	tggccttcct	gatccctccg	540
ctctttgttg	aggcctcgta	cgttgttcag	gagaaaagaag	cagagtcacc	cggagtcttc	600
ggcaaaggag	gcgcaatggc	acttgcgtac	ggcatcctca	attctgcttt	tgcatctggg	660
tctatgggtcg	gtccattcct	ggctgggttc	atccgagaaa	gcgctggctg	gagcacgatg	720
tcttgggtca	taggtctgct	gatgggcgtg	tctgctattc	ctatactgct	ttttttggga	780
ggccctatat	ggaaacctat	ggaacggcat	gctgagagtc	agtctgccga	agcagctgga	840
ttaa						843

<210> 12777

<211> 933

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (56)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12777

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agcaatcttg ttggattggg taaaaccccc aacggcgaac ccaatggatc ggggaggagc 60
ggacccggcc atgaaagacc gtcagtggag gaccccgctg gtgaacggtg gcagccggac 120
ggggctacag aggggtgtctt gaagctctta ctggattccg gggccagccc gaacgagagc 180
cgtcaatttc ctccgggtgcc cttttctctg gccatccaat atggacacga cgcagctgtg 240
cgagtattac tagcccgagg agacacaacg gttaccctgc catccgcccc gttcagccaa 300
caaccgctgc atttcgcgtt aggaacgggg tcgctggaat gtgtgctcct cctgatcgag 360
cgaggcgccg atctccagca gtatgagtct accggctccc gggccctcta tcccgccatt 420
agcagcgagg gtcacgctct ggtcaggttc ctctggaacc gcgggtgtaa tccactcggc 480
tggtgcgggt atacggcgct ctccgttgct gcagtcattg gacaccagtc actggtgcgg 540
tacttcctgg ctacgggagt ggatccggag atgcgggacc gtaccggatt cactgctctc 600
gggcacgcgg ccaaggcggg ccacgcggat gtcgtcgaga cgttgctgga gtggggcgct 660
cggcgagaca atgtcggcga ggacggagag acggccctgt gctggggcgg ccgcgaaaac 720
cacgcagtgg ttgtggaggt gtcctcgagg catggagcag atccaaactc gcccaaccct 780
cgcggggata gccccatcca ctggggcgct accaacgggt ccgtcccatc attcaaagcg 840
ctcgtggccc ggggtgcccc ggatagacat tcacctcgag ggagaaacac tcctccatat 900
cgccgcacgg cggaacgatc ggccgctggt tga 933

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<210> 12778

<211> 666

<212> DNA

<213> A.fumigatus

<400> 12778

```

accgcgggtg taatccactc ggctgttgcg ggtatacggc gctctcgctt gctgcagtca 60
tgggacacca gtcactggtg cggtagttcc tggctcaggg agtggatccg gagatgcggg 120
accgtaccgg attcactgct ctccggcgac cgccaaaggc gggccacggc gatgtcgtcg 180
agacgttgct ggagtggggc gtcggcgag acaatgtcgg cgaggacgga gagacggccc 240
tgtgtcgggc ggcccgcgaa aaccacgcag tggttgtgga ggtgctcctg cggcatggag 300
cagatccaaa ctgcaccaac cctcgcgagg tacgccccat cactggggcc gtcaccaacg 360
ggtccgtccc catattcaaa gcgctcgtgg cccggggtgc cccggataga cattcacctc 420
gagggagaaa cactcctcca tatcgccgca cggcggaacg atcgcccgct ggttgaaatg 480
ctcctccagc tgggcaccga agtgatcca cgagacaacg agggggcggg ctccctttcg 540
tgtggcgggc gcaggcggcc atgtcgccat gatggagctc ttgctcgcca acggcgcgag 600
catgactacc cgcggtcgag gcacatgcgc gccgctgcac agggccctct ggagctgtca 660
agatga

```

<210> 12779

<211> 591

<212> DNA

<213> A.fumigatus

<400> 12779

```

ggccgccgct ttcttgctcc gacgaggcgc ggatccggac tttgcagcgg ccgacggttc 60
ccgtcaaccc atcctcgccg tccgcagtcg aatggtcggg gtcacgcggg atctcctgga 120

```



```

acacggcgctc gatccccgac cgctgtcgaa ttgcggctcgt accccgcgct gcttggtgcc 180
tgtgagaggt tccgatgcgga taactacgcg atcgctggga tgctgctgcg gaccgggtcga 240
gtgaacgtcc atgcccga aa cgcgaccga cgcacggcga tcatgttcgc gaccggggaa 300
gacgggggac cgcagctcgt caggcttttg ctgcgccacg gggccaaccc cgacgatcag 360
gaggaggacg ggtggagctg tctggagagg gccatcgggg cgggaaacga ggagaccgcc 420
aggatcctcg tccaggctgg ggccaacgtc aacgcccggg acagctatgg gcagactgct 480
ttacatctgg tgcactcacg ggatcctttc tacgcatatc tgctggaaaa gggcgcagag 540
ctctgctgtc gccatcatta tcatagtcat agttaccaac tcagcaaatg a 591

```

<210> 12780

<211> 501

<212> DNA

<213> A.fumigatus

<400> 12780

```

acattcacct ccagggagaa acactcctcc atatcgccgc acggcggaac gatcgccgcg 60
tggttgaaat gctcctccag ctgggcaccg aagtggatcc acgagacaac gaggggcccgg 120
actcctttcg ctgtggcggc ggcaggcggc catgtcgcca tgatggagct cttgctcgcc 180
aacggcgcat acatgactac ccgcggtcga ggcacatgcg cgcgctgca cagggccctc 240
tggagctgtc aagatgaggg cgcgcgttc ttgctccgac gaggcgcgga tccggacttt 300
gcagcgccg acggttcccg tcaaccatc ctgcgcgtcc gcagtgaat ggtccgggtc 360
acgcggtatc tcttggaaac cggcgctcat cccgatccgc tgtcgaattg cggtcgtacc 420
cgcgctgct tgttgctgt gagagggttc atgcggataa ctacgcgcat gctgggatgc 480
tgctgcggac cggtcgagtg a 501

```

<210> 12781

<211> 825

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (801)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12781

```

gcagtaagaa tggtcaccaa tgaccgtggg gatcaggatt ccggtatgtc ggtagagatg 60
gatcccaaat accgtccaga tactgacct ctccagtgga gctccgaggt caccatcgtc 120
gattgggatg gtcccagca tccggaaaac ccactgaact ggtccaaggc gagaaaatgg 180
ctcatcacct gcgtcgcgct gctcatgacg tttgtggccc tcatgaacgg caccatcatc 240
accgtcgccc atgaagccat caacgagcgg tttgggatca gcgatgccgt cttcccgcat 300
tccgtattggc cggtagacct ctggggccctc ggcgggtgtc tcttctcgct gctcatcctc 360
cccatcatgg aggactttgg catccggcgg acgttccctc tgacgcatct cctgttcac 420
ctgttcgtca tcccccaagg cgtggcgag aactttgaga cgtgggtgat tacgcgtttc 480
tttgccgggg gctgcgtgac ggtgatcggc aacagtgcg ccagcgtgat cggcaatgtg 540
tgggaaacgg agaagcagcg cagtaagccc gtcagtctct ggatctgggc ctatctggcg 600
ggaagcagcg ttggcccggg gattggcgcg tccgtcttcc agtttcgac ctggagatgg 660
atctcctacc tgcagatgat ctggctcggg gtgttggtcc ccatcaact tctgggtgtc 720
agggaatcgc gcgcggcgat catcctccac cagcgggcga agcgactccg cgccaaaggg 780
cagaatgcgc cttttcgacc ncaggatttg aagatccgcc tcccc 825

```

<210> 12782

<211> 441

<212> DNA

<213> A.fumigatus

<400> 12782

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gcatacagcta	tccttccccct	ctatctcgcc	cactcacccc	ctcgcccgtc	actcctctac	120
attccaaata	tcacgcccc	ggtgacggtc	ttttctatcg	tacagtcaaa	cctgctgttt	180
ttggcccttt	ccgaagttga	taccgagcca	cttcttgccac	tggagtctt	gcaccgagta	240
ggtgatgtgc	ttgaggactt	tgttggggct	ccattactct	cttccaagct	tcaggcgaac	300
tacgatgtgg	tcgcacaatt	gtccacgaa	atgtgtgacg	ccggcatcgt	atgcaatacg	360
gaaccaaattg	cgctgcagga	agttgtggag	atgccgggat	ggatggggaa	gttgttggga	420
ggcggttgac	taccggggtg	a				441

<210> 12783

<211> 258

<212> DNA

<213> A.fumigatus

<400> 12783

gacacacgac	agaccggcat	gatgagcgag	gtcgatgcgc	tctacatcta	tgatgagcat	60
aagtatgcgc	tgccctttaat	gacttccccg	aggttgaatt	tcatagagtgc	tgactgcctg	120
agctttcaag	caaccgcctc	gtggagcatg	tttatcgctc	ccgtccaccc	tcgcacatcag	180
ctatccttcc	cctctatctc	gccactcac	cccctcgctc	gtcactcctc	tacattccaa	240
atatcacgcc	cccgggtga					258

<210> 12784

<211> 1443

<212> DNA

<213> A.fumigatus

<400> 12784

ccggccttata	ctgcgtacag	gtcgtctaca	cctatactag	ggccttccaa	ccctctgaaa	60
acccattat	catcctcaaa	tatcccacag	ggccctggga	tcccgtggag	aaaggccggt	120
gtgcggcaca	cgtcgaatga	gttatacgtc	gacattattg	aatcactctc	agtcacgatt	180
gtcccatctg	gacgactact	gtcagcgctg	gtatcagggga	ccattgcgtt	cacagctaaa	240
ttatcggggg	tacccgactt	gtcctcaca	ttaaccactc	ccagcggtcc	ccaggctgtg	300
gggaaaaaga	tagacctgcc	ggtattccat	ccctgtgttc	gactagctcg	atggagagag	360
cgacctggcg	aactcagctt	tgtgcctcct	gatggccgat	ttattccttg	aggttatgag	420
gtggatctgc	ttcctattga	tcctaataatt	gaccaacctc	ctacgcata	ggagaagggtg	480
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gggcgggggcg	gatcggttac	ttccactcca	tcgttcctcg	gaggaggcgg	gaactcctca	660
gcacctgtcc	ttgaagaggt	cgtggtcaca	gtgccaatac	cgaagacggt	tcggaacatc	720
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ctccgagtcg	acagtcctgaa	catcgacca	cggcgagtc	gaggcctcgg	agaaggcgtg	1380
aagccatata	aggggggtgaa	gtatctgtgc	gtcagcagga	agggcgtgga	agctaggtgc	1440
taa						1443

<210> 12785

<211> 192

<212> DNA

<213> A.fumigatus

<400> 12785

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aataatctac	ggaagcagga	acaaacaatc	atgtggagcg	cgacaaaata	caagatggga	120
tctcggagat	tgggcattgc	aactatatct	gcaacattag	taggcatggg	aatatggagg	180
gctttgaatt	aa					192

<210> 12786

<211> 2034

<212> DNA

<213> A.fumigatus

<400> 12786

gctcctaagg	aagagcttgc	gacatccatt	aagcgcggat	acccattgtc	ttccgttgaa	60
ctcatttcgc	cgggaatgag	ttccaacaat	ggcattattg	acactttcag	ccctggggcc	120
gccagcacca	acaccggcag	cagatctacg	tccaccgtcc	gaccacgcac	ccgccgtttg	180
atatctgtcg	atgatgttac	agacgaggac	tatgaaggac	cattgcagtc	caccaggctt	240
tctaccacaa	cgctctcacg	agactcctcc	gctgtccgct	cacgaggtgc	caccccatca	300
ccccacacgt	ccgcgaggac	gtcacctctt	ccaatgcggc	atccttctcg	cgccactgag	360
tactcaacc	tagatgatct	taacagggtc	gggtggtccc	taggcgggca	cagtcagaca	420
gggaaggcac	aggtcaagtt	cgccgattct	tgcggggcag	cggtggattt	tctagattca	480
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agggctaate	caaagacacc	ctcagcatgg	ggctccgtcg	ccccgtccac	atcggaaatt	660
gcagctggaa	caaaggaaga	gagactggct	atggtgcagg	cgaagaagcg	ggaggctcta	720
ctactaacag	acacagggtc	agaggctagt	cgcgacattc	ggcacaaaag	gcgagattcc	780
agtgatcgga	cggaccacgc	ggcggtcgat	gcaaggcagg	acgaggaggc	tttagtatat	840
gtacaccacg	ttcaaccgaa	tgacagcata	actgggggtt	caatcaagta	tggctgtcaa	900
ccagcgatat	tccgaaaggc	caatggattt	tggcccacgg	atagtattca	gagcagaaaag	960
accgtgcttt	tgccggttac	ctcctgttct	gtgaaaggac	ggccgatccg	tgccccgacc	1020
gaaattgatc	ttttaggagg	cgacacttcg	aaccgggatt	ctttagagga	tctgacagga	1080
agctcgatag	cacctgcacc	aagttcagat	gctagggctt	cctctaccga	gggagaagca	1140
cctacagaag	cgccgcttga	aggagaggca	gataagatct	ggaagcatca	gtcgtgggtg	1200
cagatagata	ggttttctgc	gccagtagag	attggccgcg	ttcctcgcaa	agcgttggga	1260
ttcttcccgc	gtacacgacg	aaaatctcta	tcttacacag	actccgaacc	tcgttcatca	1320
atttccggcc	gcgagcgaac	ggcagctctc	acttcagctc	tgccttcacc	gacagagtgc	1380
ccatcatcgc	aagcgtccac	tgacagaaat	cgaagctcca	cagacccttc	agggggcgca	1440
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gtaggaacag	gagttggaac	gctcgatcgc	agtgcgaatg	ctcccggacc	agctctcgac	1560
ggattgagta	aatttgctgc	acaacatctg	ccacagttag	ctcctgcacc	tgcgcctcct	1620
ggcctgggaa	ggacaccgtc	cgagtatgcc	gcggctacgg	cttccaacgc	ttcaactagc	1680
cttgacaata	taggggggtg	agttgaaggt	tgggtgagaa	aattaacgac	tgcagcgaaa	1740
gtaggtctca	gcgagctgca	acagagcgct	caagcgatc	agagcaatac	tgggtgcgag	1800
actagccgac	gtggtatggg	agatttgatt	gaactggacg	ctggcttaga	gtcaagggat	1860
tcatctggcc	ttctgccgga	gagttcgcg	aaaccgaacc	tgaaccgatc	aggatcaaac	1920
ctgcacgacg	cactccttag	agagcgtttc	cccagtcctt	cgatcatccg	aacgagcagg	1980
actcgacagg	gtggatcaaa	cctaggctat	ggcaaccgag	tgaaggatga	ttga	2034

<210> 12787

<211> 495

<212> DNA

<213> A.fumigatus

<400> 12787

caggctgatt	tccacggaga	tggctggttt	ctcagcgaca	gagagaaatc	caacatggcg	60
cgctgaatct	cctctctcgc	ctggctgtct	ctcttactag	gtgcactgag	ccgtgccctg	120
cccagctcgc	agacccaagg	cgccattgca	gactatccca	cagccaccct	gcgtacaagc	180
tatcaatccg	gctcaaaaac	cgtcttcgta	ggccgctccc	taccagagtt	cgaccaggaa	240
ctgttcctgg	gcatcaagta	tgcagaccag	ccaattcgat	ttacgccgtc	gagcctgaag	300
acatcctatg	ctgccaacga	cagtaactct	ggcccttatg	atgcctctgg	gactggcctg	360
gctttgtcca	agggcacggg	gctgtacaat	gccacgcaat	acgggcacga	atgtcccggc	420
tacggatcgg	acgagacgaa	gctggtcgac	atgggggtct	tacacgccga	ggcggcaagg	480
tactgcgctc	aatag					495

<210> 12788

<211> 1887

<212> DNA

<213> A.fumigatus

<400> 12788

gaaatgcaga	tatgtgcgtg	cctgcgttcc	gcacttagca	tcgaagagct	cagtgatcat	60
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tgggttactg	cgcaaagttg	gtacgaactg	caagtcgaaa	aagaacccga	caacattgat	1800
gcgcagtgga	atcttcttac	gtgtcttcga	gagtcagggc	aacaaggtaa	tctccaaatg	1860
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<210> 12789

<211> 528

<212> DNA

<213> A.fumigatus

<400> 12789

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ctgccatata	ttgttctcac	tcgaaaacga	gacgtcatca	cgagggttgg	tcgagcctac	240
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gatattgact	ccgctttcgg	cggacgcact	ttggcggagc	tggtagaac	ggagccaatc	420
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<210> 12790

<211> 330

<212> DNA

<213> A.fumigatus

<400> 12790

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caggtaaagtc	gctgtagcat	tccgttcatt	ttaagtcggt	actttgatct	aagaaatgca	300
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<210> 12791

<211> 876

<212> DNA

<213> A.fumigatus

<400> 12791

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gagcgcgcg	cgctgcttgg	ttcgctcag	gagaccgggg	agagtgcagg	cgagggggta	180
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cattactcgc	ggctgctgcg	cgaggaccag	ctcaccgcg	aacgagagaa	gcgccggtgt	360
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tggaaacgca	aacgagatga	ggcccagcgc	aaggagttgg	tggtgggagg	attggcgat	780
ctgggggttga	cctgggaggg	ccgtcggtac	ctggtgggca	tggtcattgg	cggattggga	840
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<210> 12792

<211> 492

<212> DNA

<213> A.fumigatus

<400> 12792

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ccgccgccag	cgcaacgggt	cgatggtcag	acgtcgga	tagaggcagt	gcacatatac	300
ggtagggcgt	taccgtcgcc	gtcgaagact	ccagatacag	gatccggtcg	caccagctgg	360

gccaacgggt gtggacaaac ttccagtcgc gcggatcccg cgccccaggt tcatacttgt 420
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 gttcgcgggt ga 492

<210> 12793
 <211> 261
 <212> DNA
 <213> A.fumigatus

<400> 12793
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 caacggaagg ccaagtgtga tctggggacg ggcccggtg gacttccctc tggccccct 180
 tgtgcgaaat gtcgccggga acagaagccg tgtctgtttg acgagaagag ggcctgggaa 240
 cgggtgaaga agcgaaggtta g 261

<210> 12794
 <211> 795
 <212> DNA
 <213> A.fumigatus

<400> 12794
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 atcgaattgg aacttgccgc ctttgtcagc aagagtaatg agctgggcaa gcctgtttct 180
 attgatgagg ctgaggacta tatcttcggc gtcgtattga tgaatgactg gtcggcccgt 240
 gatatccagg cttggggagta cgttctctct ggaccgttca acgcgaaaaa ctttgccacc 300
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 aatcagactc agggcagtc cctcgagcag actaacggca agaaccctct gaagctggct 660
 gatggctcgc agcgattgtt cttggaggac ggagacaccg tcgttctgcg aggcattggc 720
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<210> 12795
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 12795
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<210> 12796
 <211> 732
 <212> DNA
 <213> A.fumigatus

<400> 12796
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ctcaaatacca	tcccttacac	cccaatagcc	gtcaacctcc	tcaaaggcga	gcaatcctcc	180
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tccaaagaac	ccgtgaccat	cacgcagtcc	ctcgcagcac	tcgagtacct	cgaagaaatc	300
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ggggtgaagg	tggagaagtt	tctacgac	taccgggtg	cacagcgatt	agaggaggaa	660
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<210> 12797

<211> 375

<212> DNA

<213> A.fumigatus

<400> 12797

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cacccagcc	gcatacctcg	gacccctaga	cccataaaca	tgcaccgtcg	gaaccccccac	180
cgtaaacggg	ccccggatcg	ccccccgaag	ctcctcctca	tccaccgccc	cacccctcga	240
cgcatcacc	atccaacgcg	ccgacccct	cgccaatatc	gacgcagaat	gagcctgcgt	300
cgccaacgcc	tccctcccg	cccgatcgcg	ctcctttact	gcgtcagaaa	cctcaaacc	360
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<210> 12798

<211> 438

<212> DNA

<213> A.fumigatus

<400> 12798

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atgccaacat	ctgcgcgttt	cagggcgggc	gagtcgttga	ctccgtcgcc	tgatcatcaca	180
cagaaagcgc	cgcgtcgatg	catcgctca	accattcgaa	cctttgttgc	agggctgcat	240
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aaactcggcag	cagccatgac	tacgcgacat	gatctgctat	ccaacattgg	accaagaatt	360
ccgacttccg	acgcaattgc	tgctcgccgtc	ttgatgtgg	caccgggtgag	catatgtacg	420
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<210> 12799

<211> 846

<212> DNA

<213> A.fumigatus

<400> 12799

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ggtttgacgc	tgacgccatg	tactcttttg	tcgatgagtg	ccaatgccag	cgtggagatg	840
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<210> 12800

<211> 516

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (13)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12800

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aaaaactcgg	gcgagagcat	gaacgatgtg	tatactaattg	gagccccga	agctgttctg	480
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<210> 12801

<211> 669

<212> DNA

<213> A.fumigatus

<400> 12801

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cttgagttct	gtggcctcgt	agggctttac	gaccctccgc	gcgccgaaac	cgctgctgct	180
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aaagaagcgg	ccgacatggt	actcgcggat	gataactttt	catctatcgt	gaaggcagtg	600
gaggagggaa	gacggctttt	cgacaatat	cagaaggtaa	tctcgacttg	cggttttgta	660
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<210> 12802

<211> 213

<212> DNA

<213> A.fumigatus

<400> 12802

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ccatatgcct	ttcttgcgta	ctggaccaaa	tatatggacc	aatccaatat	aagtaggtca	180

tccaatgaaa tgagccatac tgaactagac taa

213

<210> 12803

<211> 279

<212> DNA

<213> A.fumigatus

<400> 12803

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caaatccctt	tcgcctatct	cttcacccaaa	tttccaatgt	cctgggtcat	tccggctttg	180
gatatttcat	ggggagtgtt	tacattactg	cagtatcgag	tgacctcgta	cggggagtgt	240
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<210> 12804

<211> 1173

<212> DNA

<213> A.fumigatus

<400> 12804

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caagctggga	catcggaag	gcttgacggc	gtccatggtc	tgccaggggtg	gcatgggatg	180
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atccagagaa	gtagtcaccc	acgtcgcagg	atgatagact	tggcagatat	gcagcctgaa	1140
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<210> 12805

<211> 660

<212> DNA

<213> A.fumigatus

<400> 12805

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aaagtatgct	acgcaaccgc	cctggggccgc	tgggagtcgg	aagcgtactg	ggccaattgc	180
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tacaacaaaa	acttttgctcg	tgcaatgatt	gccaagtgcg	agaatcttgt	ggtacgtatc	600
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<210> 12806

<211> 318

<212> DNA

<213> A.fumigatus

<400> 12806

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ttgtctccca	taacacaaaa	tgatctacga	aggcagtcac	tgacattctc	ctatgttcac	240
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<210> 12807

<211> 2499

<212> DNA

<213> A.fumigatus

<400> 12807

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cgaataaacc	accttcgggg	tcgtaatgcg	acaaaatacc	gcgctgaata	tcagaaagtg	360
aatgcactct	tcgaacgagc	actcatactg	ctgaataaaa	tgccgaaaat	ctgggagatg	420
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gccagcaacg	cgcccaggaa	ggcgcccggg	agagggaagg	cgaggaagca	ggcacggatg	2460
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<210> 12808

<211> 258

<212> DNA

<213> A.fumigatus

<400> 12808

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aaggtcaaat	gttctggcac	gcagccatgt	gacaagtgtc	gcaatcgaca	gcaggactgc	180
gtatttgagg	aagatcggaa	gattgtagtc	tctgaggagt	atgtcgaaga	agacctgcat	240
aagaagtgtg	tgttctaa					258

<210> 12809

<211> 306

<212> DNA

<213> A.fumigatus

<400> 12809

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ccggtcgcagc	aactcgggtga	gaagcgcgtc	gaacgggtgta	ctaagatctg	gtggacggta	120
tacattctcg	accgcaagtt	ctcttcgttg	atcggtgcgc	cgacttcggg	gaatgatgag	180
gacgtgacca	ccatcctgtg	ggacctgaag	acctgctccc	aagaggcagc	agccttgagc	240
cttcatgtca	agatcacgca	ggtcatcacg	cgggtgttgc	atagtaagtg	gcctgccgac	300
tggtaa						306

<210> 12810

<211> 393

<212> DNA

<213> A.fumigatus

<400> 12810

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cacgccgatc	gcgagacctg	ctcctttctc	tacgcctttc	agctcgatct	cttgaccggg	180
aacgatatct	tctatcatca	cggggcccct	cacgccgccg	atcgctcctc	tgaggtgcgt	240
cacgccgagg	gcttcggcca	atatctgagt	ccggctcagg	agaacgcggt	tttcggttcg	300
ctaagtccca	cattgtcgag	ctatcgacct	gttttgctct	tttcgcgggg	ggctctgcca	360
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<210> 12811

<211> 774

<212> DNA

<213> A.fumigatus

<400> 12811

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cctcggcgtg	acgcacctca	gaaggacgat	cggcggcgtg	aggggccccg	tgatgataga	180
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gacggcgtg	accggggaccg	ggaccgcat	cgcgatagga	cagatcgga	tagagacggt	300
cggggagcaa	gagacagaga	tacaagcgcg	accagagaaa	gacattatga	cagacgaggt	360
atgccgtatc	ctactgatga	aattgattta	ctcatacct	atgctcttca	aggatatcga	420
gacagatacc	gctcccgtc	ccgctcacct	attcggaatg	ggaataggaa	caggactaga	480
actccaccac	ctcgagggcc	gaaggagat	cgcagagacg	atcgcaaaga	caaccgtccg	540
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cccgcagtac	cgattgaaga	agatgaaatg	gaggcgctga	tgcgcaagac	cgtgggcttt	660
acaaggtttc	aggagcaca	agaataccaa	agtgcctgga	aacaacatct	acggtgtgcg	720
gaaagagaag	aagactgtgt	acagacagta	catgaaccgt	gtaggcggat	ttaa	774

<210> 12812

<211> 540

<212> DNA

<213> A.fumigatus

<400> 12812

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ggtgattatc	gcaacgtcaa	cttcaagcga	tttgattatg	aagtcggtac	gagcgtgctt	180
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aatcgcttca	agtctttcgg	tctgtcatcg	aggcctatca	ttggcaaagg	attggtcgca	360
gtctttctgg	ctctcagcat	cttcaccttc	actctttact	ccccattagt	ctatggcaat	420
ccttggaccc	aagatgcttg	caagaaggct	aaacttggtt	gcacttggga	ttttgattgc	480
aacacatttt	acactgacgt	aagtgttcca	gaatggcaac	ctccgcgacg	aggacactag	540

<210> 12813

<211> 543

<212> DNA

<213> A.fumigatus

<400> 12813

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gtggcaccgc	cccagcagca	tcatcaggag	gttcacaagg	aggctcagga	ggcaagcgtg	180
acttcacagg	cccaacagcc	tgcggaaca	atggcgagag	tggagtaccg	tgatcaacat	240
ggcaatgttc	ttgatgaggc	gctcgtcgca	tctcttgcca	gggaaggcaa	agtttctttt	300
gaaacccggc	atgaaactcg	gactcgcctt	gaacatgccc	atgaagtaga	gatgatagat	360
ggtcgaatcg	caccgccaca	cccagatgtg	gaagggcaaa	atcctgaaac	tgtgaaggac	420
caggagcacc	aggctgcggg	agacagccca	gcttcggctg	ctgtgggcga	gagatcagtc	480
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taa						543

<210> 12814

<211> 192

<212> DNA

<213> A.fumigatus

<400> 12814

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accctcgaca	aggcccccaa	gcgcgacccc	gagctctatg	tatggatctc	gtaccaagct	180
ccgctcgact	ga					192

<210> 12815
 <211> 420
 <212> DNA
 <213> A.fumigatus

<400> 12815
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 tgcagaacct gattgtcgct aattgcacgc tggattgatg cggacgccgc ttaccaatta 180
 tttgtcaaca ggtacttcgg cagaaagccc acctcggtaa cctctgagag caacgttcgt 240
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 taccaccctc acggtgacaa gagccagccc ctccagacgc tctgaacacc 360
 gtcattgttc ccaatgtcac tctgcccgtg gtaatgatcc ctgcctttc atctccatga 420

<210> 12816
 <211> 738
 <212> DNA
 <213> A.fumigatus

<400> 12816
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 catcgccgtc gctccaccca cgctcagtcgt cgtgaccttg agaaatttag aacggaagtc 180
 ctaggtattg tttcagaccc ttctctctgg tgcgaggagg ctggcggatc tccagcaagc 240
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 aacaatagca gtggtattcc tagcaacaac cctgggttcgg gcatgttccc taattacgtc 360
 gacaacaccg ctaattccgc aaatttgccc aacgcttctc gtcagtcgat gtctcccgcc 420
 atgccaagcc cctcgactca ggtcaacggg gctggaatgc ccggtatgaa cgctggcata 480
 cctatgaatg caggccatca aatggatctt catcacctgt acgagatggt gttggagctg 540
 agtgaggctt tgaagaacaa ccgcgagacg accaagagca ttgtatccac tgcggaggaa 600
 atcatggtac gtttgtcgga tcgcgaaggc tacactgtag ctccgcggtat ctgctgtttg 660
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 gcagcaggtc aatggtga 738

<210> 12817
 <211> 483
 <212> DNA
 <213> A.fumigatus

<400> 12817
 aagccgctga cagtctctac gttagctgcc cgtatcgag aactcgaacg tgccttcgag 60
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 ggggaatatg aagcagccgt tgggaccatg gtcgaacaaa tccgcaacta ctgccagaac 180
 aacaacatga actacctggc tcagaaacgc cactacaaca atctactcca ggccgaacgc 240
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 atcgtctctg gtctacagaa cgaggtagc gcgtatcgca atgcccttgg tatggagcca 420
 gaaaaaccag aggaagagta cggttgggaa atcctcaagg atgtgcccc aagcgttgac 480
 taa 483

<210> 12818
 <211> 1662
 <212> DNA
 <213> A.fumigatus

<400> 12818

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<210> 12819

<211> 654

<212> DNA

<213> A.fumigatus

<400> 12819

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caagctcccc ggaggaaacc acgaagaagc agtcctcacc tccgccatcg aggcgaaagt 600
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<210> 12820

<211> 747

<212> DNA

<213> A.fumigatus

<400> 12820

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cagaagaagc gctcgtcgag aacgaattcg gatgtgatga tgaaagaggc agaggaagag 120
ctggacagtc atgagcgcac tgcaaaccgg gaatcttcgc cgtcgaatga tagtaatgat 180

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gggacgactc cctccggtat agacgatgat gatgatgcag atctgtttca taacagcctc 240
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gtgagtattt cccccccat acttgtggac cgttatcatt gggatatatg tgatttttat 720
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```

<210> 12821

<211> 504

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (378), (393), (495)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12821

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gagaaggagg cgggtgcccc ggggggtgcg gcagcgacta acggggacgc aagcgaggag 360
aaggtgggtg ggctgcanac gaaggtcgct gancagttct tccgtgccta ctttgaggag 420
gagaagaata tcacggatcg gaagatggtg gttgattccg ccgcggcggc gggattggat 480
cgtggggagg ttganaattt ttag 504

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<210> 12822

<211> 501

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (44)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12822

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aggaggagga agaaggagag gaaggagggg gaaggaggaag gaggaaggga aaggaagggg 120
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aaggggagag agaggaagga gagagagagg aggaggagaa agaaaagagg agagagagag 300
ggagagagag gaggaggga gaggaaggag aaaaaggagg aggaggggag gaggaagaga 360
aggggaggag ggggggaaga aagagagagg aaaggagag agagagagaga gaagaagaga 420
gaagagagag agggagaaag agaaggagg agaagagaga agaaagggag aggaagaagg 480
gaagaaagga gagaagaaaa t 501

```

<210> 12823

<211> 510

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (52)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12823

```

gcaaatgaaa cacagttcag ctatacaagc aaggcctcgg agggaggggg gnagaggggag      60
gggggggggag gaggaggaag aaggagagga agggagggga agaggaagga ggaaggggaaa      120
ggaaggggga ggaggaggag aagaagaggg gggggaagag aggggaaggg gagaggagag      180
aggagggggg agggaggagg gaaggaggga gagaaggagg ggagggggga gagaggggaga      240
aaagaaggaa ggggagagag aggaaggaga gagagaggag gaggagaaag aaaagaggag      300
agagagaggg agagagagga ggaggggaaga ggaaggagaa aaaggaggag gaggggagga      360
ggaagagaag gggaggaggg ggggaagaaa gagagaggaa agggagagaa gagagagaga      420
agaagagaga agagagagag ggagaaagag aaggggaggag aagagagaag aaaggggagag      480
gaagaaggga agaaaggaga gaagaaaatc                                     510

```

<210> 12824

<211> 513

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (57)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12824

```

catgagcaaa tgaaacacag ttcagctata caagcaaggc ctcggaggga ggggggnaga      60
gggagggggg gggaggagga ggaagaagga gaggaaggag ggggaagagg aaggagggaag      120
ggaaggaag ggggaggagg aggagaagaa gagggggggg aagagagggg aagggggagag      180
gagagaggag gggggaggga ggaggggaagg agggagagaa ggaggggagg ggggagagag      240
ggagaaaaga aggaagggga gagagaggaa ggagagagag aggaggagga gaaagaaaag      300
aggagagaga gaggagagga gaggaggagg gaagaggaa gagaaaaagg aggaggaggg      360
gaggaggaag agaaggggag gaggggggga agaaagagag aggaaaggga gagaagagag      420
agagaagaag agagaagaga gagagggaga aagagaaggg aggagaagag agaagaaagg      480
gagaggaaga agggaagaaa ggagagaaga aaa                                     513

```

<210> 12825

<211> 489

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (458)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12825

```

atcttcttct ctcctttctt ccttcttctt tctcctttt tctctcttct tcttcccttc      60
tctttctccc tctctctctt ctctcttctt ctctctctct tctctccctt tctctctctt      120
ttcttccccc cctcctcccc ttctcttctt cctccccctc tctccttttt tctccttctt      180
cttccctcct cctctctctc cctctctctc tctctttttt tttctcctcc tctctctctt      240
ctccttctct tctctccctt tcttcttttt cctcctctct cccccctccc cctcttctct      300
cctccttctc cctctccctc cccccctctc tctctctctc ccttcccttc tcttccccc      360

```



```
cctctttcttc tctctctcct ccccttctct tctcttctct cctctctctt cccctctctt 420
cctctctcttc tctctctctc tccccccccc tccctctncc cccctccctc cgaggccttg 480
cttgatatag 489
```

<210> 12826
 <211> 492
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (457)
 <223> Identity of nucleotide sequences at the above locations are unknown.

```
<400> 12826
ttttcttctc tcttttcttc ctttcttctc ctccctttct tctctcttct cctcccttct 60
ctttctccct ctctctcttc tctcttcttc tctctctctt ctctcccttt cctctctctt 120
tcttcccccc ctctctccct tctcttcttc ctccctctct cctccctttt ctcttctctc 180
ttccctctct ctctctctcc ctctctctct cctcttttct ttctctctct cctctctctc 240
tcttctctct ctctcccttt ccttcttttc tccctctctc cccctctccc tcttctctc 300
cctcttctcc tctctctctc cccctctctc ctctctctcc ctctccctct ctctcccccc 360
ctcttcttct cctctctctc ccccttcttt tcccttctct ctctctcttc cccctcttct 420
ctctcttctt tctctctctc cccccccct cctctctncc cctctccctc gaggccttgc 480
ttgtatatgt ga 492
```

<210> 12827
 <211> 534
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (459)
 <223> Identity of nucleotide sequences at the above locations are unknown.

```
<400> 12827
gattttcttc tctcttttct tcccttcttc ctctcccttt ctctctctct ctctctccct 60
ctctttctcc ctctctctct tctcttctct tctctctctc ttctctccct ttctctctct 120
ttctttcccc cctctctccc ctctcttctc tctctccctc ctctctcttt ttctctctct 180
tcttccctcc tctctctctc cctctctctc ctctcttttt ctcttctctc ctctctctct 240
tctcttctct ctctctcccc ttcttctttt tctctctctc tccccctctc cctcttctct 300
tccctctctc cctctctccct cccctctctc ctctctctct ccttccctct ctcttcccc 360
cctcttctct ctctctctcc tcccccttcc ttctcttctc tcttctctct tccccctct 420
tctctctctt ctctctctct cccccccccc ctctctctnc cccctctctc ccgaggcctt 480
gcttgatatg ctgaactgtg ttctatttgc tcatgtcatt ctaaggcatt ctga 534
```

<210> 12828
 <211> 1956
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1212), (1244)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12828

```

gttattatct gcttttcatt tgtctcaaaa aatatcttca ctgtgtcaac ctggttttctc 60
cgccagatc gattcggtga gaacgtgctt cctactaaca ataatgctgc atatagcaat 120
ggcattagcc aggtgtcgac cccaagtoga gtccgtgcca ccactctcga tatcccaggt 180
ctgaccaagt ccaaagtgtc tcccgatgga cgtatcgctc agagagatct cggctccaag 240
ctgggtgattg tcatggtcgg ccttcccgcc cgaggcaaga gctatgttac gaagaagctg 300
gctcgctacc taaactggct gcagcatgat acagagattt tcaatgtcgg agaacgtcgt 360
cgtgtcgctg caggcaagtc tcttctcccg gctaaagcca tgggccctcg tgacaagcgt 420
gcgtcggtgc ataaggatct cgtggactct gtgcgacgtc tcagtgtgag cgtgggcacg 480
atgaacacac agccctctca gactgagatc tcacctctcg agtctgctac ctgcctccg 540
gaaattaaca gcctcccgcc accggtcgct accgctaaga tcctagtcaa tgggcaggaa 600
gaagatccct ctatgcaaca ggagggcagc acgatcataa cctctatcga tgcaggaccg 660
gacaaccagc agacggtcac ggaagcatca ccggagccaa tggatcaatc ggcacgttc 720
ttcgaccac agaattgagcg tgctgtcaag ctgctggaac aggttgccct ggataccctg 780
gatgagctct tagactatat ccttgtgcag ggcggcagtg tgggtattct cgatgccacc 840
aacagcacc tcgagcgccg caaattgatc gtcgaccaca ttcgccaagt tgctggccct 900
gagctgggtg tcttgttctt agagagcagc tgtgtggatc ccgagctctt ggaagccaac 960
atgcgtctga agctatcagg ccgggactac aaaggtcagg acccagtga gtcgctggag 1020
gatttcaaga agcgtgtagc cctctacgaa aagtcctacg tccctcttgg agagtatgaa 1080
gaaaagcacg gcatggctta tatccgaatg atcgatgtcg gacgcaaaat cgtctctcat 1140
caaaccatg gctttctttc ctgcgaggtt gtctattatc tcttgaattt caacctctct 1200
ccgctcaga tntggatcac ccgtcacggc gagagtagga caanccagct gggccggatc 1260
gaaggcgatt tcgaaattag cgaaaacggg cgccgttatg caaaggcttt gaccggtttc 1320
atcgattatc aacggcatca atgggagcag ttacagcaac aaaagaatat gctgcgacac 1380
ttccccccac gtcccggtga cagtacgctt cccaaccctt cctacattcc aagagatcgg 1440
ccgctgaact tctgtgtgtg gtgcgcaatg atgcggcgct cggctccagac ggttgaagga 1500
ttcaacgaag atgagtatga tgtcaaacag atgaaaatgt tggatgagct gtatgctgga 1560
gagatggaag gcatgacgta cagcgagatt cgcgaaaagt atcccgaaga gtacgcgatc 1620
cgcaagaaga acaaactgtt ctatcgttat ccgggccctg gaggcgaagg gtatctagac 1680
gtcatcaacc gccttcgcgc tgtgatcatc gaggtagagc ggatgacgga ccacgtcttg 1740
attgtcacc atcggtcggt ggcgcgtgtt ctgctcgctt acttccgtgg actgaagcgg 1800
gatgaagttg ccgacttga cgtgcctcta ggaatgctgt acatgctcga gcccaagcct 1860
tacggcgtgg acttcaaggc ctatcgctac aatcctgata ccgattgggt tgaccatatt 1920
cctgactttg aactgagcca agccccact tattga 1956

```

<210> 12829

<211> 750

<212> DNA

<213> A.fumigatus

<400> 12829

```

ttcacagcgc tgcttgctga ttggcttcgc tatagcttag tctccttct taccggtgca 60
atcatcccaa tcgcctcttc tctactcgt ttcgtaccgt tccccgctgc ttggcgagta 120
tggttcaggg cagtcttcat cgatcctct tttgtcggtc gtcccatag ttcccctata 180
ctcgacacct tctttatgcc cactcgagga caagccctat tcatcgcgta tctgttaata 240
atcaacatag tattgtgctc gatcgggttc cactctgcta atccaagcat ttggttcgctg 300
tccaagcacg acgagattct cgcttacgtg gcaaatcgca tcggcgtgct cagttttgctg 360
aatattccct tgctgggtct atacactggt cggaacaact ttctcctctg gctgactgac 420
tggtcacatt caaccttctt cttgctccat cgctggctgg cgttcatctg cactctccaa 480
gcttgtctgc actcgccat atatctgcag attgcggtt ccaataatga gcacagtacc 540
gaaagtaagg agtcattctg gatctggggc gtggtcgcca ctttggcgct agccatcact 600
atcccatcat cagcatggcc aatccggaag cggtgctacg agctattcct cgcttggcac 660
gtcgtcctgt cctttctagc tcttcttgcg tgctactggc atatttggtg caggtatgga 720
catcagtggg gctatgaaac ttggatctat 750

```

<210> 12830

<211> 393
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (352)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12830
 cctgagcgca gtcgactcca tcgggaacag gttattggtg gtggaatcat gactgcctac 60
 ccgttcagcg cgggtgtgca gcatctcgat tggttcatcg tcggtgtgag cgtgagcatg 120
 atccccctg ttgatccgca cgaatcgtgg aagaggactg aagcgggcct tgaagcgagt 180
 tgtgcgctgg tggaagggaa gacgtccgag ggcttcaaga gcgcgcgctt caatgatctt 240
 gttctcaagt atatctcgga cggcgaccaa gtgtctgttc caccaagcaa ggaagaaaaa 300
 cagcagcagt gtaaggacgt acaccgcgat ggagtcagtg ctctggtcgt anaaaggcaa 360
 attgagcgca gttccaccgt gaaaggaagt tga 393

<210> 12831
 <211> 705
 <212> DNA
 <213> A.fumigatus

<400> 12831
 atggaagcca aatacactcg ccttgcagag acaatatgcc agaaagccaa tgcccacagc 60
 aagaggcgct tctagtggtc cattgctggc atcccgggat ccggcaagac aaccaccgca 120
 gtcgcggtcg ccaggcttct gaacacccaa ccgtcgccaa aacgcactac tctactctcc 180
 atggacgggt tccatctgtc gcgggcgaca ttggacctct tacccaatcg agaagaagca 240
 tataatccgc gccgagcacc ttggaccttt gacgcggccc gcttcgtcca gttcatccgt 300
 cggctacgga attgggctga ttgcagcccc tgtgcctctg cggagacgat ctacgcaccc 360
 tcttttgacc acgaggctaa agaccccgct gaaaatggca ttgctatcac cgatgacacg 420
 gagatcgta ttatcgaggg gaattatctg ctgcttgacg agcctgaatg gcgcgaagtg 480
 gctgccctgg ttgactaccg cgtgttcgtc gagagtgacc tacaggaagc gcgagaacgc 540
 gtcgcccgcac ggcattgtct tgcaggtatt gaaaagacgt tggaggatgg gtttcggaga 600
 gtggaccgca atgattatct gaatgcgatt accattcagg agaagctcat cactcctgat 660
 ttggttattc acagtgtgac ggagccaact gctggatact cataa 705

<210> 12832
 <211> 312
 <212> DNA
 <213> A.fumigatus

<400> 12832
 cgcgattccc atcttttacga ctgtcggagt ttagtcaaca tgtctttcca aaactttgac 60
 tctttccaaa accagcaccg gtcagccgac gctgctgctg ctgctgcccc aggcgctccg 120
 gcaactgcgg ataccaccat gaccgggcag actgacccta ccactggctc tttccagggt 180
 cctgcccccg gcgagccctc agctgtcctt gttgtctcagc agggcaatga gggaaagacc 240
 actctctggt acgcttggcc tcgatcatcg cgctcatgta catattcgga aatacgcggt 300
 cttttttgct ga 312

<210> 12833
 <211> 210
 <212> DNA
 <213> A.fumigatus

<220>

<221> unsure

<222> (86)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12833

tgtcaagatg atccgcgaca agttttctgg gtgagtttat gggaatcttc ttgctctttt	60
gaaggcgatc ctaatgttgg tagtangagc aatgccggat attgcttcgt cgacttctct	120
tcccccgccg ctgctgcca ggccctttct ctcaacggga ccccatgcc caacaccaac	180
cgcgtgttca agctgaattg ggccactggt	210

<210> 12834

<211> 195

<212> DNA

<213> *A.fumigatus*

<400> 12834

aatgctaatt catcacctag aggtactcga tttacactct cgagggatga gctgttaacc	60
ctgcctgaat ttgtccttct atcactgttt cccaatggtc ttctgcctga tgggcataatg	120
ggctcatttc aagagggtga tatctatccc gttgacgtac gtcaagtctt tccgccattc	180
cctttgtcta aatga	195

<210> 12835

<211> 354

<212> DNA

<213> *A.fumigatus*

<400> 12835

tatgatccaa catctctcca gtacatgtta gatttcttcc gttcagtggc tcagtcgac	60
ccgtcatctt caccttcagc gtcgactact ccggaattag agatgtctga aacgggtgctg	120
gggtcaccaa gagacatact acaagatcgg gccggaatta tcgtcctacg tgaggacctc	180
gatttctatg cgataccacc acgtcctgac atcgaccata cggagatgat ggaggtcaaa	240
cgtgccgtgg gcaaggcact tcttaaaca gacgggatat tttccggcct gaagaagagc	300
gatgaaccgg gatcgacgga gcaacatctt attgagatgc tcaactgcagg gtaa	354

<210> 12836

<211> 324

<212> DNA

<213> *A.fumigatus*

<400> 12836

ttacgtacat caaactctat caaatctgca agaatactca cgaagtgcag tggttttgaa	60
agagacgacc ggtgggggtca ccgtgtctcc gaacccaaca aggcgggtcat ttgcagcctt	120
gcattagcta aacttcgcac cgacgtcaga ggtgatctgt ccaataacaa tgcggtcggc	180
atggcacaga aactcttatt gttctggaga aaaccagcca gaagatgctg gtgggagggg	240
gtcgaactgg aaagtgtcga gggcgtcgaa ggcaaagtaa aagtgtggat tccgagagtc	300
tggacgcttg aaatggtaag ttag	324

<210> 12837

<211> 258

<212> DNA

<213> *A.fumigatus*

<400> 12837

acagttctac aggatccttc tgtggcttcg tcgcccattg agaagagagt cgcattcctc	60
caatcaaaaa accttacaca ggaggagatt gatctcgctt tatcccgcg cgggtgaagat	120
acgtctgctg ctgcttctgc tgtcgctca acgcaaggct atcaacgtcc tactcaaac	180

tctgtctacc gtcctccccc tccaccaccg gggatatggct acccgcccta tggccaatgg 240
caggcccctc cagagtaa 258

<210> 12838

<211> 675

<212> DNA

<213> A.fumigatus

<400> 12838

tccgaggtgt	gggttatggg	ttatacaccg	tcacaaaggt	tagtaatctg	tgccgcagtt	60
cgcttggctt	ctcttgcgat	ggtagtaaca	aatgctttca	agcgttacat	tgcgccgtta	120
atcgccctc	ctacaccacc	ccaattggaa	caagacaagc	agagcattga	tgagcagttc	180
tctcgcgtt	ttgctttaat	tgagcaacta	tccacagata	ctgcggcatt	gaagtcagct	240
gaagaagcgc	gcacagagcg	attggacaca	gctcttcggg	aagttgaaac	cctggtggcc	300
gatctgaaga	ccgcttctcg	ccgtcgggat	gatgagacac	gccgcattag	cgacgaggtg	360
aatcattga	aggatgccat	ccccaggct	cttgaaggtg	ctcgggaagg	caacgaaacc	420
cgcttgaagg	aactcggcac	tgaattgaag	agcttgaaga	ctttgcttgg	caacagactc	480
agtggcagcg	gcgcgtccag	cactcctgtt	gccggtagaa	ctatgagcgc	atcaactctg	540
cctagcgtcg	ctcggtcgcg	ggaggaggcg	tcaccggctg	ccacatccgc	tactaccaac	600
ggcgttacag	cgactcctac	tacacaagaa	tgcagctct	ccccggcaca	gccaggcgcc	660
ggctcgacca	ccggt					675

<210> 12839

<211> 657

<212> DNA

<213> A.fumigatus

<400> 12839

gcaccggtgg	tccagccggc	gcctggctgt	gccggggaga	gctgcgattc	ttgtgtagta	60
ggagtgcgtg	taacgccgtt	ggtagtagcg	gatgtggcag	ccggtgacgc	ctcctccgcg	120
gaccgagcga	cgctaggcag	agttgatgcg	ctcatagtct	taccggcaac	aggagtgcgtg	180
gacgcgccgc	tgccactgag	tctgttgcca	agcaaagtct	tcaagctctt	caattcagtg	240
ccgagttcct	tcaagcgggt	ttcgttgctt	tcccagacac	cttcaagagc	cttggggatg	300
gcatecttca	atgatttcac	ctcgtcgcta	atgcccgcgtg	tctcatcatc	ccgacggcga	360
gaagcggctc	tcagatccgc	caccagggtt	tcaactccc	gaagagctgt	gtccaatcgc	420
tctgtgcgcg	cttcttcagc	tgacttcaat	gccgcagtat	ctgtggatag	ttgctcaatt	480
aaagcaaaaag	cgcgagagaa	ctgctcatca	atgctctgct	tgtcttggtc	caattgggggt	540
ggtgtaggag	ggcgatttaa	cggcgcaatg	taccgcttga	aagcatttgt	tactaccatc	600
gcaagagaag	ccaagcgaac	tgcggcacag	attactaacc	tttgtgacgg	tgtataa	657

<210> 12840

<211> 969

<212> DNA

<213> A.fumigatus

<400> 12840

atgagtgtgc	cttttacatg	tcctcccatg	tacctcaata	atgcagcccc	cgtcctgact	60
gcggtctttc	gcggggcaac	ctcgtttgtg	gatgcacatg	ctgagcactg	gaaatcatgg	120
cccaagaaga	gacaaaagca	tactttctgtg	gtcactcctga	cagtgtttat	cttttgcctc	180
ggtctaaagc	taggatcggg	cctgttctat	gcccattact	ggggccgggc	gacgatatcc	240
agcttccccg	ttacgcctta	cgttgattac	tgggagtggg	agacaacgtc	acgcttctcg	300
aatcgcgcac	gcgccaacga	gacccaagag	aacagtgatg	gcgatgactt	ttgtgactcc	360
ttcccttcac	accacctctc	gcattgtcaa	gtcgttctga	aaatcggcag	tacagagcct	420
cgtagtctgtg	ttgatactca	tctggccact	gttaccgcgt	gcataactaa	tcccatcatt	480
gtttctgacc	atgagtcaga	aatcaacggg	caccatgttc	acaacattct	ggcaaccctg	540
ccagggagct	tctgggggga	tagccgcgac	tttcaggcgt	atagtgcgct	ccagcgcggc	600

gaacttgaaa	ctgtcgctgg	ttcccagggc	tggacgcttg	acaaatacaa	gttcctgccc	660
atggtcgaac	gcgcgtatga	gatgaatcgc	actgctcagt	ggtttgtttt	catcgagtct	720
gatacataca	tgggtgtggga	caatatgttt	cgtcttctcg	accagttcga	tcctccggtt	780
cctttatact	ttggctcccc	gactccggga	aagaggccct	cgttctttgc	ctatgggggt	840
gctgggtttg	tgttgtctac	ttccgcgggc	cagaggctgg	tactcataa	ggctggggcc	900
aacggcgtgt	acagccagct	ttcattgagt	catcgttaca	aggagctggt	ccatcaggat	960
tgttgcggg						969

<210> 12841

<211> 450

<212> DNA

<213> A.fumigatus

<400> 12841

gaccgactca	accctggcaa	gaaaatgtac	tgcaatgatt	ctcatggcat	ctccgtcggg	60
tctctaggcc	atcacatcgg	ccagggtgac	atcgtggaga	atatattagt	ctgtaacact	120
tccttgaagc	ttcgggtacgt	gatctgtcac	cacgttcccc	gagcgggcgg	aagaagctgg	180
cttgtcaggc	ttgaatcaaa	atctggcctg	gagcaattag	caactccac	cagcacgggc	240
ggcagcagtg	gttgggacag	gaacgtaacc	tatgaaggca	tgcacaacta	tcacaacgac	300
tgggcgatta	agatgacca	gttctacgtt	gcgcctaata	agacggcttg	caatgagcat	360
cgggtatggt	tcgctagctg	gacatacaga	ctcggctggt	cggttctagg	cttcgcctat	420
tgtcagat	attatgttca	tgaattttga				450

<210> 12842

<211> 1434

<212> DNA

<213> A.fumigatus

<400> 12842

actgtccgct	tctatgtaga	ccatccattg	tcaaggcgcc	aagaccagcg	agccatcatg	60
gtgttatcca	gcctattgat	gactatcata	ctcatattcc	tgaccctcgc	gggtgggtgga	120
aatggctcga	ggataaacgg	gcggcaggtc	gtccgtcgct	tcaatcccgt	gcgtaccaac	180
ttgtcctcga	cgactcccat	tcaagtggga	aatggcaact	tcgccttttg	agctgatatt	240
accgggctgc	agaccattct	gccgtacaac	attctgtcct	cctgggtgtg	ggccaatgac	300
tccttgccca	ccgagccagg	ccaggatgat	ccctccgact	tcaccggact	ggactgggtg	360
actcatggca	gattggtaaa	ctacgatatg	cccaacacgg	ccgaagcagc	catctcaact	420
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<210> 12843

<211> 1215

<212> DNA

<213> *A.fumigatus*

<400> 12843

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<210> 12844

<211> 429

<212> DNA

<213> *A.fumigatus*

<400> 12844

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<210> 12845

<211> 687

<212> DNA

<213> *A.fumigatus*

<400> 12845

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<210> 12846

<211> 723

<212> DNA

<213> A.fumigatus

<400> 12846

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<210> 12847

<211> 540

<212> DNA

<213> A.fumigatus

<400> 12847

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<210> 12848

<211> 1284

<212> DNA

<213> A.fumigatus

<400> 12848

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<210> 12849

<211> 1164

<212> DNA

<213> A.fumigatus

<400> 12849

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<210> 12850

<211> 807

<212> DNA

<213> A.fumigatus

<400> 12850

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<210> 12851

<211> 321

<212> DNA

<213> A.fumigatus

<400> 12851

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<210> 12852

<211> 549

<212> DNA

<213> A.fumigatus

<400> 12852

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<210> 12853

<211> 459

<212> DNA

<213> A.fumigatus

<400> 12853

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<210> 12854

<211> 393

<212> DNA

<213> A.fumigatus

<400> 12854

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<210> 12855

<211> 183

<212> DNA

<213> A.fumigatus

<400> 12855

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<210> 12856

<211> 192

<212> DNA

<213> A.fumigatus

<400> 12856

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<210> 12857

<211> 1740

<212> DNA

<213> A.fumigatus

<400> 12857

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atgagcaaat	ttggatgggg	tctcgacaat	cacgaggaat	tgcggaaact	gacggaaaat	1620
tatgtgcaag	gtcttcaatg	ggttctgtat	tattattaca	gggttattgc	gtcttggcca	1680
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<210> 12858

<211> 1398

<212> DNA

<213> A.fumigatus

<400> 12858

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ccgtacgagc	agctcatggg	tgtcctacct	gaccgaagca	agcaaattgt	gcctgccgcg	120
ttccgggact	taatgacgtc	cccagaatct	cccatcatcg	acttctatcc	gcgtgaattc	180
gaattggata	tgaacggcaa	gaagatggaa	tgggaagctg	ttgtcaagat	tccgtttatt	240
gatgaacgtc	gcctcttggg	agctcttgcc	accagagagc	acctcttgac	tccggaagaa	300
aaagcgcgaa	atgggtttgg	ggttagtctc	aagtttactt	actcaccgga	agtgaacttc	360
acctaccctt	catctttccc	tgggtgtctc	cctgatattc	ccagttgcca	ttgcattgag	420
aatatttttg	acctgcctac	catggatggc	ttggaacctt	atattggatt	ggtcgagggt	480
gtccaacttg	gagcggctgc	attggctggg	ttcccaagtt	tgaagactct	gccgcacgta	540
ggccagcttg	gttttcacgg	cgtgtgcggt	ttccaacagg	agagtcgcaa	cgagagtatg	600
gttatcacgg	tacttgacct	gggcagcagg	tcgaatattg	agctggctaa	gcagaagctt	660
gggaagcgtg	tctttgtcgg	ataccctttt	ctgcaggaag	ctcttgtcat	ccgtgtatct	720
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gaaaccgact	atgcgctaca	gctcgtcgtg	gacgaagtta	tcaaccccga	tgagcgcctc	1020
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gaagcggaga	ggctatgtcc	ctatatgcc	tcatattgcca	ttgctcgag	cctgcgtttg	1260
aatccgttgg	tgttggcaaa	gatcacctcc	tcattctctg	ttgacataga	ggggcagcgc	1320
gtcaatttgg	gtctgaatct	caagttcgaa	gccgtcttca	ccacggggct	ggaaggatcc	1380
gacggtggtc	gatcatcc					1398

<210> 12859

<211> 1560

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1548)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12859

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cggtagcaaaa	gacaatcacc	ttctatacag	gaacgccttc	gctgtgatac	ttccgttcca	180
ccacatttct	cagctatcgt	tcatcatggg	tctcccgaag	agatcttcca	ggccgaaaaa	240

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gggtcatcag caaatactgc tgattcagat gaaacccgga gcccaccaac tgaagctgtc 300
aatccactgc agaggtctct gagcttaaat ccttcacggc ggctggacgc cgacgaacag 360
ttcaagagca ttgacaaaca gtctgaagaa ctgcacgata aaatgcagac acgaccttta 420
tcttctcgct cccatgtctc cagctctcgt gcctcaagtc gtttcacgca gcgcaatccg 480
cgacatgtcg atctgtctgga agccttgctc tcgtcgcata gatatcaggt gcagatagca 540
aatgcactgt cgcgcactac tccttttaat gaagatatcg ccgagcgcaa tatgggtcga 600
ttccttcagg gtcagccgag gacgaagaat gtttattccc gtatcatctc agccctttat 660
caggaagatg tggcggacag gaacattgca aagaatcgaa tgaacaaacg cacaatatcc 720
cgaagcgcta gctctcgatc gcagcctgca gcagcagcac ctggtgaggt tactcaacgt 780
gaaatcgga gccagtcctt tacactggcc aatgagggca aaatcacgcc ggctggtca 840
cggccagggt cgagctcctc gtctcaacct cgttctttac gggctcacia gtcagcaccc 900
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tacttgagcg tccctccagc tcacaagcaa ggcgaccaat ggagcaacac accgctaccg 1020
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aggggcaact ctgaagtgc gagaagctcg ccgtcaacct gcagtaatgc ctcatctaca 1140
tccccagac tcaactccaa gaaaaatgtc cgggaccttt ccatcaacac ggagttagca 1200
gctcgaggaa aacctaaagt acggatctcg cactgtgcga tccagcctcc aactcctagc 1260
aatcatgatg tcaagcagaa tcttagcatt gccgaagtca tcaacagccc cctaccactc 1320
cgaaccccc cgttgatggt tccccggccc cctcaaacc aaaaagcgga ggtagtgggc 1380
atgtttaagc aggttttgaa ttctgcgca gtgactatct cgccccatcc cacctttgag 1440
actctacagg acgcgatagt tcgagagatt aactctcatg aagcttttcg acgtgttctt 1500
gttctgcggt ttcaagcagg ttctctcttt acccccgtcc catctcangg agtcttttga 1560

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<210> 12860

<211> 558

<212> DNA

<213> A.fumigatus

<400> 12860

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ttggagccat ctaatcaaca cattatctct ttaccactat tattaataat gccactatcc 120
aaagagaatc gaatgcagat ggccatatca gcatataaaa aggggcaatt caaatcaaaa 180
gcagccgctg ctaaggtctt tggggtgtct agagagacct ttcgtgatcg gcttcgcgga 240
atcaaaccac gcgcagagac acgcgctaag agccataagt taacagctct tgaagaggag 300
gcccttgcta agcgtctatt agatgctgat aggcgtggct tttcaattcg accgcagttc 360
ctgctgggaa tggcacatat tctactatgt gcacggacaa atgatccaac ttcagtcatt 420
ggagtcaact gggcatataa gtttattaaa cgccatccag cactgcgtac aaggtataat 480
cggaggatct cataccagcg ggcaacgcag gcagatcggt ttcacacacg acagctggcc 540
aggatccaac gctgcagg

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<210> 12861

<211> 192

<212> DNA

<213> A.fumigatus

<400> 12861

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ctgctccaat gtatgtacct aagctcttgt ggtctcatga atgatccac tctgattcac 60
cgctctgtgg cgctgggtga ggttcggtt caggtcgatg ccacctgtt gcggtcgggc 120
atgacaattg cttaacccta ccgaatggag aattttggtg aaatgacact atcttgcgat 180
ctactcgagt aa

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<210> 12862

<211> 276

<212> DNA

<213> A.fumigatus

<400> 12862

cccaagtctt	ccgtcgggtg	catcatctac	aaggttgtcg	gcaaccgcta	cattgagaag	60
cgcatacaag	tccgcatcga	gcacgtcaag	cactcccgct	cccgtgagga	cttcatcaag	120
cgtgtcaagg	agaacgccgc	caagaagcgc	caggccaagg	agcaggggcat	ccacctccac	180
ctgaagagac	agcctgccat	gccccgtgag	ggccacgttg	tcgagggtgt	tgccgctgag	240
accatcaccc	ccatccctta	cgacacccac	atctaa			276

<210> 12863

<211> 639

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (607)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12863

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atcaaacaga	cgatgcgccca	cgagggcatt	cgaggcttgt	acaagggact	ttctgcatca	180
tacctcggtg	tgactgagtc	aactctgcaa	tgggtgatgt	acgaacaaat	gaagatgtac	240
ttagcccgaa	gggaagcagc	caagcgtgct	gatcccaatc	acatatacaa	tgtctgggac	300
gatgttgagt	tgtgggggtg	tcgaatctgc	tcccgcgggc	atggcgaaac	tgattgctgc	360
ggccgccacg	tacccccacg	aagttgtccg	aacgaggctg	aggcaagccc	ccactgtatc	420
tgtgggggat	ggcaaagtcc	aaatgaaata	caccggctct	gtgcagtgct	tcaagactgt	480
gtggaaggag	gagggcatgg	tcggattgta	tggcggtctc	acaccgcatt	tgctacgtgt	540
ggttccatca	gccgccatca	tgttcggaat	gtgagtatct	ttgttcctgc	ttgtacagat	600
gaccagnctc	ctgatatcat	cggctctaggt	acgagggtga			639

<210> 12864

<211> 330

<212> DNA

<213> A.fumigatus

<400> 12864

cccgaaggga	agcagccaag	cgtgctgata	ccaatcacat	atacaatgtc	tgggacgatg	60
ttgagttgtg	gggtgggtcga	atctgctccc	gcgggcatgg	cgaaactgat	tgctgcggcc	120
gccacgtacc	cccacgaagt	tgtccgaacg	aggctgaggc	aagccccac	tgtatctgtg	180
ggggatggca	aagttcaaata	gaaatacacc	ggtcttgtgc	agtgtctcaa	gactgtgtgg	240
aaggaggagg	gcatgggtcg	attgtatggc	ggtctcacac	cgcatttgct	acgtgtggtt	300
ccatcagccg	ccatcatggt	cggaatgtga				330

<210> 12865

<211> 462

<212> DNA

<213> A.fumigatus

<400> 12865

attcacagaa	ttgggtggaat	gaccgccgcg	actcttacct	ctctctcttga	tgtcctgaaa	60
acccggttac	agtcggactt	ctatcaagcc	cagctcaaata	ctcttcgggc	cgctcaccca	120
ttgccaccat	ctaactcact	tgcttcactt	ccacggaccg	ctatgatgca	cttttagcgaa	180
acgttccaga	tcttgcgctc	gatacatgtc	catgagggtc	ggcgcgcact	gtttaagggc	240
cttgggcccc	atctcattgg	cgttggttccg	gcgcgtgcca	ttaacttcta	cgtttatgga	300
aacggaaagc	ggatactcag	cgactacttt	caatatcacg	attctaagga	gacgcccgtc	360
gggatccatc	tgacggcgcc	cgccatagca	ggaatcgccc	acgggaacgg	ccaccaaccc	420

aatctggctg gtgaagacac gcttacaact agacaagtct aa

462

<210> 12866

<211> 726

<212> DNA

<213> A.fumigatus

<400> 12866

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tatgacgcag	gcattgtaac	atttcctgac	aataccacaa	tcttcgccgc	aaacattaca	120
accgatgacc	aaattgtgga	tgacctggac	gtccgtgtga	gagacgtatc	cttcgtcctc	180
gacgagctcc	accggccgtc	cgtcacttca	aagctcatcc	cagggtcaaac	atgtgggctc	240
gatacctcta	aagtgggaat	ctacggtcac	tcccttgagg	gcgccactgc	agcggaggct	300
atgctttctg	attctcgcct	caaagggggg	atcaacctgg	acggttcatt	tttcggctct	360
gttatccacc	ggggattgga	tggccggttc	atgataatgg	cacatgaagg	gaagaacctc	420
acaaccgatg	ccacttgggg	cgctctgtgg	ccaaagttga	aggggtaccg	gagacgattc	480
atgattaaag	gaagtacaca	tggcacattt	acggatttgg	cgcaggcggc	tgatatacct	540
ggtctgagag	aggagtttcc	gacccaggcg	gccgtattcc	tgggaagtat	tgagggggga	600
agagcccttc	aggtcattgc	tacttacact	agcagattct	ttgactttgt	tctgaagggg	660
aagaaggttg	agctattgga	gatgtccagt	aaggagttcc	ctgaggtgat	tgctggagaa	720
gattaa						726

<210> 12867

<211> 243

<212> DNA

<213> A.fumigatus

<400> 12867

ctcatacatt	gggttaccac	ctggtcgaac	caatacgcac	tgtgttcggt	ggaatgcgcg	60
gtgctactgg	ctaaatgggt	tgataaagtg	actgtgccga	atcccgatct	cgccttgac	120
gagcaagaaa	ccaagcttct	acaattcgtt	atggaaaggt	taatggaaac	accccatgg	180
accaatcgag	aatggttcct	gggacaacaa	taccgggctc	aattggcttg	ttcccccgtc	240
ttt						243

<210> 12868

<211> 210

<212> DNA

<213> A.fumigatus

<400> 12868

cgtcttctga	gacgtctgca	ggttggagag	aggcacaagg	cgcttcagcc	acataacgcac	60
atactctcac	cgcgatggaa	aatgggtcaag	gctgcccgga	ctttccaatg	ccagcgatgt	120
tctcggacgt	ttgctcgggt	ggagcatctc	cagcgccacg	atcgggtccc	tgagtcgcat	180
ccccgatccc	ctcttctcca	aatcctctga				210

<210> 12869

<211> 1698

<212> DNA

<213> A.fumigatus

<400> 12869

gtgttttagg	atctcttgac	ccgccatgag	cgattgtccc	acagctcgcc	gtccggtaac	60
cacgacaccg	agaatggcga	ccatccaaca	cccgccccat	cagcccctga	ccatgtgttg	120
gatgggctga	atatccttgc	atccgccgtg	gcggatcgta	ccgtgaccac	tcctactcgg	180
ggacctcttc	gcggcccgtt	tcagcatcca	ctctcggcca	gccaaaggtac	attctcttcc	240
ggccggcccg	caaccgcgga	tcagacgcct	ctcgccggcc	atcctataca	atcagcgcat	300

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tcccccgcca ctgccgaagc gactgttttc ggtgaaactt tgtccggata cactacgtcc 360
aacgcatacg acgggtgacga cttcacgtct ttccttgaca gcattccgct tcccagccac 420
ccttactcgc ctacatatca gcccttgcca gtatttcctg cctggaaactt cgattcgact 480
tccgattacg ataattcagt tgtccgaaca ggcacagcgg acgcagcagt aacgccctcg 540
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acctcccata gagcgcgaca gccgaagggg gccatttttg tcacaacaca gtgtcgcgac 660
aaaataaattg cgcagctcgc tgattacgcc aacgtccttc cagatcctta catcccgtct 720
cgacacgctc tgtcccgatg ccttacaggg tatctgtctg gatcacga ccattaccca 780
ttcatgcaca tccccacttt ggacattgaa catgtgagct tgcaactgtt tctttccatg 840
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atccctcgaa caagcgttag aacaatgggtg ccaatgctgg gacgcgaacc aggaatcctc 1620
gatcgatcca ttcaaccctc atgggcccgt ctctttcacc tccaccgcc tcttcgtct 1680
cgcatacatc cgtcttaa
1698

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<210> 12870

<211> 741

<212> DNA

<213> A.fumigatus

<400> 12870

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aaaggacctc actcattgcc ttctgctatc ttaatatcct caccattgtc ttcgatatca 60
caccgctcat cctcaccgag ggaaatcagt atggatcttc catgcagcga aaaggaatgg 120
catgtcccca atgcccgttc ttggatgcaa gaacgcagtc agacatcgcc ggaaccaaag 180
ctacaagacg cgctctcgtc gcttttcaact catcctacca caccaaagac aaacatggag 240
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ctcgcataca tccgtcttaa tgcggacttc acatccgcac ggcgtctgca gacctgggac 540
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acacgggccg ccttgcatgg cgctcatgcc ctgagcacac ctatcaagct ggggatcaac 660
tacgtagctc atacattggg ttaccacctg gtcgaaccaa tacgcactgt gttcgttgga 720
atgcgcggtg ctactggcta a
741

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<210> 12871

<211> 246

<212> DNA

<213> A.fumigatus

<400> 12871

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acacttagta tactcccttc ttccgacctc ctcgaggctc aatgcagtac ttacttgcca 60
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gtcagaggat ttggagaaga ggggatcggg gatgcgactc acgggaccga tcgtggcgct 180
ggagatgctc caaccgagca aacgtccgag aacatcgctg gcattggaaa gtccggggcg 240
ccttga
246

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<210> 12872
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 12872
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 caaggcacca tggtcgcttt atcaaggcgg gagatggaaa ttgaggaata ttacaagctt 120
 gttgcgacag gtcttggttg cctggaggca gtattaaagg tttggattgc ctcttcccc 180
 ggttacaaca attgcttcgc cagtctgtgg agcattcaag ttaatttcgg tgetaccctt 240
 tag 243

<210> 12873
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 12873
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 cttatgtag 189

<210> 12874
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 12874
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 ggcgatctga tggaggcctt cgatgccgat cagactcgcg acgcggcccg cacggaagct 180
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<210> 12875
 <211> 333
 <212> DNA
 <213> A.fumigatus

<400> 12875
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 ctgcaggccg cggcggactt cttcaaccgg gtgtttgccg cgcatagccg tgtgcagccg 180
 gccacctcg tcgtcggggc tggatgcagc tcgttgctgg agaactctgt gtatgacatc 240
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 tttcgttggc accgcattga tggctcttagc tga 333

<210> 12876
 <211> 891
 <212> DNA
 <213> A.fumigatus

<400> 12876
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4001

tatattgaag	cgtacgaacg	ggctctgcgt	caggccccct	gccgcatcaa	ggccatcctc	180
gtgtgtaacc	cgcacaatcc	atgcggggcac	atctaccac	cgagagtaat	ccaggccttg	240
cttcaattcg	cccaacggca	tgatctattc	tacatctccg	atgagatcta	cgccctctcc	300
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gtagacctgg	cgcgcgtatt	caccctgtac	agtatcagca	aagacctcgg	cagtagcgga	420
ttgcgactgg	tatactgtct	tatctcctcc	gactctcaag	gcctccgcag	aactgacact	480
gtgcagggtc	tcggcatcac	ccaagcacat	cccgacctgc	gtctctccct	cgccatctcg	540
aaccattccc	gcgtctcgac	attcacctcg	ctggtcac	ccgctctcct	gcacgacccg	600
gaagccgcca	cggcaatcct	gcaccagaat	cgagccgctc	tcgagcgag	cgccaagctc	660
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gtctggggcg	ggctcggatg	gagatcgctg	tcccggccgg	gtgatgagcc	cagctgggac	780
gaggaggccc	gtctgaacga	tcgattcgag	gcgccgggtg	tgtcggctcg	tcgaggacag	840
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<210> 12877

<211> 432

<212> DNA

<213> A.fumigatus

<400> 12877

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gactgggtata	ctgtcttatt	tctccgact	ctcaaggcct	ccgcagaact	gacactgtgc	120
agggtctcgg	catcacccaa	gcacatcccg	acctgcgtct	ctccctcgcc	atctcgaacc	180
attcccgctg	ctcgacattc	acctcgctgg	tcacacccgc	tctcctgcac	gacccggaag	240
ccgccacggc	aatcctgcac	cagaatcgag	ccgctctgca	gcgcagcgcc	aagctcatca	300
gcgactttct	cgccttccac	cagattccct	ttgtgccgcc	ggccgccgga	gtatacgtct	360
gggcgcggct	cggatggaga	tcgtcgtccc	ggccgggtga	tgagcccagc	tgggacgagg	420
aggcccgctc	ga					432

<210> 12878

<211> 234

<212> DNA

<213> A.fumigatus

<400> 12878

catgcaagaa	tgtctccgag	ccccatcgaa	gagcaggcaa	cgaggcttct	gaaagaggtg	60
cctctgatcg	acggccataa	tgactttcca	tacatgatac	gcggatgggt	ccgcaatgac	120
atcaatggcc	aggatgcca	tctgtatgat	atgccatcg	ggcagacgga	tctccagcgt	180
ctacagaagg	gactggtggg	tggccagtcc	tggagcgcat	ttgtgccttg	gtag	234

<210> 12879

<211> 621

<212> DNA

<213> A.fumigatus

<400> 12879

ttgacctctc	gcacacgtca	cacgaggccc	aaacacaggc	actgcggctt	tctcgggcac	60
cggtcattct	ctctcattct	tccatgtagg	tggcacacca	tgatcctaac	cgacaggagc	120
tcacaaccgg	acagatacag	tctccgtgca	cacgcccgc	acgtcacgga	cgaaaacctg	180
caactgctgc	atcgcaacag	aggcgtagtc	atgatctggt	tcttgcgcga	gctgctcgca	240
tcggaggctg	accagggcac	gctggcccat	gtcatcgatc	atatcatcta	cgctggcacg	300
cgaaatcgggt	acgagcacgt	cggtatcggt	tccgactttg	acgggatgct	ccgcggtccg	360
gatgggctgc	atgacgtctc	gtgctacctt	gccctgggtg	ctgggttgct	tgagcgcgga	420
gtatccgagg	aggacgtcaa	acgggtgatg	ggattgaacg	tcattcgcgt	gctggaggaa	480
gtggagcgtg	ttgcggcgaga	tcttcaaggg	gccggggaaa	aatgtctctg	tgacgaactc	540
gacgaagtgt	ggaacgagga	tatcaaggag	cagttgacgc	gggagcgaaa	acgggtgaag	600

JC542 U.S. PTO
09/417507



aagttggggc ctcaaaagta a

621

<210> 12880

<211> 537

<212> DNA

<213> A.fumigatus

<400> 12880

tatgcccac	gggcagacg	atctccagc	tctacagaag	ggactggtg	gtggccagtt	60
ctggagcgca	tttgtgcctt	ggtaggtgtc	taccccaata	ttggcacatc	gatcattgtg	120
ctaagtgaat	tcagcccca	gaaccccgac	aaggaggttg	gcagtctcga	ggccctccgc	180
cagacactcc	aacagctcga	cgtgatccac	agactgatcg	aaagacaccc	gacgatcctg	240
caattcgccg	actcagcggc	cagtatctgg	agcagcttcc	gtgcggggcg	cgtcgcgagt	300
ctgatcggca	tcgaaggcct	ccatcagatc	gccgacagcg	tcagcgcgct	gcgcattgctg	360
catcgactgg	gcgttcgcta	tgtgacgctg	acgcacaact	gtcacaatgc	gtttgcggac	420
gcggcgaccg	tatccctga	gctccacggc	ggactatccc	gcaaaggaga	gcggctgatt	480
cgcgagctca	accgcatggg	gatgtatgta	tctgcccgtg	gactgggata	cggatag	537

<210> 12881

<211> 255

<212> DNA

<213> A.fumigatus

<400> 12881

aagtacatac	tcgcgagcgc	tgtgatcacc	agacgagtga	ttgatgcac	aatcctggca	60
ttactggctc	tactgggggt	ggctgtgcac	cacctaggac	catcctacga	tatacttgct	120
ctggctgaga	ctcagtatat	atatgcaatt	aattactatg	tcgccgacat	gaacagtcca	180
catcatacca	ctcatggtac	taagcacatc	cggatcagtc	attccattcc	aattatgtac	240
gggaaacata	agtaa					255

<210> 12882

<211> 204

<212> DNA

<213> A.fumigatus

<400> 12882

tcacagcgct	cgcgagtatg	tacttttatt	attattgccc	atgtagcata	taccaatgtc	60
ccctctttat	ccattccaa	ccccaaaat	gagaagcccc	cgtccagtc	gtgtcctttc	120
ccgcagtc	taattcttcc	ttctcatgcc	atcatggtct	cgtgcgactt	ccccttcttc	180
ggtcgctcca	agctcgttca	gtaa				204

<210> 12883

<211> 330

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (156), (171), (192), (310)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12883

ggaagggcag	gtatttcg	tggatttgac	gaggaggtgc	tgacagtgtg	caggatgata	60
ggaatcgggt	tctcgagcaa	caaagcgtcc	gttgagaggc	tttcccggtg	ggagcaagaa	120
tcttgggcat	accacggtga	tgatggcaaa	tcatntttg	gggagaatca	nggacaagga	180
cgaccgtccg	gnccgacgtt	tgggtccaat	gatactggtg	ggtgtggcgg	taaatttggg	240

aaccggatgc gccttttttc accaagaatg gcggttttcc tggatatatgc gggccgccct 300
aatatcaggn ctatggtgac agaaaactga 330

<210> 12884

<211> 930

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (756),(860),(880)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12884

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gggccgtcgg atgccccctt cgtcactaaa agtaccgcc tggccgttgg cttttgctcc 60
atccagcgaa acgacgacag catgactgat gcgcctttgc ccccttccgg tggagctcga 120
cgagctcctc ctctgtcaac ttcattattcc ggtccaagca tctcatctgt tccacgccgt 180
tcttcctacg cctcggctct gtctgggact gctctctcgc caccaagcaa cagtagtcct 240
ccttcccacg ctcttatctc taactccacc acttcatacc cccacccta ctaccccgac 300
ggccgactac tgaggccttc ctccctccgc ttggatgcag atatgcagtt aaactcccc 360
tgaggagcga cgcctggcga ttcacttccct ccttattctc ggaagtgtgc caaccttct 420
cgatacgata cattatttca gaaccccggc agcttctccg atccctcatt atttactcca 480
tcctatctcc gcaactcccg atacatcgct cgcctcgagg ccgctcgccg aacaaagctc 540
gcttctcaac gagatgttcc accttccgct tctacttcaa accctctctc ggcttctct 600
agccatgcaa gcttgctcgc tatagctcct tcccatcggt ggatgacgta tgatatcatc 660
gaaagggaac cgccgagcga cgacgatcat ctcccaccac tccctcacg atggagcgac 720
aatgataaat actccggtat agagctcaca aacggngggc ttgagatccg gtatcccggc 780
ccggcaaaca agcacgatca tgaggctgcc gcagtcctgt ctgatcacc catgccccg 840
cagtgtggca tttattactn tgagatcacg attctatcan aacctaagga agggcaggta 900
tttcgcgtgg atttgaocgag gaggtgctga 930

```

<210> 12885

<211> 183

<212> DNA

<213> A.fumigatus

<400> 12885

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tatggacctg ggctgacctt ctcccttagc aactatagcc aagccaaggc aatctccttg 60
gtaattggca cagcagcaact gtccggtggt cttgaggcgt tgctgattct cacattgcga 120
gtatgtctgc ttgatgcacc tgttaaggct gcttcactgg aacagatcct taccattgtg 180
tag 183

```

<210> 12886

<211> 216

<212> DNA

<213> A.fumigatus

<400> 12886

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tggcgcggtc ccttccagcc ccgtggtgaa gactccactg cttcaaacia caagagcaag 60
caggaaaaga tggtggccaa aatgtttctc aggatgaggt cgtgggacgt ctctatctat 120
tcttctcttg taaagacagg taccgtttgg gcgcacttag atcgaggccc caccatctgg 180
caaccagaga agtccttcca ctcaggaacg agctga 216

```

<210> 12887

<211> 282

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (160)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12887

aaaaccctct	cagtacctgg	tggaacaagt	gttggagtg	ccggatttat	agtcactgaa	60
acccgactct	atacaagtat	ggctgacacg	gagcatgtca	ctgtggcgtc	caacattcta	120
ggaactatcg	gaacgggttc	ctgggtgcatt	cagctgacn	cgcaaataatg	gtataattgg	180
cgacagaaga	agacagacgg	cctgccaccg	tctatgatgt	ttctatgggc	ttcttgtacg	240
ctgcacttga	aattctgcgt	tcttccggag	ctcgatggct	ga		282

<210> 12888

<211> 246

<212> DNA

<213> *A.fumigatus*

<400> 12888

ggcgatagg	tcgtcctgga	agtcggcacc	tacgcgagcc	atatacgtctg	gcgctttcgc	60
taccggaac	tcgaaaaaga	agccaaaagct	gctggcgctca	gcattgatga	gatgctgaat	120
atgcgcggga	atgagactga	ctgggtgaat	gatgctgaga	agaggcctgg	cgataatgag	180
agtcagattg	ctgtggacca	acggcaagtt	tcagccgagg	ttgtagagca	gcctgaattg	240
aattag						246

<210> 12889

<211> 222

<212> DNA

<213> *A.fumigatus*

<400> 12889

acaataagga	tgcttcaacg	actaaaaaca	agtattgtta	gcatacctaaa	cggagcacga	60
aatcgtaata	gcagtatat	tgtttttgtt	tttgccggcc	ctgagaccga	cgggaaggag	120
gtgctttgcc	cccagccggg	cactgctaac	aaggagtcca	acctgctcg	ccactcctac	180
ccaagccccc	caggaccctc	agaaccgaca	atccacaagt	ga		222

<210> 12890

<211> 879

<212> DNA

<213> *A.fumigatus*

<400> 12890

atcaaccgcg	gatacctcca	gccccgtggt	gaagacagct	ggtggctggg	aacatatttt	60
gccttcgttt	acatctggct	attgggagtc	atcgccggta	tccaacgttc	agttacagct	120
gcaacagtga	gtcagtggta	ctttcaccgt	cttgcgagcc	cgaaacccac	gtctcggcag	180
atagtagagg	cggcttttgt	ccattctgtc	accacgttgt	tcggcacagt	ctgtttctct	240
aagctgatag	cattatctac	tcggctgcca	cttctgttac	taccaactcg	cctatctcgg	300
cttctgaatc	ttttcgtgta	ctcacttggt	ccttctcctc	tcgcggcgct	cacagaccct	360
cttactctca	cttacgccgc	tattcattcc	caaccgctca	tactatctgc	tcgtggcctc	420
cttgaatatg	agagtgtctc	acttgcgacg	gcggtgtcgt	cactccacat	gaggtcgact	480
tcttggtccc	atgcgggttc	tgcaccgctc	ctctcctacc	ggctttcgaa	gctctttctt	540
cacgctgctc	gcttcatgat	gtctttgaca	ctcggttttg	gaggatgggt	aagcgctgcc	600
cggaaacctg	aggttcccg	cccgggtaat	ggagttcatg	gcagtatgta	tgcctacgtg	660
gtcggctctca	ttgcaggaat	cattggctgg	agtatcctag	gagcggctga	aggcgctcatc	720
gcagatattg	tcgatgcctc	gttcatctgc	tggagtagtg	aagttgggac	tcgtgggtgga	780

4005

gaagcccggt attgcgcgaga agctggctgg cttttcggtg aacatttggc aaatgacctt	840
cgccatacat cccatacaca tcatcagcct gagccgtaa	879

<210> 12891
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 12891	
tcatcagcaa caaatgcgag aataaaacaa aggacagcct ctatcgccgt cacaactgca	60
agtttttcat cagcagcagt caccgcatct ttgttggtat gcctctctgc agcatgcttt	120
aactccctac ccaagttaca agtctctggt attcgtcctt ccaagctcga cgctcagagt	180
tccgggaccg agacacagga ttattag	207

<210> 12892
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 12892	
aagaaggcgt ggattggagc tgccgactgg atttatgaca agacgacaga ttatcatgct	60
atggctgcct ttcttcaaac cgtgactatc gtttccttcc tatttctggt ggctttttct	120
gatttgtcag tcagtcaatt caagccagcg ggcgttagac gagtccactt tcagtttgcg	180
ttgtgtcgtg ataccacagt ttggaactct ttccagaatt ag	222

<210> 12893
 <211> 804
 <212> DNA
 <213> A.fumigatus

<400> 12893	
aggccgaaga gatcggaccg tttgccagag tctctgggaa ctctacaat tagtcgttca	60
cgtcagtat ccgacatcta tgggtcctac cctgtggcgg cggtcagcc attaccgcc	120
actggttccct cccgctacca accagtgagc cagtatgctc caagcgcttc accagagcaa	180
cttcgtgcta gatcgtctat ggactcccag aggtcagcat cggtcgggta cccactagga	240
cagcgacgag gatctcagga gccttctaca ccggttgaca cgaacatggt tcacggaatg	300
ccaatgtatg gctctccacc ggttgcctggc taccagtcca cgctccaca atcatcctac	360
atgcctttgg cacctgttgc tgaggattcg gcatctggag ctcaacaaga atctttctcc	420
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ccatttggtc atcctttcga taccacagct gtgtctacga cgtctcaacc agatcagggc	540
ggatatatgc ctctaccag cagcggggcc tacgaacctc catcctttga gtctaataca	600
gagtctgcgg acggtgctca ggatgagctc actgaggagg acaagccgaa gaagaaatca	660
attatggacg aggacgacga cgaggatctt gcagcgcgtg cagctgccat tcagaaggca	720
gagagggcac gccgggaccg cgaagctgac gaggcgttcc gcaaagcggc cgaagcagat	780
ggtaagttcc aatgtagctg ttaa	804

<210> 12894
 <211> 588
 <212> DNA
 <213> A.fumigatus

<400> 12894	
ctgattttgtg tagccaagaa acccccgcgc gcaacaggga agaagggatg gttcagtgga	60
tggttcggag gcaagaaaga cgacaatagc ggcggtgggc caatccgtgc caaacttggg	120
gaggagaatt cattctacta tgacactgaa ctcaagaagt ggggttaacaa aaaggatccc	180
gggagtgtctg ctccaacacg tggaaacgca ccccccacga agggttcggc acctcccagt	240

agatcaatga	gcggcagtg	ggggccacca	cctgcaatgg	cgacacctcc	gccgacaggg	300
gcctcgaggaa	gcccggccatc	ctcttctgca	ggcgcaccta	cgtctgtgtc	tgctagccca	360
gctccccct	cgctcggagc	tccgccccct	gctatcccac	gatctgtgtc	aacaggcgca	420
gtcttgcgga	ctcccccgag	cagttcagcc	ggggcaccac	ccaggcccgc	aacgtcattg	480
agcaatgcca	gctcaataga	cgacttactc	ggagcaccgc	aggcgcgtaa	aggccctgca	540
gccagggggga	agaagaaagg	ccgctatgtc	gacgttatgg	cgaagtaa		588

<210> 12895

<211> 1968

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (158)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12895

aaaataaagg	gccttagcgg	ggtggacgta	tttggagaat	gtgcctccgg	taatttacc	60
gaacggcaat	cgccacccaa	aaatccatat	gctccttcog	catataccaa	tgaatttgcc	120
aatcgcgggg	ctcccgtgtc	taccgggtcca	cctatcngtg	gaatgactgg	agtcctgaat	180
tcttccactg	aggaatcccc	gtttgtccct	cctcgctgat	cccaaacaca	gtctcccagt	240
cagaccctca	gtcccagatt	gtccgttcca	tcgcttgacc	ctttccaacg	gcctgcttct	300
gtgcatgggt	cgacgtctcc	gacgcgaacg	gttaatcctt	acgccccagc	accagttccc	360
accacaacc	gtgcaccctc	tcaagtgttt	gagtttatcc	ctccaactga	tggaacaaca	420
ctcgactctc	tggaacggtg	gaagggtgca	cccattttca	agttcggggt	tggtggcgct	480
gtgatatctt	gcttcccaaa	gcataatccc	cgttactcgg	ctggacaggc	agccccgatg	540
atcaaactct	gtcctggtga	ggtccgaatc	agccagctga	atgactggct	tcccgcgtgt	600
gagggtattg	tgcaacatcc	aggtcctctg	aaaggcaagt	cgaagaagaa	agacctggtt	660
gcttggcttt	ctagcaaaat	cgcagctttc	gaaaacgcgg	atatccccga	cttcgatcgt	720
ctttcgccag	atgcttctaa	actccgtgag	gagaagaccc	tcttatggaa	ggtcatccga	780
gtcttggctg	agaatgacgg	agttctggaa	ggctccggtg	aggtccagaa	gtctttgctg	840
aacctactat	ttcccaactt	acaggattct	ggtccgaatc	aatcgcttgg	agatgttttt	900
acaccatctg	caactcttca	acccttgaac	gcgcctctc	aaccggatgc	tgtcgattct	960
cggtcggtag	atttactccg	tgatactctt	gtacttggag	aaagagagaa	agcagctctg	1020
gctgcagtag	acaaacgtct	ctggggccat	gctatgataa	tagcctcgag	aatggataga	1080
tcagtcctgg	aacaggttgt	ccaggagtcc	gtgaggcgag	aagtgagatc	agcgacaagc	1140
cgcaccgagt	ctctagcggc	gttctacgag	attctagccg	gaaatatoga	ggaaagcatt	1200
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catggcccg	ccaagaattc	tcttgatggc	cttgacagct	ggcgcgaaac	tgtgggacta	1320
gtactgagca	accgtagtcc	tgacgatcaa	cgagcgctgg	ttgctctcgg	cgcactgctt	1380
ctctcatata	accgtaccga	ggcgcgtcat	atttgtttca	ttctttctcg	cgtcgtgtgt	1440
ttcgggcggg	tcgatgacct	acaagcaa	atcgtgcttc	tcggagtggg	tcatcaacgc	1500
ttgtcgtcct	gcgctgctct	gtacaatgac	gattctattc	tgctcactga	ggcctatgaa	1560
tttgcgacat	ctgtgcttgc	gggctcgtcc	gtgtccacac	ttccgcactc	gctggcgctc	1620
aagctaattc	acgcttggtc	gcttgccggg	cgtggctcga	agtctgaagc	tcaacagtac	1680
tgcgacgcca	tcgcagccgc	tctaaaggca	accacaaagc	cgtccgggcta	tcacaatcag	1740
cacctgttct	tcggtgtgga	tgagctatcg	gcgcgcctta	gggaaacgac	cagcgatggc	1800
ggatcatcct	ggatttcaag	gcccagtatg	gagaaggat	cgggctcgat	gtgggcaaag	1860
tttaatatgct	ttgttgctgg	agatgacagc	gatgcagctt	ccactggttc	agtgaaggcc	1920
gaagagatcg	gaccgtttgc	cagagtctct	gggaactcct	acaattag		1968

<210> 12896

<211> 246

<212> DNA

<213> A.fumigatus

<400> 12896

ccttcccaat	tctcttctct	tcccagcagc	cgagctacca	acgatgtcta	cacccaagca	60
tctactggga	agccccaccc	ttgggtctaga	cagacagata	tcaccgactc	cgagcctatc	120
cagatttcag	agttcagagc	gtggcaccga	ttttcattca	caatcttccg	caaccgcggg	180
ggagaatgta	tctacgtcat	gtctgtagta	acagcattaa	aagcgaccga	ggtgaatcgc	240
atttga						246

<210> 12897

<211> 291

<212> DNA

<213> *A.fumigatus*

<400> 12897

caatgtctga	aagtaagcat	ctccgcacgg	ctcatagtat	gccccgctga	tgttgaagac	60
acacatacct	ctcaccacac	cggattcatg	gaccggatgt	tccatgacag	acaagatgac	120
aacaaacaag	agcaaaatga	gcaacatgac	cagccgcccg	aggttcagcc	tcagcagggc	180
acccaaccta	ttccaccggt	ccaggaacgc	gaagggaaaa	gcgtcgagga	ctacgtggac	240
gaagagcgaa	agctactgca	gggggggagac	acatacagtg	gactcatgta	g	291

<210> 12898

<211> 243

<212> DNA

<213> *A.fumigatus*

<400> 12898

caatgtcatc	atccgattga	gtggatcatt	atcagattgc	gccagacaag	attgagcaaa	60
caattccaaa	tcattttacat	tagtctgaag	acggatattg	cagtcacgag	tacttcccgc	120
cggccttttg	tcatecgcgac	ggtctacaca	tcagagattg	gtttttgcag	aggctggggc	180
aaggctatth	acaaccaatg	cttatcaata	tctggacagt	tcactcgtht	tcactcgtht	240
tag						243

<210> 12899

<211> 657

<212> DNA

<213> *A.fumigatus*

<400> 12899

cccaccatga	ttccttcgcc	cccggaaaga	ctacgacaac	ttagcctgct	cggtagcctc	60
tccctcacco	ttcctcgtcg	aagcggccgt	cccctccttc	ttcgctttct	caatctcctt	120
caggattggt	gcttccaacg	actcaggctt	ggtaatacta	gcccagcgcc	caacgacctt	180
cccctcggcg	gaaatcaaga	acttctcgaa	attccacttg	acgcgcttca	gccccataag	240
tccaggcatc	atctccttca	tccatgtcca	cacgggcgcc	gcattgtcgc	cgttgacatc	300
caacttgccc	aacacgggaa	agggtacgcc	gtagttgacc	tggcagaagg	actggatctc	360
gtcgttagag	ccgggggtctt	ggctgccaaa	ttggttgacg	gggaagccaa	gaatgggtgaa	420
gtcttcggga	tgcttggcct	tgatggactg	gtagagggtt	tcgaggcctt	taaattgagg	480
agtgaagccg	catttggagg	cggtgttgac	gacgaggacg	actttgcctt	tgagggaggc	540
gaggtcgaag	ggttcgccct	tctctgtagg	gggataggtc	agcaagacct	tgtcattggt	600
tttcacgggg	ttggggagagg	gagtcgcaaa	gacaaaacat	actgtcggca	ggcttaa	657

<210> 12900

<211> 255

<212> DNA

<213> *A.fumigatus*

<400> 12900


```
gcattcttct tcaataatgg ccttacgggg ctagggatac tgactccgga tcagtcccg 60
ctagcagtcac actcagtcac tcttggtgat tataaccgcc ctgttcagat cggtaaattt 120
atcaaggatc tgttcgctgg tttccagctg ctcaacttga aaaatgatat tctgcgaaaa 180
aggagtgatg ggattaagta cagcgtaagt cttttatact gtgtgggttct tgatcgtgta 240
tgctctgcta attag 255
```

<210> 12901

<211> 363

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1),(70)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12901

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nactcctcct tcagtgtccc tgtccatgta cacaccacta acaaaattca aatcaaaaga 60
acaatatccn tgcccctccc caacaaccgg ctgcctcctt ttgcgctcca agccatcgaa 120
gtcgagcccg aactatcccc ctttgtccgc cgcagtttcg ccttgaaatc tccagttcag 180
agctccaccg ccgacgagga tgaggcggtg aagacagttc ttgagacgac ctaccgcat 240
acaacgaatc gcatgctgct tgtggctgtt aacgggttca tggagagctt gggggtagtg 300
ctcggagtta tggaggagtt ggatgtggat gttctgaacg aggagattga ggaggagaaa 360
tga 363
```

<210> 12902

<211> 699

<212> DNA

<213> A.fumigatus

<400> 12902

```
acagactttc cagcactcga gcgccttccc ttctcatcag gacaatggcc tccgcgacga 60
cattctacga ttttaagcct gccgacagta tgttttgtct ttgcgactcc ctctcccaac 120
cccgtgaaaa acaatgacaa ggtcttgctg acctatcccc ctacagagaa gggcgaaccc 180
ttcgacctcg cctccctcaa aggcaaagtc gtctctgctg tcaacaccgc ctccaaatgc 240
ggcttcactc ctcaatttaa aggctcagag aacctctacc agtccatcaa ggccaagcat 300
cccgaagact tcaccattct tggcttcccc tgcaaccaat ttggcagcca agaccccggc 360
tctaacgacg agatccagtc cttctgccag gtcaactacg gcgtcacctt tcccggtgtg 420
ggcaagtttg atgtcaacgg cgacaatgcy gcgcccgtgt ggacatggat gaaggagatg 480
atgcctggac ttatggggct gaagcgcgtc aagtggattt tcgagaagtt cttgatttcc 540
gccgatggga aggtcgtttg gcgctgggct agtattacca agcctgagtc gttggaagca 600
acaatcctga aggagattga gaaagcgaag aaggagggga cggccgcttc gacgaggaag 660
ggtgagggag aggctaccga gcaggctaag ttgtcgtag 699
```

<210> 12903

<211> 609

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (532)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12903

```
ctttctctgc actccacttg ccaactccac ttcttaatca tgggtgatga cctcgaggct 60
```

```

agcaaactcct cccctggatcg gaaagagttc ccatctgcgg aacatgtcga aggaactacc 120
gtcgggtatcg ttcgtgcggg agaccctcac cagctcgaat ccctgcctta tggtcctagc 180
ggattcaagg gcatttttcag ctccaagtat gtctttggcg cagctttcct ggcctccatg 240
ggtgggttct ccatgggata cgacatgggc gttatctcca ttatcaactc gatggacaag 300
tttcacgcgg cgtatccgcg ggccgaaagc gcctttggca agggattcat gacggggatg 360
ttgctgttgg gtgcatttgt tggctgtatc ttcattgccat atctggcgga tcggatttct 420
cgcaaattgg cgctcacggc tatgggtcat gtcttcaact ttggagccat tcttcagacg 480
ggcgctacca actacgacat gcttgttgcg ggccgcttta tccgaaggat cngggttggg 540
acattggcaa tgggtatactt tctactcaat cggcagtggt tccaccacaa attaatgggt 600
caatttttag                                     609

```

<210> 12904

<211> 972

<212> DNA

<213> A.fumigatus

<400> 12904

```

ggcgcacctc tctatatctc cgaagtctcg ccaccgcaca tgcgaggcac gctcctcgtc 60
ctggaatcca tctccatcac cctggggagtc gtcgttgcggt ttacatcac ttacggcacc 120
cgacacatgg ccacggaagc ctggtttccga ctcccccttg gtctgcagat ggtgaccgca 180
acgatacttg gtgcgggcat tcactttctc ccgtactctc cccggtgggt tgctttggtc 240
aaccgccagg atgactgcat gtctagcctg tgtaaaactga gaggtctcac gagcagcgat 300
gaacgagttc aattggagta tcagcaaata atcgccgaga tcaacttcca aagagccgtc 360
ctggccaaga agcaccctgg tgcgtccggc accaagctcg aagtctctct ctggatggac 420
ctcttcaccc ggaaattgtg gaaacgcacc gctgtcggcg tgggtgtcgc gttcttccag 480
cagttctcgg gcattaacgc gtttatctac tacgcgccaa cgctgttcga atcgctcggc 540
caaacagcgg agacgtcact cattctctcc ggtgtcttca acgttctcca acttatcgca 600
gccattgtct gtttctctcg catcgagaaa gtaggcggac gccccctcgc tatcttcggc 660
ggctttggta ctgcagtggc gtatatcatc atcgcggtcc ttctgggtct ttactcaacc 720
tcctgggctt cgcactcggc cgctggctgg ggctgcgtcg ccattggctt catctttatc 780
cttatctacg gagtcaccta ttccccgctg ggttggggcc ttccctcggg aggggtttct 840
cgactacgtc gcggtctaaa ggtgtcgtct tcgccacgtg caccatctgg ctgtcagatt 900
tcattgttgg cgttgtcaca cctgccatgc tggccgatat cggttaccga acgtacatct 960
tctttgccgt ga                                     972

```

<210> 12905

<211> 213

<212> DNA

<213> A.fumigatus

<400> 12905

```

gatgttagcc atagtataaa gaaagtatat aacattatct atggatctat ctgtccacaa 60
agaagtaagc gtgcactaag catgcataac tttctcttct ctctatctcg cttcccattt 120
cttgcaactc gttccgactc tgtctcagga atcacattca ctattgcctt tgtcattccg 180
actttgacca agtccttctg tttctggatc taa                                     213

```

<210> 12906

<211> 627

<212> DNA

<213> A.fumigatus

<400> 12906

```

cgcgtttata tactacgcgc caacgctggt cgaatcgctc ggccaaacag cggagacgtc 60
actcattctc tccggtgtct tcaacgttct ccaacttata gcagccattg tctgtttcct 120
cgtcacgcag aaagtaggcc gacgccccct cgctatcttc ggcggttttg gtactgcagt 180
ggcgatatat atcatcgcgg tccttttcggg tctttactca acctcctggg cttcgcactc 240

```

ggccgctggc	tggggctgcg	tcgccatggc	tttcatcttt	atccttatct	acggagtcac	300
ctattccccg	ctgggttggg	ccctttccct	cggagggttt	tctcgactac	gtcgcggtct	360
aaaggtgtcg	ctctcgccac	gtgcaccatc	tggctgtcag	atttcattgt	tggcgttgtc	420
acaccgtcca	tgctggccga	tatcggttac	cgaacgtaca	tcttctttgc	cgtgatgtgc	480
tcgctggcgg	gtatctgggc	gtttttccta	gttctgaaa	cgggtggaaa	gtcactcgaa	540
gagatcgacg	agctatttgg	cgattccagc	gcgaggggaag	agtgggaact	tgctcaagaa	600
gcaatcatga	ctggaagtac	caaatag				627

<210> 12907

<211> 237

<212> DNA

<213> A.fumigatus

<400> 12907

cttacttctg	taggtattct	atacggcaaa	ccttctgtta	ttcgctggtc	atggtttagt	60
gaagagatca	gtttgcagtc	ttttacgact	cagccgaaaa	aaggtgtatc	tgcttgcttg	120
cagaatcagc	cttcataatc	cgactctctg	gtgcatcgct	tccattatgg	cattagcctt	180
gagctgcccc	gcgagatatc	tgtggtcccc	ggaaaattca	ctaacgtaat	cttgtaa	237

<210> 12908

<211> 228

<212> DNA

<213> A.fumigatus

<400> 12908

gttatacccc	tgctccccgc	tgaattttca	cgcttccatt	ggagatactg	gagccacggg	60
gaaaccaaga	acaccgaaga	caccatgcat	cgcacaatgt	ccaccttgga	aatcaagctc	120
gtcgagccgg	gtgacatttc	ggcaaatact	gagctctggg	atatcaccca	tctcgcagaa	180
tctgaagatg	tttccagata	caccaggagt	ccagcagtg	tggaataa		228

<210> 12909

<211> 2112

<212> DNA

<213> A.fumigatus

<400> 12909

ccccagcac	tgccaattgc	gacgccgagt	tcaccacgca	gccgctcaag	cgtatgctc	60
ggagcttgtc	ccatgagtta	cgaacgccaa	tgcaggaggt	tgtgggaatg	ctggatgtca	120
tgcacgccac	cgtacgagag	gccttgacag	caaaatcttc	tgcaaaaaat	caatctgtct	180
ttcaatctct	caaggaaagc	attgagatgg	ttcaagggtta	gttgccatga	aacatccttc	240
ccgaccaagc	cgctaattga	aaccgaatca	cagacagtgc	aatacggggc	gttgaggccg	300
catataacgt	cgtccatgcc	tacgatctca	atatgcaagt	tcccaaaaaca	ccccaacggg	360
gagcggggaga	gcgatccgtt	tagtggcctt	gtccagtccc	cgattgaaag	tctgccaaac	420
atcttccacc	gaaggcacca	accccatata	agcggcgggc	gagcaatccc	gctgactgaa	480
gcgaagcatc	gacctcaaaa	ggctaaagcg	caacgcagct	cggccaggaa	agagctgtcc	540
cccgcgggag	tgaggacggt	caagaatccc	gtccacgaga	gtgagcaaat	cgttcacgca	600
aattcttctc	atcacttctga	taaggtcatg	gcagacatgg	tggaggttcg	tccccggtta	660
gctgtgagga	gatcagcatc	ccatctgctg	ctagaaggca	tcaatctgaa	tatgagaagc	720
ccctctctga	gggtcaccaa	gattcgtgac	ctgcttcgac	tggtgataaa	cgaatcgctc	780
catgtcggcg	gccgacctga	ttttagctctg	agcgaggcta	cggagctagg	agagagaatc	840
gaggttcgga	cccgcgtc	caacggggaa	attttctgca	agactatcgt	gtggagcgtc	900
gatgaagcgc	taccggaaac	tttgctgggtg	gatgacaaag	acctggcaaa	gttgatctcg	960
tgctcttttc	taaacgcagt	gaagttcaca	aatagtggta	tgattacagt	cagcgcaaaag	1020
gttggttcca	atatcggtga	agtctttatc	actgtgcgag	atactggacc	aggtataaccg	1080
gaggcatttt	tgcccaagct	ctttcaacct	tttgccagag	gagatgcgtc	aatcactcgg	1140
agcaaggacg	gccttggtct	tggacttctg	gtcgcctaagg	gtcttgctag	gaagatgggt	1200

ggtgacttga	tctgcgttcg	ctcgtctacc	tctggggccc	atcatggctc	ggaattcgaa	1260
attagtatcc	ctgtcactca	atccaagtca	agcaacaagc	cggtagcttg	catgacaagt	1320
agtttgactc	ctgacggcag	cggttcttca	cgattgggta	cgacgagtag	ctcgagcaat	1380
tcccgcctcg	aacagttccat	gctatcacc	ttgatccgcc	ggccgagccc	gccgattcaa	1440
cagccatccc	caagcttgac	cgaagaaatt	tctgtctcaga	catccactcc	cgttcgtctc	1500
gtctccaccg	caaaatttat	ccgcccttca	atcaacgggg	atgcgtatga	tgagaagctc	1560
ggacagaagc	acccgctcac	cttcttggtg	gctgaagaca	acatgataaa	tcgacggggt	1620
ctggtgaaca	tgctcaaacg	gcttggttac	caggatattt	atgaagcctg	taacggaaag	1680
gaagccgtgc	gtatcatgca	ggatgttttg	gcagcgagca	aacccaaagc	ttcgagtcgg	1740
ctctccgact	gtgatcagtt	gggagattgc	ggatgtaagc	gcatgaaacc	agtcgacgct	1800
gttctgatgg	acctctggat	gccggaaatg	gacggttatg	aggcaacgct	gaagatcctc	1860
agactggtag	atgattacca	gcgcgcgacc	cttcatgcac	aaccgagatc	tcaatccaat	1920
aatttactgc	tgccgctccc	cacagtgcct	gccgtcagtg	cagatgtaac	tgatgaggtc	1980
ctcggacgtg	cctccaaagt	cggcatcaaa	gggtacatga	ccaagcctta	taagctgtca	2040
gatctggaac	gattgatcgt	tgagttctgc	ggcgaggcga	cgagtccaac	tcttgaccgg	2100
atgaacatat	aa					2112

<210> 12910

<211> 222

<212> DNA

<213> A.fumigatus

<400> 12910

ttagcactac	ttacgcagac	acttggtacg	gagacactat	gtctacgagg	gggatggagg	60
atgaccagaa	gagacttctc	atacttccag	tctacttcc	atgatcccc	gatgaccatc	120
tgtaaaaaga	caactcctag	gactaaccag	tctgtctctc	ctcggactgg	acagatccat	180
ctctcctctc	aatcggcggg	tctagacaca	cggaaggct	ga		222

<210> 12911

<211> 1233

<212> DNA

<213> A.fumigatus

<400> 12911

cctacattgc	agatgtccaa	agacgtaact	ttctcccccg	tgctccactat	catcccacga	60
tctcctccga	acgatccac	aaacccttat	attcgacgcc	ggcgccgaca	gacagattcc	120
gcggtggttc	tgaaacgtac	cactcatggg	ccccagagag	accagcacc	cattctggct	180
cgacgatcta	ttgcgaatcc	tgattgggag	gcagactcga	ttccttcttc	tttctctccc	240
actatctctt	cagtctcgtc	caggttgagc	ctgacagggg	catcggcggg	tccaacaaag	300
actgaggact	ctcagaaacg	ccggcgagaca	gcacgccatg	acctagatga	tcgtcaacat	360
aaccaagact	ccggctacaa	gtctcatcgc	gacgaccaga	gtatcgctag	aactaaagtt	420
ttcagccgtc	agaccattat	gtttgcggca	gcttcccgtg	acacggggcag	ggcagccacg	480
ctaatatccg	ctgggtcccag	tgctctccca	tcagtaccag	gaacaacaac	aacgacacca	540
gcaaactcga	cctcatcatc	agcatcgcat	ccttatccat	cttctgcttc	accacctcgt	600
ttaccacaaa	gtcgatttag	cttcgagtat	cagcctcccc	ggcacaagca	ggccctgccc	660
acctccgcta	gctttcccag	tgaaatcccc	tcagacactg	atccgactcc	gaacccccag	720
cgcgctttct	tgtacgacag	atctcggcgg	tcagtgtcaa	ccttcagtag	ctcccgtgtt	780
cgcaaatcaa	ccgcgcttgc	ttctccgtcc	caattgccgt	ccccgttata	aatctcagag	840
aagtctagcg	acttgccctc	accgttcgat	gccaactcga	tcgacaacgc	cctgagtttc	900
aatgcatcga	agcgtcgtcg	taaacaatcc	ttgtcacagt	ctcagcagga	aagccaggca	960
gatgtgaaga	ggaggatgcc	agtgtaaca	gcgacttacg	tcagggggag	cccacaggca	1020
agcgaccgcg	atcgcgcaat	ccacgactta	gaccagaccg	atcaagaaga	tggcgctaga	1080
acgccagtcg	cagaagattc	caaatccaag	aacgaggaca	tcttcttgaa	tattgcccga	1140
tcagactcaa	agcggcgcg	ctctttgggg	cgctcagaac	atagacgggt	gagtgacaac	1200
ctgtgttcga	cgacgatcat	gacactcttg	taa			1233

<210> 12912

<211> 300

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (293), (294), (295)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12912

tcgcggccttg	ggttgtctaa	tggtcacctt	cgttcaccca	attctcgatt	aatgaacag	60
acgtcttccc	ctggtcaatt	acggttgagc	acttacgaca	cccccttgca	ctccctcaac	120
aattcccat	caaaccctta	cagcgccctt	ccttactcct	actcggcctc	cgctcatccc	180
cttgatgacc	atccccgcctc	cgcacattcc	gtagtagggt	cgagttcgag	gtccactctt	240
ggcatatcgg	tcttcaccac	ggggatggaa	gaatcgacgc	tcaacgctca	aannngacgc	300

<210> 12913

<211> 627

<212> DNA

<213> *A.fumigatus*

<400> 12913

agaccgcct	ccacgcctcc	catcccagca	cgcaaccact	cccccgctat	attgatcttg	60
accttcttcc	cttccctcga	cgaagccttc	ttcttcttct	ttttcggtgc	atccacatcc	120
accccccaacc	gatactccca	atacgctccc	acccgcctag	gctcaacacc	cagcaccacc	180
ggcgcaccc	ccgcctcggc	tccctcccca	gcctgtccca	gcgcatgcaa	aacagcatac	240
aacatccct	caaacacacc	caccgcgagc	gtccactcct	gactgcact	gcccccgcca	300
gagcgaaacc	gctgcctctc	gatgagtaca	tggctggggc	ggtacgcgtg	cagcaagcgc	360
gtgacgagcg	cgtacgccgt	gcgcgcatac	tccgatgggg	agaatgtatg	tttctctttc	420
tctttccttt	tcacgttcgc	tttccctgtg	agcttcgatg	cattcgacgc	acgtcccccc	480
tggatcttcc	ccaggggaatc	aggggctagg	tcaagtaatg	catccgagac	ggctagccgg	540
cgccatgcgt	ttagcttcac	tacggtcccg	gcggtcgctg	tatggctatc	gcgcgggacc	600
agaagatgcg	cgtatgcgag	gttctga				627

<210> 12914

<211> 429

<212> DNA

<213> *A.fumigatus*

<400> 12914

tgcccacaca	ctgtaaggaa	accgattgaa	ggactggaat	cgaagatgga	agcattgtcg	60
ccgcgatcga	cgaatcactt	gatcaggcct	aaaatcagca	tggagcgaaa	agtcctggat	120
aagaatgccg	ccgccgccgc	cgcagcgcaa	aaagccgctt	cgtcgaaaat	ccatgcgcct	180
cctccaccat	cactggttat	agagcctgcg	gaaggggggtg	agcgctattc	tactggcgct	240
ttccttgga	aaggaggttt	cgcaatctgc	tacgaaggaa	cgctattgcg	gaatggacga	300
gtctttgcaa	tgaagtgggt	gaggtctgag	atggggcaga	aaaaaatgca	agagaaggta	360
tgtctcgagt	cgcactctgc	cacattggcg	tgcttttatc	agccccggttc	taacccaaaac	420
actctgtag						429

<210> 12915

<211> 447

<212> DNA

<213> *A.fumigatus*

<400> 12915

tttcgaaccg	aacttcaa	acattcgaaa	atgcgtcatc	cccacatcgt	tgaattccat	60
cgcgctttg	catttgacaa	atgtatctat	gtggtcctgg	agctgtgtcc	aaacggttca	120
gtaatggaca	tgggtgaggaa	aaggaaatgc	ctgagcttgc	cggaagtgcg	acgattcatg	180
atacagcttt	gcggtgccgt	caagtatctc	cacaagagga	gcgttgcgca	tcgtgacctg	240
aaaatgggaa	acttgttctt	ggatcgtaat	atggacatca	aagtgggaga	ttttggactg	300
gcagcgatga	ttatttctga	aaaggacgag	aagcggagga	aaacactctg	tggaacaccg	360
aactatattg	ctccagaggt	ccttgataag	agtaaggggtg	gtcatacca	gaaggtagat	420
atctggtcat	tgggtataat	atggtaa				447

<210> 12916

<211> 1617

<212> DNA

<213> A.fumigatus

<400> 12916

agccatgaca	cgcaaagggc	tcccactaac	aaatactttc	gaagctttgc	gatgcttacc	60
ggctatccgc	cttttcaatc	taaaacacag	gaggaaatat	acaagaaagt	caggaatttg	120
agttatgtgt	ggcccagcgg	cactcagtgc	gogaatcaca	ttcccgcaga	ggccaaatcg	180
ctggtcagct	cttgtctcaa	tctctcagag	aacgagcggc	ctgacccaga	cgacattgtc	240
gaacatccat	tcttcaatat	gtatgatgga	tgtatccctc	gtcgactgga	cccgacttgc	300
actgtttcga	cgccgatctg	gctcaggtcg	gatgagcctc	gtgggtgatcg	catgatgctc	360
ggtcatagcc	tggagtacga	cgagaagctg	gcagggttaca	tagagcaagt	tgatgatccg	420
acacagcgat	acctcatctg	ccggacggct	ttctacagtc	tctgcccagc	cggacgtaaa	480
ccagatggga	cagttcgcaa	gtgtgttggc	aagaactgtt	cgaaatctgc	atctgcccag	540
tgtgtatctg	aggaggaaaa	ggggatgcag	ccagtcatgc	cgctgcccgga	agacatggtc	600
tacagatacc	ctagtgacct	agatggggac	tggagcacgc	ccagtcctgg	tcttgccactt	660
agcaaggatg	attcgctact	ggacggtata	aggtcttctg	gtaagcgcac	tgtatccatg	720
cgcagtaatt	ctacgtctct	ttccagaacc	caagctgctc	ttgccgcagc	ccagcaacga	780
cggaaagaac	cgcagagcca	tgctgcaacg	cttcgccaac	aggcaatggg	tgctcgaagc	840
tcggtcagga	agattgcagc	tatctgcgat	ccaccagcag	tagtagaacc	agattctgct	900
gctcctgtca	tgccaaccgg	gggactcgcg	gaaagacca	tacgtgcacg	acgcccagtg	960
gcagtctcgt	actcaggttc	aacgcgtgac	ttagacagaa	ggattgtgcc	atctaccagt	1020
gaccctggga	tgctgacagt	gggtaaaaca	cggtcgagc	ctcgacgact	tggagcggaa	1080
agcaacgagg	caggttccgc	tcttgccgtc	atcaaagagc	ggctctgttc	ctcagcgttg	1140
gacaatctac	ctaccaagtt	acgccaaagc	tctgcagctt	cagtcgcgag	ggaagaagct	1200
ctccaatctt	ccaagcggca	cgagctagaa	gcagaagaag	aagtcaaggc	gaggggaagtg	1260
ccaagcggag	atggccgtct	gcgaacagaa	gccgctgtaa	gccgttccag	taacaaaaca	1320
gcttccacgt	caagcagtaa	gcgctcgaca	ttaggtctgt	atccactcct	tcattccagac	1380
gatcactgtg	agatgatgcc	aaggacgtct	ctcgaggacg	tcaaacagga	tctccgactg	1440
atgctttcta	acctgggtcc	tccgggtatct	ggccgccggc	gcgtaagctc	gagaaggacg	1500
ccccatgcat	acgtcatcaa	atgggtagac	tacactatcc	gttatggcat	tgggtatggt	1560
ctagatgacg	gtagtgtggg	atcttcacgc	cgggctggaa	gcaaacgcgc	tgccgggg	1617

<210> 12917

<211> 186

<212> DNA

<213> A.fumigatus

<400> 12917

aagtgccttt	ggctatcagt	catcatcaac	tgcagcagta	gcctggacgt	ttactcaatt	60
caaccgctga	agtgatttga	gagctgtcaa	gatgtctctg	accttgaagc	tctcttctct	120
cgtgattcgc	actctatcaa	agccgatcgc	agtatgcttc	aaccctcaa	cccctccatt	180
tcttaa						186

<210> 12918

<211> 579

<212> DNA

<213> A.fumigatus

<400> 12918

gcagctggca	ctgatgataa	tgataagcct	acccccctg	ccatcagaga	acgtctcgtc	60
aaaatgcgcc	aaattgtaaa	ggcgtctggc	agcgggtggtt	tcaccattgg	cggcagcgac	120
acctccaccc	ctaagaaggc	caaaaagacc	gctactcccg	ttgagacccc	cggttccaag	180
cgggaagcgca	gtggaaaagc	cgggtacttct	gctgatgata	acgaaaacat	caccctctct	240
aaaaacgagg	agaatgcaac	cagtctagtc	aagatggaag	ccgctgagga	cgagattgac	300
acgcctacta	agaagaagcc	gtcccatccc	actctttcag	gaaaccaggt	ccaggtccaa	360
agtggcttcg	taaagaccga	ggaatctgat	gaagccgtct	ttggtattct	aaccactcct	420
actaagcggt	cccgcaaggc	gagcggttctt	cctgctggta	tggttaacta	cgaggacgac	480
gagcagggag	aagatgatcc	cgagagctct	gcttctgagt	tcttgcccga	tgaggcgggt	540
gtgaaaatgg	aagacatgga	cacgatgaat	tatgottga			579

<210> 12919

<211> 228

<212> DNA

<213> A.fumigatus

<400> 12919

ccccggttcc	gcttcaggtc	cttgctagcc	acagcccaca	gctacagcaa	cacagataaa	60
cagcccagct	ctttcagact	cgtctctcct	cttctttctca	ctacgccatc	attctcttac	120
tctacgtatc	ccacttcac	gaccagccct	ccaacgaagc	cttacggtga	tttagccaca	180
accacacttt	acaatcaaca	tattctcttg	aatctccaaa	aaatctga		228

<210> 12920

<211> 195

<212> DNA

<213> A.fumigatus

<400> 12920

cgtctcagaa	cggatccctag	ggctggcagc	gctaccaacg	gggattcctc	tactcttctc	60
actccggaga	aacgcaaacg	cggctgcgca	aagaaggacg	ccaacgggtga	tggcgagag	120
aaggacaagg	ccagccctaa	gaaagctaag	aaggctaaga	aagaggagaa	cggatctgct	180
gtcgacagcg	cttga					195

<210> 12921

<211> 1221

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (91), (121), (145)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12921

tcccaaggaa	cgatccaggg	ttctccactg	acaagcggaa	caagttcttc	ccccattcaa	60
tcgttaatag	ctttggcttt	tactatcatc	ntactcgcgc	aaccaaggcc	ggatcatgag	120
ncgatgggag	acgaggatag	catgnattca	tgctcagaaa	gacaggccta	tcaggatgtg	180
ccaatttcaa	atggagtcag	tctttcaggt	gtactgcctg	tgcgccggtc	tcctggtggt	240
catgcggggg	atatgatagg	atcgtcgagg	cacccatctg	ctaggtcggg	tcagcaagca	300
cagatcccg	agtcacaaaa	cttcgagatt	gtcctcgtta	cagataacga	gtcacggcgt	360
caggtccggc	gccatgcaat	gcccgaatat	atgcgtcagc	ggcgcttgga	cagcattgct	420
cgtctggaga	cgccctcgctt	gccaatgggt	ggttgggtca	accgccaggt	actatcgga	480

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gcttcatcat ccagcattcc accctctcca gttgaaatcc ctgtcaaaga cacttctcca 540
gaggaggaga agtcatctct agtaaaagat ggggagccat gcacccaggt aagttggaca 600
gggccactga tgcccttggc gtcgaaatca tccaaagtca aaactgaaga accgtcctct 660
ccttccttcc ccaacgttag ctatacacta tcagatcttc gttccagccc tggtcacggg 720
gccgtggagg atccatttag ctgttatcca atccctgtta gtcactctga ccatgagtta 780
attcaacact gtaagttctt ccttgggaagc ccgtattccc atacagatca cgccgatctt 840
gataccagtg caagaggggc gtctgccaga acaatcttga tctcgttgtc tggtggttta 900
cactgcaaag ttattgtgac atatccatcc atgatgaata aatttgccga ttccgtcgcg 960
aacaacccaa tgatggagat ttttcgacag cttgcgctgc acgacaatct ttcatccaa 1020
gcgatgcttg ctattgcctc aaagcaccga gctggagtgg aaggcaaggc ggactctggt 1080
caaagcctca ctcataagat gcgggcactt cgattaataa acgagcgaat acacaccgac 1140
tccaaggcc tgcaagatgg tacaatatac gccgtagcca caatggcagt tattgaggtg 1200
ataactttcc ctatgcattg a 1221

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<210> 12922

<211> 672

<212> DNA

<213> *A.fumigatus*

<400> 12922

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atagtcccc gtgataccttc cagccccgtg gtgaagacca acagggcgct cgagtacggc 60
gatgtgatca agcttgtagg cgtggctagg aacctcgatg acaacacggc tctgaggaag 120
ttcaagaact gggccgaaga ggctcacgac gtgccactga tcgcatcaa catgggagggc 180
aacgggcaac tgagtgcgat cttgaatgga ttcattgacac cagtatcgca tctgtctctc 240
ccgttcaggg ctgtccagg ccagctgtct ggcaccgata ttcgcaaggg cctgtcactg 300
atgggcgaga tcaagaagaa gcgctttgcc ctctttggaa gccctatttc cgagtcccg 360
tcgccggcac tgcacaacac tcttttcgcc gagatgggac ttcccatga gtacaccgg 420
ttggagactg ccaatgtgga agatgtcaag gacttcatcc gcgctccga cttcgaggga 480
gcctcggtga cgattcctct gaaactggat atcatgcccc tacttgatga gattactgcg 540
gaggccgaga tcattggtgc cgtgaacacc gtcgtgccag tttccgatgg tgagggcaag 600
ccgcagcggc tggtcggtca caacacggaa tggcagggca tggtccaatc cattcgaaag 660
cgggccccct ag 672

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<210> 12923

<211> 675

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (134), (138), (142)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12923

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gggcaagccg cagcggctgg tcggtcacaa cacggaatgg cagggcatgt tccaatccat 60
tcgaaagcgg gccccttagg aacggacgtc agcgccagtg catttgtgtt tgttggcgga 120
ggcacatccc gggntgcnat tnacgtctc caccagatgg gtttctctcc cattaacatt 180
gtgggacgga accctgccaa gctggagagt atggtctcca ccttccccac cagtacaac 240
atccaaatcg tcgagggcaa cgagaaactg gagcatgttc cccatgtggc aatcggcacc 300
atccccgcgg accggcccat cgatcccggg atgcgggaga ttctctgcca catgttcgaa 360
ctggagatgg cttacaagcc gcgggtgacg gcgctgatgc agcttgccgt cgatgcaggg 480
tggactacta ttcctgggtt ggaggccctg atcgggcaag gggtaggggtg 540
atcgacctgt tacagatgga cattactgat ggagtacagt tccaacattg gacgggtatt 600
cgccctctct acgaacgtgc acgggtatgt tgtgacatct tggtatccgg tcgaactatg 660
ctaacatgct cgtag 675

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<210> 12924
 <211> 474
 <212> DNA
 <213> A.fumigatus

<400> 12924
 ccgaccagcc gctgcggcct gccctcacca tcggaaactg gcacgacggt gttcacggca 60
 ccaatgatct cggcctccgc agtaatctca tcaagtaggg gcatgatatc cagtttcaga 120
 ggaatcgta cggaggctcc tccgaagtcg ggagcgcgga tgaagtcctt gacatcttcc 180
 acattggcag tctccaaccg ggtgtactca tggggaagtc ccatctcggc gaaaagagtg 240
 ttgtgcagtg ccggcgagcg ggactcggaa atagggcttc caaagagggc aaagcgcttc 300
 ttcttgatct cgcccatcag tgacaggccc ttgcgaatat cggtcgcaga cagctggcct 360
 ggagcagccc tgaacgggag agcaggatgc gatactggtg tcatgaatcc attcaagatg 420
 cgactcagtt gcccggttgc tcccatgttg atcgcgatca gtggcacgtc gtga 474

<210> 12925
 <211> 702
 <212> DNA
 <213> A.fumigatus

<400> 12925
 cccagcagcc cgttcaccgc caaacggaag agaatcacca acagcctgtc cccctcccgg 60
 gaggaccgc gcaccgcac caggcccgc gctgccctct ccgctgagaa gagctacagc 120
 ggccgcagcg agtatctcag cggcagtgct ccttttgacg agaccctggc ccagtccggc 180
 cacgatgccc tcgacaccga caatcacgag gacatgcagc tgttccagca ccagcgagta 240
 tttgatctcc cgccgaagcc cgtccagcgg cacctcatcg actgcttcat gcggtactgt 300
 gcgccatgga cgccgatcat cgacccacag tgggtaaccg cggagactcc ctgcgcgctg 360
 ctggttcagg ccgtcttgct cgccggggagt cgagtgtcgg cgccgtccgc ggacgtctcg 420
 agcaaagact tctaccgcaa ggccgaagctg ctctacttct tcggcagcgg caacaattcg 480
 ctgatttcca ttgtgtcagc gtgcctgctg cactggtaca acccgtcgg accggagaag 540
 gtctcgacgg acacgagcgg cttctggatc cgcacggccg gcgccatggc ctttcagatc 600
 ggactgcaca aggagccggc cgccgatgca aaggaccggg ggctgcgcag gaggctctgg 660
 tgggcattgg tcgtatggac agatcccac cgcgcacact ga 702

<210> 12926
 <211> 402
 <212> DNA
 <213> A.fumigatus

<400> 12926
 caactgcgtc aaagcaaagg ccgagtgcct gtaagcctct ccattgtcag atcgtoctct 60
 actgaccag cagcccgctt acccgcaaac ggaagagaat caccaacagc ctgtccccct 120
 cccgggagga ccgcgcgacc gcatccaggc ccgcgctgc cctctccgct gagaagagct 180
 acagcggccg cagcgagtat ctcagcggca gtgtcccctt tgacgagacc ctggtccagt 240
 ccggccacga tgccctcgac accgacaatc acgaggacat gcagctgttc cagcaccagc 300
 gagtatttga tctcccgccg aagcccgtcc agcggcacct catcgactgc ttcagcggt 360
 actgtgcgcc atggacgccc atcatcgacc cacagtgggt aa 402

<210> 12927
 <211> 912
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure

<222> (746)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12927

ctttacacgc	ttagttcgga	tccttcggcc	gccgtggctg	aagacatgca	tcctgggact	60
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cagctgttta	ctctggtcac	cgatgctggg	tattccaatc	acgcagaaat	tgtctgggag	180
tgtctcgttg	atgtgaatgg	attcaacgca	gagttcttct	cgggcgattt	tcgccccatt	240
ggcatgctc	ctcccgggac	ggtoccatcc	gggccacgaa	actccaacaa	ccaaacaaac	300
gttcctccca	gcacaagtga	agatagaaca	agtgaattgt	ctccccaaga	gcaagccgat	360
gctgactatg	cctacgcact	ttctcttcaa	taccaggaag	aagaacgccg	ggaaagagaa	420
agcaataacc	ggtcacgcaa	tcaacgagct	tcggccccaa	accatcccc	gggagctttt	480
tggggttcag	gctcggctca	tcaacgttca	gcgagtgtag	caaacggtag	cggtagtgga	540
cccacgtcgg	acggccgctc	gtcaaggcac	ggtcatgacc	ctggcgccag	taataacgcg	600
gaagatctcc	cgccgccatc	ctacgaacag	ggggtacca	gtccagcaca	cccaccacga	660
gacagtcact	acaatacttt	acctcagcaa	actcgatata	aaagacactc	gttgggacgg	720
cgaattaggc	ccaggtactg	tcgcancagg	ctcaggagat	cgggccaagg	atcgaaacaa	780
agactgtgtg	gtcatgtagt	gccacagta	tattatctta	caagtaatcc	gagggcacat	840
agcagggcaa	gccacgtatg	gtgcatacca	cgaaccctat	caattttcgg	caacgcttca	900
tgctgctttt	ga					912

<210> 12928

<211> 183

<212> DNA

<213> A.fumigatus

<400> 12928

catctagtta	catgggcata	ccacttcact	ggcgactcgc	cggactggac	agtggatcca	60
gcttggctgc	agagagtctc	tgacgttttg	gatatgatta	catcccgcgg	cctgtacgca	120
atcgtaacg	ttcaccatgg	taaaatatgt	ttcagcgaga	tagtaccagt	tatcaaggac	180
tga						183

<210> 12929

<211> 339

<212> DNA

<213> A.fumigatus

<400> 12929

gagttttgtc	agtttatgca	gaaccaagcc	atgaaggggt	tgcgcgttgc	tgcccttgtg	60
gcacttttca	gaagtgcatt	ggcccaagca	ggcaattgtc	cgggaacctt	tacgtccata	120
tctgctgctg	acttctgttc	tcgtgtccat	cccgggtgga	atttgggcaa	tactcttgac	180
gctgttccta	atgagggctc	ctggaacaat	gtccagttc	aagcatccac	gtttgatacc	240
gtcaagtccg	ctgggttcaa	cagtgtacga	cttcagggtg	agttccattc	ggtgctccac	300
gcactacta	ctgccaaacc	tgttgctgat	aacatctag			339

<210> 12930

<211> 405

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (404)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12930

gaaatagact	cgtggatctg	ggccgatgtc	actcagtcg	gagccaacct	tacgatgatt	60
gaggagaaat	tctatcgact	ctggatcag	attggcacca	agttgggttg	caagtcgaac	120
atggttgcc	ttgagtcgat	taatgagcca	cccgtcaaca	atgcccagga	tgctgctgag	180
ctcaacaaac	tgaatgagat	cttccttcag	gctattaata	aagctggagg	attcaactcc	240
aagcgagttg	tcaatctggg	tggtgggtgg	caggatagca	tcaagacttc	gcagtgggtc	300
aaggctccta	ccggcttctc	taacccttat	gccattcagt	ttcactacta	tagtccttgt	360
aatcttcacc	acgaggcgcc	aggaccgcgc	tcagggttac	ccnc		405

<210> 12931

<211> 204

<212> DNA

<213> A.fumigatus

<400> 12931

accaggggaat	taaaaaactc	cgaatccggt	atctatcatt	cagtgaatgt	tcagacatgc	60
cagtcgccgtg	gtatctatat	aaagtacata	gcacatatac	gtatcgctcg	caaaagcagc	120
atgaagcgtt	gccgaaaatt	gatagggttc	gtgggtatgca	ccatacgtgg	cttgccctgc	180
tatgtgccct	cggattactt	gtaa				204

<210> 12932

<211> 2202

<212> DNA

<213> A.fumigatus

<400> 12932

cctggtttta	gccctacggc	atcgagagta	gcacgcgctg	ttgacgaaaa	ggctctgaag	60
acgagcattg	atcttacagc	tctgaagg	gtaacagctc	ctttgatcgt	gaaactggcc	120
cagtcagggg	ggttggtgta	cattgagatg	cttatagaaa	gtggacatgg	agttgatgca	180
cgccatctga	gtactcgag	gactgacta	ttggtggcag	cgactgtgg	taacgaggcg	240
gtgggtcaact	tgctaatacca	gaagaacgcg	agacttgatg	cggtcgatgc	ctgggggtct	300
acagctctcc	atctagcggc	ttcacgcggt	cattgtgatg	taattcagct	gcttctcctg	360
gagccactgg	atcgcgaggc	acgagatgcc	cagggcagga	cggcgctttg	gctagcagct	420
ggtcgaggcc	agcttgaagc	caccgccttg	ttggttgccc	accatgcaa	ggtgaacgtg	480
cgagcggaaa	atcatacgac	gccgcttcac	gctgcagcaa	agcgagggtga	cgaagaaatg	540
gtagagcttt	taatatacatg	tggtgcagat	ttagaagcaa	gagatgggtgc	gatgatgaca	600
gctttgcact	acgcgtgtga	agaggggcac	ctaggcggtga	tgaagctgct	cctggataac	660
agagcaaata	tcaatgtgcc	cggcagtgac	cgaaggacac	cgctcatctg	cagcgcagca	720
atggggagat	gtccgggtgg	gcaggagctg	ctcaagcgta	aagcgtcggc	tcattgtgtg	780
gatgatgctt	ccatgactgc	ggtacactgg	gctgcgttca	atggacacat	cgagattgtg	840
gatctcttga	gtcagaagaa	gggcgtgctg	acagcaacca	acaagttagg	gcgaacagcc	900
ctacaccttg	cggccatgaa	ctcccgcttc	gcggtgatcg	agctgcttgt	gcgcaagggt	960
gtaccagtcg	acgcacgatg	ccacgacggc	ctcactcctc	tccattacgc	ctggttgccc	1020
aacagccttg	agattgccag	actacttctc	atcagtagcg	cgaacatcga	ggcacagaca	1080
gagatcaata	agcagagacc	catccacatc	gcagccgctc	gtggatcgat	gaatatcctc	1140
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tgccctttgt	acttggcata	cgaaaaccaga	ccacaggaag	attccccact	gtgtctggca	1320
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cggagagatg	agtcgggatg	gcagccacac	cactacgccg	catattatgg	gcacctcgac	1440
gttctggcac	tggtgcttca	ccatggacct	gcacggcga	acgatgggac	taggttcggc	1500
cttgacgctg	ctggaattcg	ctttgcccc	cattcgatca	tctctgagga	gcggaaggcg	1560
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gctttccagc	ctcctcaagc	tataggagaa	acactccata	acaggacgat	agccctcag	1680
ctacccttga	cgactcgatc	actagagcca	tgccgcgagc	cctcggccat	ggcgcccgag	1740
gagctgctg	ttaccctcga	gcaaggactg	cccccgagcc	ggtccgtgac	gccagagcat	1800
atgcggggag	gaagacgcac	cagcattggc	ttgagaagta	gttcatcaca	atccaggcaa	1860

ttcgaggcag	ctgtacagtc	ttcttcgtca	ggtacagctc	cccgtaacc	tgagccaagc	1920
ctttctcaca	ctggctctac	ttctgagcct	tgggtcgatt	actctctgcc	gtactggagg	1980
ggctccccgg	tttccactgt	tcacgaaacc	gggactgagg	tcgaagtact	cgcaccacaa	2040
ccgggtcggg	gaacgggtatc	aaagttacca	ttgctatcca	cattcaatcc	cgttgaccct	2100
gtatgtgagc	caactgggtat	aatgaactcg	gattcggagt	cttcactctc	tgtatatact	2160
gcgcgcgaaa	agtcagttgt	gatgaacagg	gtttgcatgt	ga		2202

<210> 12933

<211> 804

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (731), (750), (765)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12933

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atcggtaccc	tgcttggaac	cagatcagag	gatggaaccg	aggtggaaat	ccgtagcacc	120
tttgcgttg	gacacacaga	gacgaccgac	caggctcgagg	tggatatgga	ataccagaag	180
caaagtcttg	cgctgcacct	caaagccaac	cccaaggaag	tactggttgg	ttggtacgcc	240
acatcgctcg	agttgaacac	cttctccgcc	ttgatccaga	acttctacag	tggccagggt	300
gacggcacat	ggcctcatcc	tgcggtccat	ctgacagtgt	ctactgagcc	tgggaaggat	360
attgaaaccc	gcgcctacat	ctccgcccc	gtcgggtgtga	ccgctgagag	ggccgcagac	420
agcgtgctt	tcattcctgt	cccttatgaa	atccgctatg	gcgaggctga	aaagagtgg	480
ctcgaggcta	ttgcttctgc	caaagatgcc	gaaagccgtg	ctacaaacat	cttactgac	540
atcgaagctc	tggagcgtgc	catcgaggag	gtcctcggaa	tgatcgacag	agtctccaga	600
tacgttgagt	ccgttattga	tgaagaagct	cccgtcttga	cggcactggg	ccagttcctc	660
ctcaatgcc	tggccttggc	cccaaagggt	gaacctgccg	acattgaacg	tgacttgtat	720
gttttctctt	ncggcctcct	ccttttttan	ttggtttgtt	ttcanccacg	ggggcggaag	780
gateccagct	atgcgtatag	ggag				804

<210> 12934

<211> 198

<212> DNA

<213> A.fumigatus

<400> 12934

gcgggcgga	gaattagaaa	ggaaaaagat	tacagagcca	tccccaccac	cggcgaggaa	60
gcattcaaga	ctgtgagaga	accaggcttc	ggcatatttt	tcacatcttc	aacatggctg	120
aaaccgattc	tttctttcac	cttgctcgcc	ctctggggcc	agtggcagtg	gggtctgcac	180
caaccaccgc	ccctctga					198

<210> 12935

<211> 582

<212> DNA

<213> A.fumigatus

<400> 12935

ctcaagaaga	aactttgtgg	ccctgccaca	gagcggatcc	cagaaatcag	cggtgacgct	60
cagcatatcg	cgccttacat	cttcaactat	caagatgttt	tatacggagc	ccgaacgacg	120
tcaaaactcg	gcgcgatgcg	ggatattcta	gccgttcattg	cgggtcaacca	catcctgaag	180
acacgggacc	gggtgctgaa	aaacaactct	cgcattgcta	aagaacagga	cgcagacctg	240
gaccttcggg	accaaggctt	taccagaccg	aagggtgctct	accttttgcc	gacgagacaa	300
gcctgcgttc	gggcgggtcg	gtccataaca	cgcttcttcc	agccggagca	gcaagagaa	360

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aaaaagcggg tcttggactc attttccgct gcagatgaca aatcctggga aaacaaacct 420
gaagattttc gggagctttt cggcggaac gacgatgata tgttccggct gggcctcaaa 480
ttcactcgca agaccatgaa gtacttttcg caattctaca attcggatat aatcctggcg 540
agtccccctgg gtctacgcac aatcatggac caggctgagt aa 582

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<210> 12936

<211> 489

<212> DNA

<213> A.fumigatus

<400> 12936

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ataacaagga attcatctat tagaccggag gatcattccg ataacgaatc gcatctcaac 60
cacgagcctg cgggagatga gatggaccac gaaacccaaa tggacgatgt gttgtccgat 120
agcgacgacg acgaagacca gcagacagct cgcccgtaac acgaattgat tcaattgctg 180
caagtaaata cggagcctaa agggcccaact aggaagagga gaaagggtga atacaacggt 240
ggagagaaga gagatttcgt gcccgcgcgcg aacggagaag aggttgatgc ggcctacaa 300
ggagacgatg atttgcaaga gcaggaaccg tctgacgaag aagaggaaga tcaccagag 360
gaagcggatg gcaaccatgg gagcgacgac gaagaagatg gtactgttcg cactgatccg 420
ccactgttta tctttatttc taacgctgtg cagcaaacga cccttttgag gctcatttct 480
cggccatag 489

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<210> 12937

<211> 690

<212> DNA

<213> A.fumigatus

<400> 12937

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cgtctcaatc tacagcccaa agaggctcac ggggtgtgatt tcagtcgtgt gcgaacgtgg 180
tacttggaac accatgcccg atttgcctgc cagatgatcg tctctgcttc atttatcaca 240
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acgcgggtgt acgtgggagc tatctccgag gtacccctcc cagtatccgt caagcagacc 360
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gcgggaggtg ccctgatctt catcccgtcg tatttggaact ttgtgcgggt gcgcaactac 540
tttgcaacat cgtcgcaaac caccaacgtc tcgttcgggg cgatctcaga atatagcgag 600
gtccggggaga tgacacgcgc acgcacacac ttcatgaacg ggcggcatgc agtgcgctctt 660
acacgacggg gcctggaaaag aaacgcactc 690

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<210> 12938

<211> 576

<212> DNA

<213> A.fumigatus

<400> 12938

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aagcgattga tctatataaa gcgctgttca aggcaaatta aattggagaa tctacgtcct 60
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aatccaatcc caccttcagc acgaccgcgt atccgggagc ttttgccaaa cctctacctc 180
ggtcgtcacc ggccctggaac caaaaactcc ctcacggatg ttccgggggt cttggttcat 240
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acgattctct cgcgcgggga ttgggttgac tctggtgtgt acgctgggta ttttcgtttc 360
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ccgatcattc ttaccaattc gttctcggtc ggcgcatgct acacgggagt ctacgagtat 480
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gtggccgaaa cgtgcgatct gttcgtcttc accgac 576

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<210> 12939
 <211> 1707
 <212> DNA
 <213> A.fumigatus

<400> 12939
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 cccaccccc acgcaggcct ttctcaggcc gtctgggtag atgaggggga cacggctctt 180
 ctctgtcaat ggaatactcc gcgggtaatg gcgcatctgg ctgccgggga ctgggatgag 240
 atcaaggcct tcatgatcga gcgggtgaac ctcccgaact gcaaaggccc ggcagggtcac 300
 accgggcttg atggctcccg gtgggtatcg atgatcggcg catgggagat tcagggtttc 360
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 gccacaacgc cgacaatcaa gtcgatgag catttatgga catgcgatgc ggcggtgggtg 480
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 gccggctcga cctattggta cgcttgtaag gcgggtgccg acctggctgt atgcacggca 660
 tgctacctgg accacttcgt gttggactac gccagttcgt gggagctcca cccctcacg 720
 ccagagcagc aacagcagcg attcgagtgt gggatgcaga cacttcaaat ttatgctgcc 780
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 ctcggttca tggccctcc cgggttcgt cgcgagttca aagaagtcga gtcccggcgc 1020
 gggggcaact ggctctgcga cctgcacct acaacaccac gattccgaaa gtatctggca 1080
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 tggacaccat acccggaatg tccccggaac gaagcctgca cgaaccgcaa atggtatggg 1200
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 cttgcaaacg agcgcgatgga cgcgtttctg ttgatgaaca tggagaagga gcgccagttg 1440
 gccgagatga gcattcgcgt gtcacagagg aacaccttgc tactggcgtc ctcgatgaat 1500
 acgggaatag acggaattgt ttccggcgcg cgaggtgata acggtaccg gtgggggaat 1560
 tcgagcatcg ggtacatctg gcagacgagc gcaggggctg agggccgtct gcagtttgac 1620
 caggcaatgg ggatgaatgt cgtgccggcc tcttcggacc ttgcgcggat ggcgcctgtg 1680
 atgcagaggt gggcggaatt ggagtag 1707

<210> 12940
 <211> 255
 <212> DNA
 <213> A.fumigatus

<400> 12940
 actataacga aatactcgat caggtatatc tcaaccacgg aatcaattaa gcccccttct 60
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 cagcagtatc agaataatatt gaagatacta aaggagtgcc tgcagaatat cgacaacgat 180
 aagaaagaga ggcccgtgc tatcgacca gataccctga gcttggcgat gaagttcttg 240
 gagcttggga gatga 255

<210> 12941
 <211> 741
 <212> DNA
 <213> A.fumigatus

<400> 12941
 atccactata gccttgacga cccatcacag tctagtctcc ctaaaccgagg agagaaagac 60

tttgagccca	acccgacaga	attccaagcc	gatgtccttg	ccgcctcacg	cagggctatg	120
cataatgccc	tctcgtaccc	gcgactccac	cacccaaaac	acaggatcgt	tggcgtatac	180
gcgccagacg	gacctgcagc	accttcgata	gcgcccgctca	cgaagggcga	aacgcagaac	240
accgagttga	agtcggggaa	agccaggggg	acgaagctgg	gtgttcacga	ggacgcgtgt	300
gtgtacgtgg	ccaatcccaa	gggccagttc	ttcaagacga	tgggccaagg	ggaccggtgg	360
aatagggtgt	ggttgcttcc	tgaggaggcg	ctgtacatgc	ttgaaagagg	gagcctggag	420
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gataggttta	cggtttatac	gggggtgaaa	cgtctgggtt	atacgcttac	tcggggcgct	600
gcgtggatg	atgatacggg	ggaatcgagt	gttggttcag	agacacagga	gcccgttcgg	660
gttgggtgctg	gtttagtagg	ggtgtatgag	cagttcatga	aatggtctca	ccacggggct	720
ggaaggatcc	gcggtggcgc	t				741

<210> 12942

<211> 243

<212> DNA

<213> A.fumigatus

<400> 12942

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tccctgccga	ccagctgggtg	gagacctacc	tggccatggg	cgccggggcc	gtctttactt	120
gtgctccgta	cctgcttgag	tctgcccccg	cgccggggca	ggatatcggc	tgggtccgagt	180
ccaacgcagt	ggtgtttgcg	aacagtgtgc	ttggcgcgcg	gacgcaaaag	tatcccgatc	240
tga						243

<210> 12943

<211> 1689

<212> DNA

<213> A.fumigatus

<400> 12943

accaagatgc	agtatcatgg	gcattgcctc	gttgattcgg	cggccaccgg	aaaactcctc	60
tacgccaacg	ttggcctgag	tttctgggcc	ggagtgcact	cccagactgg	ggagatcatt	120
gaccgccatc	atcctctcca	cggacaatcg	gtcaacgggtc	gcatattggc	cattccgtgc	180
agcagaggat	catgtaccgg	cagcattgtg	ctgatcgagc	tgtgttgaa	tcaatgtgcc	240
ccggcggggc	tcattctcca	acagccggag	cagatcatca	ccctaggggt	cgctcgtggc	300
aagacactgc	tcggcctctc	gattccagta	ctggtcctaa	aaccagcaga	attccactcg	360
ctaaaagact	accgatacgc	ggcaattaca	ggaccaaccc	tccaaaccgg	agaggacccc	420
ctcccaccac	ccacctacga	agcaccttcg	tgcgccccct	cagggaccat	agacctgtca	480
gaaaccgacg	aggcaatcct	ccatggcgcc	cgtggagcag	ccgcccacaa	agccatggag	540
atcctcctga	gcttcgcccc	gatccaagga	gcaacaagat	tcacgcacat	ctcccgcgcc	600
cacatcgacg	cctgcatcta	cacggggccc	gccagtctac	ggatcccgcg	gacctttctg	660
tctctcggcg	cccgcgtcgc	catcccaacc	acgttgcaat	ccatttccat	tgaccggcgc	720
cgctggcggg	aactcggcgt	caaagaagaa	ctggctgtcc	ctgccgacca	gctgggtggg	780
acctacctgg	ccatggggcg	gcggcccgct	tttacttgtg	ctccgtacct	gcttgagtct	840
gcccccgcg	ccgggcagga	tatcggtctg	tccgagtcca	acgcagtggg	gtttgcgaac	900
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gtcgaagtgc	cggatttccc	gaagatggac	gacgcagtgt	ggccgctgtt	gggataccac	1080
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cgtatggctg	acctcaaagc	gttcggggcg	gcttttgca	caacggcgct	cgctcgatg	1200
ttccatgtgc	gagggggtgac	tccggaagcg	accaagttcg	agggagtccg	gcacacagcg	1260
aagcggatgc	ccgtgcacaa	atccgacctt	gtgcggacgt	gggaagactt	gaacacggct	1320
caagactcgt	cagttgggtt	ggtgtcgttg	gggaatccgc	acttctcgct	ggaagaattc	1380
gaatcgctct	ctcgtttgtg	cgccgatcgc	aaaaaagatc	cctcggtgca	gatgatgata	1440
acaacggggc	gggagacgta	cgagctggcg	gctagcaagg	gctatattca	aactctagaa	1500

gcctttggcg caaccatcat cactgatacc tgctggtgca tgatccgcca gcccgtaata 1560
 cctccccaga cgatccatct tattaaccat tccccccagt atgcccccta tgccccccgg 1620
 aatggtgccc cgaggaattg cctttgggga ccctggggccc catgttttgg tggccccctg 1680
 ccccggggt 1689

<210> 12944

<211> 285

<212> DNA

<213> A.fumigatus

<400> 12944

agaagtctta gatgggttat caagatgaac tgtccctccc gaaccgacga cactcttcta 60
 cactgcgact ggaatcagaa tccccctttt ctggcgccgg atttgaccac ccgccaagac 120
 ttcaacggca tcaccaatgc ccgcgtgtac cgatcggggc ccgggttga tgccgtgtcg 180
 tcgacgagct gggaagactc ccaagctatg cctgaacaac gagatacgcc aattgggagt 240
 aagtcggact tgcgtggggc gtcactgtct tcaccacggg gctag 285

<210> 12945

<211> 693

<212> DNA

<213> A.fumigatus

<400> 12945

cgagtcttga gccgtgttca agtcttccca cgtccgcaca aggtcggatt tgtgcacggc 60
 catccgcttc gctgtgtgcc ggactccctc gaacttggtc gcttccggag tcacccctcg 120
 cacatggaac atcgacgcgg acgcggttgt cgcaaaagcc gccccgaacg ctttgaggctc 180
 agccatacga ggcttcgtct gctccagccc aaccaccaac ggtatatccc cccccgccag 240
 ctgaccaatg tggatatcca acagcggcca cactgcgtcg tccatcttcg ggaaatccgc 300
 gacttcgacc accaccgatg gcgtccgtcc ttcattccga tgcccaccg ccaggggagc 360
 ccgccccgtc agcgcaatac acacgtcgat cagatcggga tacttttgcg tccgcgcgcc 420
 aagcacactg ttcgcaaaaca ccaactgcgtt ggactcggac cagccgatat cctgcccggc 480
 cgcgggggca gactcaagca ggtacggagc acaagtaaag acgggcccgc cgcccatggc 540
 caggtaggct tccaccagct ggtcggcagg gacagccagt tcttctttga cgccgagttc 600
 ccgccagcgg cgccggtcaa tggaaatgga attcaacgtg gttgggatgg cgacgcgggc 660
 gccgagagac agaaaggtct gcgggatccg tag 693

<210> 12946

<211> 453

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (422), (444), (448)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12946

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 ggcccagcgt caccactggc acaagcaccg ggtccccaag attctccggg ccatttgtct 180
 tgcattgtgc gtcgcggggc ttgttgacgg tctgttcgac gttcgcgacg taagccgaca 240
 acgacgactg gcaggtggcc gtgcaggtgc ggtcaaaaac cgccgagtcg aagtcctgca 300
 gccaccatcg gtcttccttg gacacggcca gggcgagcag aaagtcgctg cagtcgatgt 360
 gggcgctgta gggcgctttg cattctggcg acgtggtgct ggacaggctg gccgtgggtg 420
 anttccagta cttgggtgggg gtantcangc tga 453

<210> 12947
 <211> 408
 <212> DNA
 <213> A.fumigatus

<400> 12947
 ggagcgcagc cgagctcttg gccgcctgga atcggatcga ccatgttccc aacgccgcct 60
 gtccgaagca ccagtcgcga gtcgtgctct ggccaacggg taggtcaga ttcgccgggc 120
 attgggcgac cagcgcgtgc tcgtacggag cgcgcgcgta ccggaagccc agcgacttgc 180
 ggtcaaagtc gccgacctgg aagattcgcg tgcgcgaagg gacctcccat cgcagcgtgc 240
 ccagcttggc tgtgtgcgac ttgcgcaccg tcacgtcgtt ctgcaagaaa gaggtggcca 300
 cgtcggcgag ctgcccgcg ttcgaccatg cctgcagccc gtaaggcccg gtgccccact 360
 tcctccaatt tgaacaacc octggttcgt cggtcggggc ccgtgtag 408

<210> 12948
 <211> 540
 <212> DNA
 <213> A.fumigatus

<400> 12948
 tgttccacca acgggactgg actgggactg acatgcactg cgttgcatag cgacggatca 60
 tactgtctata tcggccagag caacttgtag tatgacaacg gcgagtgcga ctggacgtgc 120
 gcgctggcct atttctgggt ctgtcacgaa tatccatatg acaactacca gtttggcatt 180
 catctgccgg gcatggaggg tcagcgcacc gagttgattc ccagcagcgt gctcctggac 240
 gattcgcaga actcgacgta tggctgggcg acggtcgagc agtgcggatg gaccacgaat 300
 gattccttgc cattgtacaa tcccggcatg tcgaagagag tagttgaaga acagtcgacc 360
 acgaacactc tcgcagcctc gacagccacc tcgacagcca cctcgacggc gacatcgact 420
 gcgacgacct ctgctgcttc gagtgcggtc accgctgatt cgggaacggg gtcaatccgg 480
 atgcatctcg acacggggat ggcagtgtgg attcttgcct ttgggatagt ggtcctgtaa 540

<210> 12949
 <211> 750
 <212> DNA
 <213> A.fumigatus

<400> 12949
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 cacttaatta ctacacgggg cccgaccgac gaaccagggg ttgtttcaaa ttggaggaag 120
 tggggcaccg ggccttacgg gctgcaggca tggctgaacg gcgggcagct cgcgcacgtg 180
 gccacctctt tcttgcagaa cgacgtgacg gtgcgcaagt cgcacacagc caagctgggc 240
 acgctgcgat gggaggtccc ttcgcgcacg cgaatcttcc aggtcggcga ctttgaccgc 300
 aagtcgctgg gcttcgggta cggcggcgct ccgtacgagc acgcgctggt cgcccaatgc 360
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 gcggcgcttg gaacatgggt gatccgattc caggcggcca agagctcggc tgcgctcctc 480
 acggtctcgc tggccgggcta ctcgtcggga accacctcga cgattctcct gaatggcgat 540
 gcagccagtc cgatcggaata tctgaccact ctcccgaacg acccctgtct gtaccggctg 600
 gcgacgaccg ctggcgagtg gggctgttcc cagtttgaaa tccccaggg gaagctgcag 660
 cctggatgga actcgattga ctttgccgtg ggcaaggcca gcaggtggca tggcttcatg 720
 tgggatagta tcatcctgga gtattttagt 750

<210> 12950
 <211> 570
 <212> DNA
 <213> A.fumigatus

<220>

<221> unsure

<222> (134), (135), (151), (196), (200), (222)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12950

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ggcgctgggtt tttgcgggtca ctgtccttca gttcaaccaa gtcactcttt cagtttcccg	120
ttgttcttct tgannatgcc ttctttcttt ntattccttc tggcgattgg cgttgtgccc	180
gtgtggagtt tcagcntgan tacccccacc aagtactgga antacaccac ggccagcctg	240
tccagcacca cgtcgccaga atgcaaagcc gcctacagcg cccacatcga ctgcgacgac	300
tttctgctcg ccctggccgt gtccaaggaa gaccgatggg ggctgcagga cttcgactcg	360
gcgggtttttg accgcacctg caccggccacc tgccagtcgt cgttgtcggc ttacgtcgcg	420
aacgtcgaac agacctgcaa caaggcccg cagcgagcat gcaagaccaa tggcccggag	480
aatcttgggg acccgggtgct tgtgcccagt gtgacgctgg gccatatcct gcaatatgtc	540
ctgatgcggt cctgcgcgaa agatgagtag	570

<210> 12951

<211> 426

<212> DNA

<213> A.fumigatus

<400> 12951

ctagatggcg cgcaatccga cctgaactgg acctcggcgg aaatctatcg cagaggaaaa	60
acaaacggac aagacttcct cgatatccaa ttcaccgcca aagagggcga cttccactgg	120
gtcatcttcg aggacctcgt cggcgcgtag cagtactttg tgaatcatgc cctccccacg	180
ctgggagagt tccggacact gtggcgcttg gacaatacga gctttcccaa cggacggacc	240
aacatcaagg acggcgcgct tcccacactg gcggagattg ccagcggcac caaggtgcag	300
gacgagacgt ggcagctggc ggacggatcc tacattacca agtacgactg gaccgcgtgg	360
atccgcgacc aggattacta cggcggtgat ggcgagtttt cacaacgcgg cgagatccat	420
ctagga	426

<210> 12952

<211> 558

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (461), (542)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12952

ccttcttaca tcaccatgga gtccccacg tacgaggctc cgagtaattc gaatggcccc	60
ccggataaga aaggaggcat ccattcgact atcgatgtcg accacgatta tggagccgac	120
accgacctcc accgctcctt gagcacgcgc catctcacca tgattgcgct gggctcgtcg	180
attgggatgg gattatggct gggaagcggg acctcgctgg tcaacggtgg gcctgccgcc	240
atcttcatcg gatacctcct cagtgggacg atgatctggg ccgtctcgca ctccatcggg	300
gagatggctg ttgtctatcc gcttctctcg gcctttgtgc agtggtcgtc catctttatc	360
agcgagccgg ctgggttcac actggggtgg agctactggg ttcagttctt catcaccttg	420
gccaatgaac tgcaggttcg tcgtccccta ttctgtgata nggttcgata tgactgggat	480
aaggtgtggg caccgtgctc aatttttggg ccgaacaatt gcccgaccgc cgcgtggatc	540
antatcttct gggtcctc	558

<210> 12953

<211> 228

<212> DNA

<213> A.fumigatus

<400> 12953

gaatccagct	ggaggatcag	ccaacggttac	attcccagca	gccacagagc	cctatttcag	60
gatgagcgtc	tgatcgaaga	ctcacttgat	aagcgatagc	acggcatccc	gtgtttctccg	120
gttacgtgca	tgcatgctga	gtggcagacg	ggcgagggtt	atctatccag	cctcgatgat	180
aaccagcacg	ctagcaacgg	tcagaccaa	gggcttatcg	caagctaa		228

<210> 12954

<211> 471

<212> DNA

<213> A.fumigatus

<400> 12954

ctgatcgaga	tcattgttaca	gccaatgaac	gtaacttgga	tcattgggcta	tccaacgggc	60
aaggagcaag	gaaagttcct	gatactcgac	atgggaggca	ccaacctgcg	cgtaagccag	120
gcacagcttc	tggggagcga	tcgcgatatg	gagtcctatc	aggaaaagta	cagtataccg	180
cagtcgatca	agcaaggtag	agccgatgat	ttgtgggatt	tcgtggcgga	ctgtgtgcag	240
aagttttctc	agtcccgact	cagtgaagc	gaaagatcga	aagtgttgcc	gcttgccctt	300
acgtttctct	atcccgatc	tcagtctct	ataaaagtcg	gagtccttca	atgctggacg	360
aaagattttc	gcgtatctgg	agttgaaggt	catgatgtcg	tgtttcagct	agaggctgct	420
tttgaacgga	agggtgtgtac	tctcgtcatt	ccagccggct	gcaaagccta	g	471

<210> 12955

<211> 789

<212> DNA

<213> A.fumigatus

<400> 12955

aaaattcccc	tccaagtcgt	ggctttggtc	aatgatactg	tcgggacgct	cttcgcagct	60
gcgcatagag	accaagaggt	caagatcggt	agtatagcaa	gcaccgggtg	caatgctgca	120
tacatggaag	aggttgccc	aatcccaaag	atccaaagct	gcgggctacc	aagcgggtgt	180
ctcgtcgcca	ttaacaccga	gtacgggtgcc	tttgataatt	cacgtcgcat	acttcgcgg	240
acccgattcg	acgatgaaat	cgaccggaca	tccgcgcac	caggccagca	gctttacgag	300
aagatgggtc	ccgggcccga	cttgaggagag	ctgctccgac	tggtgatggt	ggaactgcac	360
gaagccaaac	ttctctttgt	aggccaagac	gtttcgtgct	tcgcccagcc	aaatgccta	420
gaggtttccc	tcttcccaac	cctagaggag	gatatacagc	agtgcattga	aaacgctcgt	480
aagtgtctct	gggagaagac	gggccttgat	ccagctccgc	acgaacttaa	ggcctgccga	540
tacctggccc	agttgggttg	gacgcgtgct	gcccgctctc	attcatgcgg	gatcgcagcg	600
atctgcaaga	aacgcaatat	cgaacgctgc	catataggcg	ttgatggctc	aatttttggt	660
cattatcaga	attaccgcaa	gcgagcggcg	caggccctcc	gtgatatttt	tgcatggccc	720
gatgaccttg	aggatccgat	tgtgtttggg	gtctacaaaa	aatgggtctg	gaattggcgc	780
ccgctttga						789

<210> 12956

<211> 564

<212> DNA

<213> A.fumigatus

<400> 12956

ctactcggag	aagaaccccc	tcgtatcagt	tgacacagaac	ttcgatgtcc	tgggggtttgc	60
gccggaccac	ccgggcccga	gccggacgga	tacatactac	atcaacgaca	agaccgtgct	120
ccggacacac	accagcgccc	accagcaagc	ctacttccag	cagatcaacc	gcaacgaggc	180
cacccgcccc	gaggaggtag	ggtacaccgt	ggtcgcggac	gtgtaccggc	gcgatgcgat	240
cgaccgcagc	cactaccogg	tcttccacca	gatggagggc	gccatgctgt	ggaagcgccc	300
gtcgacagac	ccgctcaagc	acggcgcgca	taccgcccga	gccatcatgg	aagacgtgaa	360

cgcgcacggcg	ccccgctcga	ggacccgaac	ccgaccatcc	acgtcgagcg	420
caaccgcgtc	caagccgagc	accacgccc	cgaggaagtc	gaagccgtcg	480
caagcgctcg	ctcgagcgca	tggtcgtcaa	gatcttcagc	gaggcccgcg	540
cgccgcagac	ccaaccgcgc	aagc			564

<210> 12957

<211> 954

<212> DNA

<213> A.fumigatus

<400> 12957

ataaaagaca	tgcgtttgtt	ggcgaccggc	agagcgctac	gggccagcag	tggcagatgg	60
tccgtcgtga	cccctcggag	gagccctcgg	atatcgacct	ctcatctcct	cgagcctctc	120
actgtcacag	ttacgaggag	aaatctaagt	tgcacagcga	accggaagat	agacgaaaag	180
ccagagacaa	agcagaaagc	tacggctcgt	ccatcacctc	cgcagtcatt	gaccatcgag	240
ggccagacct	accgtacgga	ccaatggacc	aacactccag	acacaatact	gtcccacgtt	300
ggacgtcggc	tctacctcga	cgagaaccac	cctctcgcaa	tcactcgcaa	actgatcgaa	360
agccaattcc	caggcccggg	atacggtaac	tactcggaga	agaaccccgt	cgtatcagtt	420
gcacagaact	tcgatgtcct	ggggtttgcg	ccggaccacc	cgggccgcag	ccggacggat	480
acatactaca	tcaacgacaa	gaccgtgctc	cggacacaca	ccagcgccca	ccagcaagcc	540
tacttcagc	agatcaaccg	caacgagggc	acccgcccgg	aggaggtagg	gtacaccgtg	600
gtcgcggacg	tgtaccggcg	cgatgcgatc	gaccgcagcc	actaccgggt	cttcaccag	660
atggagggcg	ccatgctgtg	gaagcgcccg	tgcacagacc	cgctcaagca	cgccgcgcat	720
accgccgag	ccatcatgga	agacgtgaac	cgcacccccg	cgccgcgcat	ccccgtcgag	780
gaccogaacc	cgaccatcca	cgctcgagcg	aaccgcgtcc	aagccgagca	ccacgccgcc	840
gaggaagtcg	aagccgtcgc	ggcgcacctc	aagcgctcgc	tcgagcgcat	ggtcgtcaag	900
atcttcagcg	aggcccgcga	tgccaccgcc	gccgcagacc	caaccgcgca	agcc	954

<210> 12958

<211> 924

<212> DNA

<213> A.fumigatus

<400> 12958

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togatcagcc	aaggaaatgc	tattcgtgcg	ctcaagttgg	ctatttcctc	gattgaccgg	180
tccgttcggg	aggccagtcg	caagcgctcg	ctaagcgact	ttattgacag	tttcatacgc	240
gaaaagatca	ctgttgacga	ccaggtcatt	gaggacagtg	cggtccagaa	aatccaagat	300
ggcgatgtaa	ttgtgacata	cgccggcgag	togatgtgca	agcaaactct	tctgaccgca	360
cacaagcaag	gcaagaagtt	ccgggtatcc	atcattgact	ctcgtccgtt	gttcgagggc	420
aagaacttgg	ctcgcacatt	agcgaaggcg	ggtctcgaag	ttcagtactc	gcttgtcaac	480
ggcatcagcc	atgccattaa	ggacgctacg	aaagtgttcc	tgggggctca	cgcgatgacc	540
agcaatggtc	ggctgtactc	acgcgtcggc	acggcgctgg	tgcctatgtc	tgccaaggag	600
cgggccgggtg	gtgtggaagt	ccccgtcatt	gtatgttggtg	agaccgtcaa	gttcaccgac	660
cggtttgctc	tgcacagcat	tgtcgtcaac	gaaattgccg	acgccgacga	gctggtaatg	720
aacgagccct	tgcagcaagt	gacgggtctg	cctgacgcgg	ctgctgttgc	tcaaccagag	780
ccaagaagg	gcaacaaatc	tgtctgcaac	gccactccct	ccgagtctac	tgtggtcaca	840
ccaggcactt	cacctctgaa	agactggaaa	gacactccca	acctgcagct	tttgaacatc	900
atgtacgatg	tgacaaccgg	ctga				924

<210> 12959

<211> 537

<212> DNA

<213> A.fumigatus

<400> 12959

aacgcccccg	ctggaagtgg	aaggaagaag	gccccaaaagc	aggaaaaagg	caagccccgcc	60
aggggggaaaag	gaggagggcc	cgagaagagc	aacaagcttg	gtgggtgagg	cgccggcgca	120
agggcgcccc	aatcccccca	tttgggaaga	aaagggcaga	cccgggtgagg	gggggtgagg	180
gttgtgagg	gtgggaagga	tgctgctgct	gcgcagtcgc	agaagggacg	gggggtatctg	240
ccgcgcggg	gctctgcgca	ggctgctgct	gggggtgagg	agcagaagaa	gaagcaggag	300
gataagaatg	tggctgtttt	tggacacctg	tatgggcagc	agcggagaac	tacagttgct	360
ggggcggggca	aggaggtgca	ccctgctgtg	ttggcttttg	ggttgcagat	gagggattat	420
gtgatatgtg	ggagcagcgc	gcggtgtgta	gcgacgctgt	tggcgttcaa	gagggtatgt	480
tttgtcctct	ctctcgtttt	cgttgattat	gctgacatgt	ttctctctct	aagggtga	537

<210> 12960

<211> 573

<212> DNA

<213> A.fumigatus

<400> 12960

aggattctat	ttcgacattc	actgcaatcc	aaaccgcaat	tcagaatggt	tagcccatca	60
ccaacacatc	aaaacaaaacc	acacagggtg	acagttacta	accgtgaact	acagagcaaa	120
gactcctccc	ccacaaacat	ccacatgcat	catccccggc	tagcggatta	cttcgaggaa	180
tttaccggcc	cacacacatc	acaaacagcc	aacatgaccg	cctccgcgtc	tgcctcttac	240
ctctaccagg	acggatacaa	ccacggcgct	acatacggct	cctcctcgcc	gacgctggtc	300
ccgtcgtacc	tgcccatcga	ggagatctat	gtgctgcccgc	agtaccagcc	gccaatccc	360
gaggatgagg	atgatgtggt	gccggaccag	catgcggcgt	ttgggattac	aaggcgcatg	420
gagcggaggga	gggagcctgc	ttggagggat	ttggggctgg	aggggttggg	tgatggtggt	480
gggaatggag	ctgccaaagg	gaacggagtg	aaggtcaggg	ttaaagaggc	gggacggttg	540
atgggtggga	agaggacggt	ttgtttgcgg	tga			573

<210> 12961

<211> 288

<212> DNA

<213> A.fumigatus

<400> 12961

cagaaatttg	catataaacc	tctcgcagct	caatgcaatg	attcactggt	ctctcagcac	60
agcctgatat	cacatccttg	ccaaacagcc	aaaatgtcac	ccaacaacag	cttcgtcctc	120
tatcactacg	agccctccct	accagcagca	attgcctttt	cggtgttggt	caacatcaca	180
taactggccc	atgtatacca	gcggtcaag	tccggatcca	attacatgaa	cccattcatc	240
gtgggcggat	tctgtaagtc	tgcaggcctt	ccatccagac	accactga		288

<210> 12962

<211> 258

<212> DNA

<213> A.fumigatus

<400> 12962

ccagacgcag	tccaagtcac	cggctatgga	tgcgcgcag	catcccaactt	ccttggaaag	60
tccaccacgc	tctacgccat	ccagaccctt	ctggtcctgt	tggcaccaac	gctctacgca	120
gcacgatctt	acatgatcct	gggcccgggtg	atccgatacc	tccatgcaga	acgactaagt	180
cccgtgccgg	tgaatggat	gaccgagact	tttgtggcgg	gcgatatcct	ctcgtttatc	240
ctccagggag	ccggttag					258

<210> 12963

<211> 315

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (70), (167)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12963

cgattttctca	cgggcgcccac	cccagctgct	ccatcgggca	ctggatccaa	gtgcgatgct	60
cctgatccan	caacccatgg	atccgaaaaa	attaatgcac	actccacccc	tcccaaccac	120
catatccact	cccaccgggg	gcagcaaagg	aacagaagta	cccctgnaat	ctccagcgcc	180
cccatatttc	ttgctcctcg	aaaggagatt	tctgaaactc	cctctgataa	ctccccacca	240
gccataaaca	aagacatttt	cccgtctccc	ccacatcccc	gattttcagg	accaccagcg	300
cgcttaccaa	aaacc					315

<210> 12964

<211> 774

<212> DNA

<213> A.fumigatus

<400> 12964

gtctgcaggc	cttccatcca	gacaccactg	accagacgca	gtccaagtca	ccggctatgg	60
atgccgcgca	gcatcccaact	tccttggaa	gtccaccacg	ctctacgcca	tccagaccct	120
tctggctcctg	ttggcaccaa	cgtctacgc	agcatcgatc	tacatgatcc	tgggccgggt	180
gatccgatac	ctccatgcag	aacgactaag	tcccgtgccg	gtgaaatgga	tgaccgagac	240
ttttgtggcg	ggcgatatcc	tctcgtttat	cctccaggga	gccggttagt	accctctacc	300
cgtggcgaga	cattcgttgc	tgacagcaca	ggcggcggag	tcatgtccgc	cggctcggca	360
aattcccatg	atatcggcac	gtatatcatc	ctcgtcggtc	tggctgttca	gcttctgttc	420
tttggtgttt	ttgtctttgt	ggcctttgtc	ttccgctttc	ggttctccag	ttcccagggt	480
gcaggctactt	cggggaatgt	gccctgggtg	aagagctgga	acggctctct	ctgggtgctg	540
tacctgggtta	gcgcgctcat	tctcatccga	agtgcgtttc	ggatgggtgga	gtttgcgcag	600
gggttcgatg	ggtatctcat	ccgtcatgaa	atcttcatgt	atgttttcga	cacggcggtta	660
atgtttgttt	tgatgggtgt	gatgaatacg	gttcaccttc	ctgggtgttc	gagtgcggga	720
aagggtgagc	tggtggaatg	tgagactctg	agggctcggg	gtagcgacgc	ataa	774

<210> 12965

<211> 366

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (366)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12965

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ttgctatgga	aaccactaat	atttgcttta	gggtggcaat	tcagtacagg	ctgggacctt	120
gcgtctgacg	atatccgcgt	gcagacctgg	tcgcgtcgac	tcacagagtc	tctgcacgcc	180
atcaacaggg	agaaagggat	cagctctgag	ttcgtgtata	tgggcgatgc	gggcgaatgg	240
caggatccgt	ttgtgggggt	ccctgcagcc	aatgtgcgac	ggatgaaggc	agttagatct	300
gcctacgatc	ctctggggac	cttctcaagg	ctgaactggg	gtgggttcaa	gcttggggtt	360
gactan						366

<210> 12966

<211> 747

<212> DNA

<213> A.fumigatus

<400> 12966

atgtacgatg	ccgtctccac	caaataactca	tttactgaca	atggccagtt	tectggagcc	60
aacaacatcg	acaacggcgt	gtcatcgca	ttgtccggat	tgaacaagtt	caccgtccac	120
aacgggacca	tagacgttgg	accaggcatg	acctggtagc	acgtctactc	tgcctcgac	180
ccctacggac	ggatcgccat	cggcgccgt	ctgaagacca	tggcggtacc	tggcctcact	240
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ctgaagacgt	ttgcaattcc	gaagatcagt	accacactcc	agagcttcaa	tgaatccggg	480
atctatgact	atatcacagc	gctatgtgat	ctgggtcaagc	ttgatgagcc	aaatcccatt	540
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ctgattgggg	tgcaggaagg	cattagccgg	cctccgtcgc	agttcgccaa	tttcaactgct	660
ctccctggcg	tgtcaaaggt	gcacaatgtg	acgactggga	aacagtttgc	ttcgggactg	720
gttaccgccg	atcagatggt	ccggtag				747

<210> 12967

<211> 273

<212> DNA

<213> A.fumigatus

<400> 12967

accttgatgt	tcaacgctga	tggcgatagt	gtcatgttct	ctcaccatac	agtacagccc	60
gaccccgaga	ccctctactc	catctatcaa	gcgtggaaga	cagcggttga	tgagatatcc	120
gacgtgaaag	gcctctaccc	aacctttgtc	atgaatctct	ctccagcagg	cgcggcacga	180
gtaggcagga	ctaattgggat	cggaaatgtg	tggggcctgg	acgaacagcc	catgatctgt	240
acgtccctga	ttctttgcta	tggaaaccac	taa			273

<210> 12968

<211> 429

<212> DNA

<213> A.fumigatus

<400> 12968

aatcaggccg	gcgaaataac	acagaataact	gacttgccgc	agatacttac	aaacttgtgt	60
cttctcgtcg	tggggttttt	cttggtctgg	ctccaacgtc	tctgtacgg	acccttgccg	120
ccgattgaaa	ccgaacagct	ttacgaaaag	gcatggtttg	cggtcacaga	aacatgcctg	180
gcgatgacaa	tattccgggg	ggaacttggc	gggtggttct	tggtcatgtt	tgtctgtcta	240
ctggttgga	aggtctgggg	ctggattggt	gaaggccgcg	tcgagttcct	ggagcaacaa	300
cccccgcca	atccgcgctt	gtttcacacc	cggctggcaa	tttccctcgt	attggcggtt	360
ctgtatgatt	cattcatgct	gaaataactgc	ataacgtggt	caccacgggg	gcgaaaggaa	420
ccgcgctat						429

<210> 12969

<211> 1791

<212> DNA

<213> A.fumigatus

<400> 12969

catagtccca	tacaaaaaga	agtcgaaagg	tctccgcgga	ctcaccaagc	acatcggcc	60
gactatgatt	ttcctgggat	gatggcgctc	caacaacttc	tatttacagc	taccgcact	120
cagacgttca	catatctgct	tgcctgtgtg	cccttctcca	ttgcgttttt	ggtcttcgtc	180
aattcatctg	tctcatttgt	ggtcactgat	ttgattggac	tacacgatgg	tgaaggagac	240
gctgttggca	ccttgggggt	tgctgatgaa	ctgctcgcgc	tggccgcgtg	cccattatgg	300
ggagtgcctc	ctgatcgat	aggcgctccg	aatgtacgtt	ccgttggttt	tatctaccaa	360

tatggtttca	aatcactaat	cactgacatg	ccctcaacta	aggtttgctg	catcggttac	420
ggcatcatag	ctgtttcgct	ggtcgtattc	gtgcaggcaa	gaaatgtcta	ccctcagctg	480
ctactgggaa	ggctattctt	cagccttgga	ggctctgcag	tctcaaccat	ggtgacagct	540
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agggctgagg	cgaagtctcc	ttcctctcgg	ctggctggat	ttgtgggcat	gtgcgctggc	660
agcggtgccc	tcatatcttt	ggccattttc	cttcctcttc	tagctcgttt	tcagagctgg	720
ggttactcac	cctcggaagc	catccagaac	agttactact	tggttgcttc	tgtggcaatt	780
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ctacaaaacc	gggatatatt	cctcgggttac	ctgggaggct	ttgttgacag	cgccctcatca	1020
gtcggcattt	cattgttcat	tccccttttc	gtcaaccact	actatcgacg	atctggcctg	1080
tgcggtcatg	agcagggcga	ggtgccagaa	tgcataccga	gagatatcaa	acaaacatgc	1140
cgcaaagcct	acatcttggc	ttctatcctg	accggcgtct	ctcagctagt	tgctctgatc	1200
gcggcaccgg	cgtttgata	tctatcggag	agatcgcgcc	ggtaccatgc	accacttctg	1260
ttcgcatctc	tggctgggat	tcttggtat	actgtatttg	cgctgttgcc	tagtcctcaa	1320
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cagatcgggg	ccattgtctg	cagcctggcg	gtgctgagca	atggatcctt	cagaatcagc	1440
cttgattccg	acggttcgga	gattttccac	acgccagagg	accccgggag	tacttcaacg	1500
aaccaggtaa	accaagacgt	cgacgagcat	gagcccttgc	tacaaggatc	tccgcgtcac	1560
agagggcacc	agctgtccca	cctgaaggga	tcaattgctg	gtgtttattc	cctgtatgga	1620
ggggcagggg	tattgtttct	gaccaagcct	ggaggtctac	tgttcgatga	tttgtctcca	1680
aagagtcctt	tctatataat	gggcggcttc	aatgctgtac	tgcttctcgc	aaggatcgga	1740
actggcgcaa	tgaactgggc	gaaagattct	tgtaacgggg	ctgaagctta	g	1791

<210> 12970

<211> 906

<212> DNA

<213> A.fumigatus

<400> 12970

ctaccgtact	tgaatcattt	ccaccgctcg	gtgtcagtea	atgcctccca	ccttctgaac	60
caccacccga	tgagcggcaa	gccagacatg	acgattcaca	cactgacaca	cttccttgac	120
cgcttcatct	accgaacccc	caaggcgtcc	gcaaccaccc	gcggtggctc	gatcatgcaa	180
cctctcgctg	gtagcgacac	gaaggaccgg	ctggtgggta	ccgccaaagg	tagtcaggat	240
ctgccaccca	actctgagga	gttctggaag	aagaagaccg	aggatgtggc	agcgggaagat	300
gttttcttcc	atgaatactt	cagccgagtt	ggaaagagca	aggacaaggc	ccagaagaag	360
agggccaagg	acgccggtgg	gcgcggtgaa	gaaaacgcag	aaggacttag	cgacgccgaa	420
tcggagatct	gggaagccct	tgtcaagtca	cggcctgact	tggaggatgc	tggatgatgc	480
gacgacgatc	tcgatctgga	tgatctcgag	tccgcgtatg	atcagggtga	gaacgatgag	540
gctgctgaga	gcgatgggtg	agttatcttc	aacgacgagt	ccgacgaaga	gatggaagac	600
cttgatgctg	ccgcagagtc	cgacgccgag	gagccgccta	ccaggggtaa	gaccaagggc	660
aagaagatgg	aggaagaaga	agccctggac	gaggaagacg	atttcgacat	ggatgcgtcg	720
gacgaggagg	cattcgctcg	cagtgcagag	gagctaccgt	ccgatatcga	ccttggaggc	780
gtggagctgc	ccaaggagga	cgaggcatct	gggcgggaaga	agagacgcaa	gctcaagcac	840
ctgccaacat	ttgcatcggc	ggacgactat	gcagccttgc	ttgccgggga	ggacgaggga	900
atgtga						906

<210> 12971

<211> 183

<212> DNA

<213> A.fumigatus

<400> 12971

gatgtacagc	tggtcaggga	ccttggtata	gttcacccgt	tacaaggaaac	cttttccgcc	60
acatctaacc	cctgccgtcc	acttcccaat	gaggatggat	atgatgacta	cctcctcgac	120

cccaacgctc atacgtcaag tactacgcct attgcggctg tctttgctca ctctccctcg 180
taa 183

<210> 12972
<211> 636
<212> DNA
<213> A.fumigatus

<400> 12972
cctgtccaca gactttctga acatatcgat actctattcc gtatcacaca ctcttccaac 60
ttcaacacta gcatccaagc tctgatgctc atccaacaac tcacagcatc tcaccaagtg 120
ggtgctgacg gcttctaccg gacgctttat gaatcacttc tcgacccacg agttgccact 180
tctcgaagc agtcgctata tctcaacctg ttgttcaagg ctttgaagaa cgatttgaac 240
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gctttcatct gcggtgtctt ttaccttacc cgcgagctgg agaagacttt ccccggtatt 360
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<210> 12973
<211> 207
<212> DNA
<213> A.fumigatus

<400> 12973
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aactctggcg atgacgtgga tgatcctgaa gcgaattgta catttggttg aatgctctgt 180
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<210> 12974
<211> 246
<212> DNA
<213> A.fumigatus

<400> 12974
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cgacgcgaga tagtcaacga agcattcaag tccgctcggc gaatgtggga aaagcacaag 180
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<210> 12975
<211> 312
<212> DNA
<213> A.fumigatus

<400> 12975
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atgaaattcg ttgctactct cattgcctgc ggctgtctg gactggccct ggctgtcct 240
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<210> 12976

<211> 408

<212> DNA

<213> A.fumigatus

<400> 12976

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aaggttctgg	cggagaatgg	agatgccatt	ggcattcgtg	agtatccctt	ctttggacaa	360
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<210> 12977

<211> 474

<212> DNA

<213> A.fumigatus

<400> 12977

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ctgcgcgtga	cgtacgccaa	caactactgg	agcaacatca	actcgcgtgc	tccctccctc	180
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aacactgccc	tgcagggtac	cttgaccacg	gttccctact	cttactctct	gcttggatcc	420
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<210> 12978

<211> 312

<212> DNA

<213> A.fumigatus

<400> 12978

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<210> 12979

<211> 450

<212> DNA

<213> A.fumigatus

<400> 12979

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catccgaagc	ggttgaaatt	agacgatggc	tctttgatgg	aacctgaaga	aatgcttgg	420

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450

<210> 12980

<211> 1635

<212> DNA

<213> A.fumigatus

<400> 12980

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<210> 12981

<211> 444

<212> DNA

<213> A.fumigatus

<400> 12981

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gctgtcattg	gttccgctca	gcttaccaaa	cacacttgcg	cccttccaga	ctaccacttg	180
gggggtcgagg	tctcttggag	gtgtaccgac	catgatttgc	ctagcaaacc	ctgggtctcag	240
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gaccatgatt	cctccgagga	agtctcgcat	cttacgttca	tcagatcgag	ctgcatgcca	360
aatagatgtg	aggatcgcat	tatccaacgg	gaagactgga	agaacatcat	ctcgctcttc	420
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<210> 12982

<211> 273

<212> DNA

<213> A.fumigatus

<400> 12982

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cgcggttata	tcttctacgc	tcttcttctc	gccagctgtg	tgacacggtg	gacaggatgg	180
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<210> 12983

<211> 531

<212> DNA

<213> A.fumigatus

<400> 12983

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<210> 12984

<211> 816

<212> DNA

<213> A.fumigatus

<400> 12984

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<210> 12985

<211> 312

<212> DNA

<213> A.fumigatus

<400> 12985

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312

<210> 12986

<211> 1083

<212> DNA

<213> A.fumigatus

<400> 12986

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<210> 12987

<211> 1056

<212> DNA

<213> A.fumigatus

<400> 12987

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<210> 12988

<211> 1128

<212> DNA

<213> A.fumigatus

<400> 12988

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<210> 12989

<211> 480

<212> DNA

<213> A.fumigatus

<400> 12989

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<210> 12990

<211> 219

<212> DNA

<213> A.fumigatus

<400> 12990

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<210> 12991

<211> 1335

<212> DNA

<213> A.fumigatus

<400> 12991

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<210> 12992

<211> 234

<212> DNA

<213> A.fumigatus

<400> 12992

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ggaggagcca	tcgtttgctc	ctgctgtgag	ggagctgcgg	gcagaactgt	gtgcgacacc	120
ctagagcaag	tggacacca	catgcatgcc	ccgaagggct	gtggttcgag	ctactgggag	180
ttgaccctcg	cgagtggcaa	gagaaagccc	aaaatatata	caagaccaga	ctaa	234

<210> 12993

<211> 348

<212> DNA

<213> A.fumigatus

<400> 12993

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gtcaaatact	cgacggaaact	gcgcggccat	tccgcgggca	tcgagaaagt	gttattcaac	180
ccagttaaag	actcggagct	ggcgagttgc	tcgacgggatg	gtaccgtcag	gttttgggat	240
gtgcgatcga	agacttggtg	aagccgtctc	gatgtcggcg	gagaggcatt	cacgatgtcc	300
tggtcggcgg	atggcaggat	cctcatggcg	ggaagaaagg	tgtgttga		348

<210> 12994

<211> 897

<212> DNA

<213> A.fumigatus

<400> 12994

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ggaacaacaa	cctacaccgc	actagaatcc	catccacagc	ccgtccagac	caacgcaacg	360
accttctctc	accatatccc	cactcccacc	tctcccgacc	tgcattctct	cgccacaaca	420
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<210> 12995

<211> 531

<212> DNA

<213> A.fumigatus

<400> 12995

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gtgcattact	tgaactcgct	cgacgccatc	aacacttcca	ataagcggat	tgccgagatg	180
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tatcctgaga	ttgctgatag	actaccccc	aaggactcgc	cagatgatac	tccggctgat	420
gtttacgggt	ttaacaacaa	gaaatcaatc	gaggtcttgg	gaatccagta	ccggtcattg	480
gagcaatcgg	ttacagaaac	agtcaagtcg	ttgttggtcg	ttggggcatg	a	531

<210> 12996

<211> 1491

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1310), (1350), (1476)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 12996

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acggctaggt	tatcgccgac	ggcgaatctt	cttcggaagt	ccgtcttttt	tgcgcttccc	180
tcagccttac	cgttgcccc	acaagatgca	acctcgaaga	ccgttttcga	atccaacacc	240
gcaaccttgc	ctcatccgat	ccgagcatcc	attgtcacc	cggcttcata	gctagcgaga	300
ggagattggg	gtttgaagcg	accgcttcct	gcaaaatcga	catcggaaaa	gtcgtcccg	360
cctgtcatcc	gcctcaacgt	actcgacacg	tttgaacatg	tcacagactt	cgaatccgcc	420
gccgaccaca	cggtgacctt	ggagaaattc	caggagcttc	acatgcccat	gtcccttcct	480
tccaagggtc	actacgcgac	tagcatggtg	cctagacatc	aaagcccctt	cgaatccgtg	540
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aaagcgcctt	atggtattga	agaataccan	aaaccaagct	cgaacagtat	ctccccgggg	1380
cgtcctacc	ggaccaacgt	tttgggtgcc	cagttgggac	cttttggcaa	atttgccta	1440
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<210> 12997

<211> 507

<212> DNA

<213> A.fumigatus

<400> 12997

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cccgtgaagg	actttctgga	ccctgcaatt	aagggaacaa	caggtattct	caaggcgcgc	180
aaggcctacg	caccaacagt	caagagagtc	gttatcacct	catcttttgc	ggcgattatc	240
aatcccaagc	agcatgcaaa	ggagtacagc	gaggagaact	ggaaccccg	tacctgggag	300
gaagcgtcgg	atccttctgc	aacctacaga	ggtagtaagg	tatgtatata	gcctcgtatt	360
tcgcattgtg	ctaggctgac	atatgcaccc	acccaagac	ttttgcagaa	aaggctgctt	420
gggactttgt	cgagaaagag	aaaccaact	ttgacattgc	aaccatcaac	ccaccgttgg	480
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<210> 12998

<211> 183

<212> DNA

<213> A.fumigatus

<400> 12998

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gacttgaaag	atggttcaaa	catttctttc	caaggctcaa	aatatatatg	cattgagctc	120
tattttttaca	ttatgctcga	ccttttcttg	ctgttcatgc	cccaacagcc	aacaacgact	180
tga						183

<210> 12999

<211> 1668

<212> DNA

<213> A.fumigatus

<400> 12999

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acacagtttag	cgttcattga	gctccaggag	ggcccgagg	ctgctgttaa	ccacagcgg	180
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ggcaccgcct	gggataactc	tgaagcttgg	tttgccctct	cccggtctca	tgaggcaagc	1560
ggagatgtcg	aaaagttgaa	ggagggtttg	tgggtggtg	ttgagcttga	agatcgacga	1620
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<210> 13000

<211> 216

<212> DNA

<213> A.fumigatus

<400> 13000

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gacaagatcc	tgcagactgg	tctccgcgct	tgggaattgc	ccgagcacag	gcctaaccgc	120
actctcagcc	gcgccgctta	caagccctac	tcgacgttag	tatccccctt	tacaggagta	180
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<210> 13001

<211> 2199

<212> DNA

<213> A.fumigatus

<400> 13001

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actatggaga	atcaactgtc	tggattcttc	agcaaggctc	gtcaacaggc	aggatgacgag	180
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cggaagaaga	ccacttttga	agacgtgtgg	gctgagatat	atgaggagcc	tgctcgacgt	2160
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<210> 13002

<211> 1092

<212> DNA

<213> A.fumigatus

<400> 13002

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<210> 13003

<211> 204

<212> DNA

<213> A.fumigatus

<400> 13003

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<210> 13004

<211> 732

<212> DNA

<213> A.fumigatus

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gctctggcat ag 432

<210> 13008
<211> 663
<212> DNA
<213> A.fumigatus

<400> 13008
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attgaccccg cagaaagcat gatcgacgtc ctgaacgcga agctctcaga ccctaccgaa 480
ccccaaaacc tcacgcccgc tctgccactt tactctccaa cccaagaaga cccccgctg 540
ccccggcga ccggaccctg gtattccggg ccaccggacc gggggcccaa ccggaaatat 600
gacctcatgg cttttcccac ctcgctattg ctaatggccc ccgacctgcg ccttattcct 660
tga 663

<210> 13009
<211> 288
<212> DNA
<213> A.fumigatus

<400> 13009
atctcacttc aaagtccggt aggaacgcgg ccagtgtcgt cccactatcc aagaaccgct 60
cctgggtcaat cgggtccgca ccacccggca gggccatgtc gaacgccc aaacaaacgag 120
cagtggccag gaacaacgaa tcttggccca tgtggcgccc cggacacgcg cgctggccca 180
ttccatacat caactgcggc aagtctgggt tctcgatcca tctctctggc tggaacgcga 240
aggggtcgag aaatattgcc tcgtcgtggt ttatggccca cacgttga 288

<210> 13010
<211> 198
<212> DNA
<213> A.fumigatus

<400> 13010
gtttcagttc ctccccggga tttactgctt cgagggggag tctcattaat gcaatactct 60
gatagccccg atgaggactt tgagaaggcc gcgcaccttt gcgcctatgt ctcccttgcc 120
tacaagaacg gcggtgccta cgtgacgctc tacaaccaca gtttcaaccc tgtcggggat 180
gtgtcgttcc ccaattga 198

<210> 13011
<211> 660
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (201)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13011

aatatgtccc	gaagttcgcc	accacttgcc	cggacgttcg	gcaacacccat	tctcatcacc	60
ccgttcatcc	acgccatctg	cgaggcctat	ttccagcgca	cgggtgatta	ctggttcagc	120
gcggccttct	tccgcgaaat	tgaatcggga	atgcccgcgc	agccgttcca	ccgcgacgat	180
gccaccacc	cgctgatgca	ntaccagccc	ttggaagcac	cgccgatttc	cctcagcgtc	240
atctttcccc	tgacagagtt	cacggaggag	aatggtgcc	cagaggatcat	cctcggcagt	300
catcggtgga	cagaggtcgg	gacgcccggg	cgtgaccagg	cagttctcgc	gactatggac	360
ccgggcgatg	tgctcattgt	acgacagcgt	gtggtgcatg	cgggcgggtg	gaatcgcacg	420
acggccggca	aacctcgacg	ggttggtctc	gcgtacttca	atagcgcca	gctgacccca	480
ttcgagacct	accggacgat	gccgcgcgag	atggtcgagt	cgatgactgt	tctcggccag	540
aggatgctcg	gctggagaac	catgaaaccg	tccgatccca	acattgtggg	catcaacctg	600
atagatgata	agcggctgga	gaatgtgctg	cagttgaagg	ctgctgattc	gccggcttag	660

<210> 13012

<211> 636

<212> DNA

<213> A.fumigatus

<400> 13012

ccatctgcag	ggcaaatctg	gcaactgact	atggagcgac	tcccgtgtgc	ccccgtgtg	60
ctcttctcca	tcacgcccct	ccccattcta	tacctttgga	ttcgatacac	agcaccgcgc	120
agggcccatg	ggaagcacct	ttccctcccc	ccggggcctc	cacgactccc	taagattggc	180
aacctccacc	aggtaccccg	ccagatccca	tggagaaggt	acaaagagtg	gtccgacact	240
tacggcccca	tcattgtcgt	ccaactcgcc	gacaccatcg	ccgtcgtctt	ctcctcatgg	300
gacctcatca	aaaaccatat	tgaacgcggg	aacacaatct	acagcagccg	accctccgtg	360
cccttcttcc	tccacgcgac	aggtggcctg	aatgcgtcga	ttctccccct	acggtccgga	420
atggaaaactc	cagcggggcca	tccgcagctc	cgctcctcaa	ccctccatga	cggatcaagta	480
ccgcgacgtc	cagcatgtgg	aaacgacgca	gctcctgcac	gagcttctgt	ccacaaacga	540
cttccccgtt	tgtctgcgtc	gatgtattgc	cagtgtcttt	ctgactgtgg	cgtatgggga	600
gcgatgtgtc	gatcatgcgc	ggttggaggc	gattga			636

<210> 13013

<211> 363

<212> DNA

<213> A.fumigatus

<400> 13013

ctatggagcg	actcccgtcg	tcccccgctg	tgctcttctc	catcatcgcc	ctccccattc	60
tatacctttg	gattcgatac	acagcaccgc	ccaggcccca	tgggaagcac	ctttccctcc	120
ccccggggcc	tccacgactc	cctaagattg	gcaacctcca	ccaggatccc	cgccagatcc	180
catggaagaa	gtacaaagag	tggtccgaca	cttacggccc	catcatgtcc	gtccaaactcg	240
ccgacacccat	cgccgtcgtc	ttctcctcat	gggacctcat	caaaaacccat	attgaacgcc	300
ggaacacaat	ctacagcagc	cgaccctccg	tgcccttctt	cctccacgcg	acagggtggc	360
tga						363

<210> 13014

<211> 1221

<212> DNA

<213> A.fumigatus

<400> 13014

atgcgtcgat	tctcccccta	cggtcgggaa	tggaaactcc	agcggggccat	ccgcagctcc	60
gtcctcaaac	cctccatgac	ggtcaagtac	cgcgacgtcc	agcatgtgga	aacgacgcag	120
ctcctgcacg	agcttctgtc	cacaaacgac	ttcccgtttt	gtctgcgtcg	atgtattgcc	180
agtgtcttct	tgactgtggc	gtatggggag	cgatgtgtcg	atcatgccgg	gttggaggcg	240
attgaccggc	tcgaggagct	caatcgcgct	atcgcaactgc	atgcggaggc	gctattctct	300

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ggtgctgctg gtattctcac ccagttgggt cttcccaaag cactgggtcga tcggctgccg 360
gtccgggtgga agaaggacgc tgatatgctg cacaatcggc tgacgggtga cctgggtggca 420
cggacgaggg ctgctgctgg cgcaccgggc tgggaattggg tcaaggaatt ctccatgaag 480
gacggaattg ggagtgggga tggcgacggg gagcagggaa gtaaagtcgg gttgaagcgt 540
ctgcctata tggtcgggtc gctgtatgag gcctccatgg ctgctgcaca ggcactccga 600
gttatcatcc tcgctgggtc cttacaccgc gatgccacgc ggcgcatgca cgacgagcta 660
gacgcggtgg tcgggacggg ccgccttccg gacttccacg atgcggccca attgccctat 720
acgcaagcct tcatcaaaga agccatgcgt tggcgctccc taacacccat ggggtcaccc 780
cgtgccacat ccgacgaaga cgactgcaga ggctaccata tcccatgtgg cgctactgtc 840
ctcgtcaacg tgtgggccat aaaccacgac gaggcaatat ttctcgaccc cttcgcgttc 900
cagccagaga gatggatcga gaaccacgac ttgccgcagt tgatgtatgg aatgggccag 960
cgcgcgtgtc cggggcgcca catgggccag gattcgttgt tcctggccac tgetcgtttg 1020
ttttgggcgt tcgacatggc cctgccggat ggtgcggacc cgattgacca ggagcggttc 1080
ttggatagtg ggacgacact ggccgcgttc ctaccggact ttgaagtgag attcacgcgc 1140
aggtcggaga agtatcagga ggtcattgag aatagcatgg ctgtgttacc ggatgtcttg 1200
tcgatttctg cgactccgta g 1221

```

<210> 13015

<211> 300

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (49), (95)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13015

```

aacacaattg gcttgttctt gttctgctca tcccgggaga ccgtcctanc ttgcggaaag 60
ggttcaacta aagctaaact ccagggttcc cacanttatt tcgattccca acttactttc 120
atcgctccctt gttcccccggt ttccacaccc tggttgcgct gccgaacggg gggagtcaca 180
aataaaatcc cccggttctt tggttccacc gaaattaact tcttacattg ggacgggaat 240
tccccggcct ttgatttttc gccgaaaatg aatcccccca aattgaatgt ttatttggcc 300

```

<210> 13016

<211> 363

<212> DNA

<213> A.fumigatus

<400> 13016

```

atcatctttt cggtcattcc cctcttggcc gcaacaatat acgtcccacc gactatctca 60
agctcatcga ctttatctga aaggcttcgc tccatgctaa gtgtcatttc cctgttgttg 120
acggcggtata ttatgaagta tcatgcaatc gagcgtccag accccaaagg gaaaaggcca 180
atcacaaagg cagacctcat aacgtctgcc gaaaaatatg ctatccctac taacgctgca 240
ttgtgtgcat tattggcgct tacctctatt atggcctcgc cgactgcagt cgttacatat 300
ttcattccgg ccggtgagtc tcgggcccgc cactaccttt ctgaccaaca tgttctggcc 360
tga

```

<210> 13017

<211> 1266

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1), (47)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13017

ntgtggaaac	cctggagttt	agctttgagt	gaaccctttc	cgcaagntag	gacggtctcc	60
cgggatgagc	agaacaagaa	caagccaatt	gtgttctatt	cggttgagca	ttactcaaag	120
ctcgtggggg	acatcgatgg	gaaaagtatg	gatagcaagc	aacagctgtt	gctcaaagac	180
tttgagcatc	ttttcgact	gtatactcag	attttgctat	ctgagagctt	ttcacaggat	240
gaagcggaag	agaaggacat	cgaatacatt	cctttggaca	gtaacatcac	ctgttcatac	300
tgcaggtgca	atatttttaa	tcgattcctg	acttgcccgt	ggtgtgcggg	tggacagact	360
gccgacggcg	aggaccccta	cgatatctgc	atggaatgtt	atgtcatggg	cagaagctgc	420
gcttgccctc	cgagattgaa	gtgggctgaa	caatttcctt	ggagtgcgct	gacagggaac	480
tatgaaaatt	ggcgagacca	aatatgtcgg	ctcaaccagg	gcaatccgaa	cggtcagatc	540
ttccggcctc	tcgccgagga	gcgagctcgc	tacggcaaga	aaaccctagc	tgagatgtgc	600
cagggggaat	tgaaaagacg	accgtgggtt	gatatcacca	aaccagtgc	gcgcaagatc	660
gaggacaatt	tgagtgatcc	agaaagcccc	gctcgaaaac	gaaggaagac	tcgcctcagc	720
cacgaatctg	aaaagggtgg	tcgctgccat	atctgcaa	atattgagcc	gaaatggaag	780
ctcgttctt	gtgactattg	caacccaaac	tactgttacg	gtagtctgtt	tagagccttc	840
aatattcaac	catatgaaac	catggaagtg	tatcgttggg	tgtgccttaa	atgccaaaag	900
gtttgcagtt	gcgcagcgtg	ccgtcgagat	ccctcgatga	aaccattcga	accaacctgt	960
acactactcg	gccatgatac	aaggaaaata	gccggtcctc	gcagtgtgga	aagcttggtc	1020
gacttcgggc	agtcgaatct	caggtgggtg	aaaaaagcag	gcgacaatga	gatagaaaga	1080
ctgaagaagc	atcaaaaaga	ggcagacgaa	aagcgtcaac	aggctatgat	cgaatatagt	1140
attcagttgg	aggattctcc	tcgagtatcc	gcccattgca	cggaatatgg	cgacatacca	1200
gtcgatcctg	tattggagga	attaagtggc	tcaattctta	ccccgccaga	ttcgttcaact	1260
ccttga						1266

<210> 13018

<211> 534

<212> DNA

<213> A.fumigatus

<400> 13018

ggcaaaacat	ttcaccatct	gggctaccgc	tcactgcatg	acggttgtct	actcgttact	60
cgtcttttct	cgggcgcttt	tagtcctttc	acaactaatc	tgacaatggc	actttatact	120
gcgcaaaggc	gcattggcgt	tcacagagcc	ttcctgtttc	gtcgccacaa	tatgcctcct	180
caccgctgtc	tcattcctgc	tcccaaggct	aactcgggcc	ctttgatgga	gcgacggggc	240
gatcgagagc	tccttctctat	caatactgag	aaacgccgat	ggatcaagac	gctgccaata	300
tttgtggtag	ttgtgggagc	tgcaatgctt	ggcatattta	attaccagaa	gtcgtcatcg	360
agcgtcgtga	gcagcacgct	atatgccctt	cgaacatcac	ctcgtgcacg	agaaatcctg	420
ggagatgaaa	tttactttgc	tcaaaagata	ccgtggatta	gcggggaaat	gaatcagctt	480
catggctcgt	ttgatatctc	cttttggtg	aagggaacaa	agggtcaggg	caaa	534

<210> 13019

<211> 1089

<212> DNA

<213> A.fumigatus

<400> 13019

gtatcttgcg	cgatgccagg	cgtcgtcgat	acgcccggcg	ggcctctgtg	gcctggattg	60
ggattcactg	tcgcacacca	gaaagttgaa	ctggagatag	atthttgcgac	caaaagcctc	120
aagggaaga	cagaaataac	gatccatccg	cattacaagg	aacttcgaat	cattcgattg	180
aacttccgac	agggcgagct	gaaacgctta	aatgtcaatg	gaaaggcgcc	tacaatcaaa	240
tatgcggatc	catatgaatc	cctccagctg	tacggccctc	attatcatca	gcgtctatcg	300
accaagatcg	atagtttgct	cacgactacc	cccgagccgg	acctgcttgt	gacgatcccc	360
aaaagtgttc	ggattgagga	gctcgatcct	ttctcgcagg	aggcccagga	tcaaatgact	420
ttgcgtgcta	gtggtgcagg	agaagacacg	gatgggcctt	tgggttctaa	actggcagaa	480

acttcattac	ctcgggttttc	agcgcacacg	gtctacatcg	agtttacgat	tgagaatatt	540
cgggatgggc	tacaatttgt	cggggtggat	agcggcgaca	ggcgctatcc	gcatgcttac	600
acaaccaact	cgcttggtta	cgtgcccga	agccccctgt	tcccttggtg	tgacgaccct	660
ctgtctcggt	gtacttggtg	aatctccgtc	aaatgtccgt	gctctttagg	cgatgtcttc	720
gaccgcaaaa	ctcgggatcc	gtctggcgct	catcgttcaa	agcagacgcc	tgggggtagt	780
cgattcatct	ctccagacga	cgagactctt	gacttgctcg	ttgtttgctc	tggggatatg	840
acagatgaga	tcgtcgaccc	ccgggaccc	agcaagaaaa	cggtttcctt	cgcatgtatg	900
tcgccgcttt	ctgccaagca	gattggcttc	gccgtcggtc	cctttgaata	tataaacctc	960
tccgacttcc	gtgagagcga	tcaggatgag	cagcttggtc	agaacgctat	tcctttgcac	1020
gcgttctgtc	tcccaggaag	gggagatgaa	gtcagaaaca	catgggttcc	ccatggcgaa	1080
agctattga						1089

<210> 13020

<211> 198

<212> DNA

<213> A.fumigatus

<400> 13020

cttgagactg	aaaggcaaaa	cttctacgag	tctatttcga	ttgcgtcttc	ctattttgcc	60
aacttcgctc	ctgctcacct	cgacttttcc	ccgccgttga	cgaaccttta	ttcattgaca	120
attttcccaa	ccttattttt	tggacgtatc	ataggaagt	attacgagag	gaatggttgc	180
tcattgagct	ggacatga					198

<210> 13021

<211> 339

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (257)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13021

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tgcacgcgtt	ctgtctccca	ggaaggggag	atgaagtcag	aaacacatgg	tttccccatg	120
gcgaaagcta	ttgactttct	ttcgtgact	tatggctcgt	atccattcgc	aagttacaaa	180
atatgccttg	tggacgacgc	tcccgaaaac	acgctgccaa	cggcgtgctt	gtcaatctgc	240
agcaaacacc	tcctctntcc	tgaggatatt	atcgatccaa	tgtatgactc	aacgcgagct	300
cttgttcatg	ccctatcatg	ccagttggat	cgggtggtca			339

<210> 13022

<211> 300

<212> DNA

<213> A.fumigatus

<400> 13022

tcacacata	ggctattcta	taaactaatc	gatccatttt	ctcatcatat	agcgactcaa	60
gacacgctta	ccgatgagat	tttgatgcc	ctgaagagtt	acaagtacca	gagcgtggat	120
aagtcttaca	tctcgaatca	catccttaag	cattacgtat	tatgtccatt	gttcctccca	180
cataccatac	gctctcgctc	tgacggaaaag	attgtcacgc	tagtggaatg	catttgctga	240
agtcctcccc	ctatggattg	tcttacacga	cgggaggact	ggaaggtaaa	tgaaccctcc	300

<210> 13023

<211> 483

<212> DNA

<213> A.fumigatus

<400> 13023

tacatgcct	acgaagacct	caagacagct	gtcaagaccg	ggtacgtcag	cgaacctacc	60
tccgaatacc	ccaaacccga	tcgcaagcca	tggacagaag	accacgagaa	gcgcttcgtg	120
tcgctactgg	agagcgagct	ggacaaggtc	tttaatttcc	agaagctcaa	gagcgaggag	180
atcgtgcggc	gcatccaggc	cagcgagaag	gatgtggccg	atgttgtctc	gcggctggat	240
aatgcgaata	attcgaggag	gcagagtctg	cggacatcgc	agccgccgcc	ctcagatgag	300
gattttctgc	tgctagagca	ggtgctgagt	gacatcatcg	ccgatgtgca	tgatctcgcc	360
aagtttacgc	aattgaatta	cacagggttt	caaaagatta	ttaagaagca	tgatgtatgt	420
tctgcatcta	gagctcttct	tgaatgtttt	tggtaacaacg	ttcgagaggc	taatgtttgt	480
tag						483

<210> 13024

<211> 294

<212> DNA

<213> A.fumigatus

<400> 13024

aaacaaacgg	ggtggcacct	caagccggtt	tttgccgccc	gactcaaagc	caagcccttc	60
ttcaaggaca	actacgatgc	attcgtggtc	aagctctcca	agctctacga	tctggtcgcg	120
accaagggta	accccgtaaa	gggagattcg	gcggctggag	gttcgcagca	gaactttgtc	180
cgccagacca	ctaaatactg	ggtccacccc	gacaatatca	ccgaattgaa	gctgatcatt	240
ctcaagggtat	gcaaagcttt	gtctttattt	gtatctcgtc	aaacgttaaa	ctaa	294

<210> 13025

<211> 453

<212> DNA

<213> A.fumigatus

<400> 13025

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gtccgcgtcg	aacccaaggt	ctatttcgcc	gccgagcgaa	ccttcctctc	ctggctcgaa	120
ttttccatcc	tctcggcac	cattgctgcg	actctactca	acttcggcaa	cgactacatc	180
accttcgtct	cctcgtgggc	gtttaccatc	cttgctgcag	tggccctcat	ctacagtctc	240
atgctgtata	tctggcgtgt	cgacaagatc	cgcaagcgcc	gcgacgtcaa	acgagtctac	300
tatgagaaat	ggggccctac	cgtcgtcgga	ctcggctctt	tgggtattat	gctgggtgaac	360
tttggctctg	gagtagtca	gactggcttt	gccgctcgcg	acggagacca	gggctttggg	420
catggtcggg	gatcggccgg	cggagaattg	tag			453

<210> 13026

<211> 1680

<212> DNA

<213> A.fumigatus

<400> 13026

cagcaccttc	ctgtccttgt	cttcaatccc	aacaaggagt	ttgaggaaaa	agatgccgcc	60
atttcatcca	tttactttga	caacaccaac	acatgggagc	tatacgaggg	tcgtttgaaa	120
aagactgaag	gggcagaggc	cattcggtct	cgttggtatg	gcggcatgga	aagcgaccag	180
atcttcgtcg	agcgaaagac	tcctcgtgaa	gattggacgg	gtgagaagtc	ggtcaaggcg	240
cgtttttcgc	tcaaggaaaa	acatgtcaac	gcctatctgt	cgggtcgcat	gacggctcgag	300
agcatttttg	agaagatgcg	caaagaagga	aagaagagcg	aacaggaaat	tgccgacttg	360
gaacagtttg	cgcgcgaaat	caagtaccgg	gtcatcacac	gtcggctgga	acctgttact	420
cggaccttct	atcatcgcac	agccttcacg	cttcggggtg	atgcccgagt	tccaatttct	480
ctggatacag	agctgactat	gatacgagag	gataacctgg	acggccggca	gcgctcaggc	540
aacaactggc	gccgaatgga	catcgggggtg	gactggcctt	tctcgcaatt	gccgccccag	600

gatgttgagc	ggttccctta	cgcggtgctg	gaagtcaagc	tgcaaacgca	agctggccag	660
gagccgcccc	agtggattcg	agagttgacc	gccagtcacc	tggtcgaagc	ggtcccgaag	720
ttcagcaagt	tcattccacg	aactgccacg	ttgttccccg	atcgcatcca	ccttcttccc	780
ttctggatgc	cacagatgga	cgtagacatc	aggaagcccc	cgacgcgtcg	attcgggtatc	840
acccggccac	tggccagcac	gtctctttcc	gccaatgaaa	cgccagaaga	cgacgaatcg	900
gacgaggacg	agtcggacga	ggcccaggcg	cgtacgaggg	ctgccacccg	cgatgcacag	960
cactcagtg	tcgaccagag	tgacctgttc	gaagacaacg	acggcaatgc	tctggacatc	1020
gaagagcgca	tcgccgcccc	gccactcccc	ggcgacgaag	attatccatt	gtatgattcg	1080
gacgaggagt	ccaattactc	ggacgaacta	gaagaagcgc	gaaggatcgg	tggcggctac	1140
tactaccaga	agctggtcga	gtactacatt	catcgatg	gccacgcact	gatcaatggg	1200
ctcaaggcca	ttgcgcccgg	gccgcggccc	acggacatgc	ctgaacccga	acagaacggc	1260
atcaccgctc	tgggaaacaa	acggacgatc	aagcgattcg	tcgctccaaa	gggtaaactgt	1320
aggtatcctt	gtgccctttt	ctgtcagtc	aaattctcac	gcatacaggg	atccacgtcc	1380
ccgtccgcgt	cgaacccaag	gtctatttct	ccgcgcgagc	aaccttcttc	tcttggctcg	1440
aattttccat	cctcctcggc	accattgctg	cgactctact	caacttcggc	aacgactaca	1500
tcaccttcgt	ctcctcgtgg	gcgtttacca	tccttgctgc	agtggccctc	atctacagtc	1560
tcatgctgta	tatctggcgt	gtcgacaaga	tccgcaagcg	ccgcgacgtc	aaacgagtc	1620
actatgagaa	atggggccct	accgtcgtcg	gactcgggtc	tgtgggttatt	atgctggtga	1680

<210> 13027

<211> 1311

<212> DNA

<213> A.fumigatus

<400> 13027

ggagaaccca	ttcacattgt	catgtccaaa	cctctgtctc	cgttgccgac	ctcgcgcca	60
aattcgcggg	ccttttcgtc	gggcttgaat	ggattggaaa	ttgaatcctt	ggtgaacgag	120
agcggatccg	agaatgtctt	tgcgagtc	aacaaaacga	ttgacggcgg	cgccgataca	180
actaccccc	aaagtgggca	ctatccagct	acgtatcaca	cgcagggaatc	catcctggat	240
gtcggagatc	tcgagtctgt	cgatgaacag	cccagctcgc	catttcagta	cgacgctcga	300
gaccctacag	ttgactttcg	ggctctcggt	aaccaacaaa	tctcgagtgg	gctgagagag	360
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gacaggtcaa	gcgagagaag	caagaaggga	atgagccgac	gtgacatgcc	agacattcaa	480
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gaaattgcca	ctagcatggt	tgagcaaaaa	cgcaacgagg	gaatgagcac	tgtccttgac	600
gtacataata	actacgatga	ttcgttctcc	gaaaaagaga	acctggatat	gaaggctgca	660
gacgatgtta	tgaatgacga	ctctcatgat	cccatggatg	acacatgttt	cagtactttc	720
tctgcggttc	ctaactgtga	catgacgtcg	ttcgcgaacc	tgcgagggaa	ttcaccattc	780
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cccgaccag	ctacccttga	tacttcgagg	aggtcacaaa	ggcaatccgc	actcatcgat	900
atcggcacgc	ccatcgcttc	tactcccagg	gggcgagaa	gcagggatat	ggaaaatgca	960
agcgaacgc	caaacttgct	tgacctgaca	gatcagccca	acttctttcc	acgacaacgc	1020
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gaatcaattc	ggtcccctgc	aaaggtctcg	ctgctcgact	ttgacattcc	tccgattccg	1140
acgcctaggt	ctataccgac	cgtcacacca	cgggagctgg	aatctttgaa	atccgggttc	1200
cactctgaaa	tatcgtcact	caaagcaacg	ctgagcggga	aagaagcgga	agtctccagc	1260
ctgaagaatg	ctgttgacga	tgctgaacgg	cgcgttgggc	gaagctcttg	a	1311

<210> 13028

<211> 1155

<212> DNA

<213> A.fumigatus

<400> 13028

gcgaagcggg	cagacagcta	tccatatctg	ttctccgcca	acggctctctt	cggcaaattt	60
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tggttgttct	tgcaagagaa	ccatcctggt	ctgcagcatc	agaatgctgc	cggaaacctt	180
gatcatacat	ctgctgaaag	tccactcctg	gccaccgcag	gagcgacagc	caatgcaggt	240
gtagatctac	gtgcggaatc	atatggtacc	ttcaaccaag	ttcgcttgca	ggcagatgaa	300
gactgggttg	tgaatgccga	cggttcgaaa	tacaagacgc	aaaaacaacc	tgttttcacc	360
taccgagttg	tctcgctcat	cattgcgtta	tccatcttta	cctatcactc	catgacgtac	420
gatcatctct	tgcctatatt	cttgcaggat	aagaatggca	ggaatacttc	gggcttcagt	480
aacgcgccat	ttagctttct	tggcggactc	ggcctttcta	cacggacagt	cggccttatt	540
atgtcttcgg	atggcatcat	tgcgctcggt	attcagagtt	gcattttccc	cattctggcc	600
cagttactgg	gggtctggag	actattcggt	gtggtgactg	tgttgcatcc	tctcgctac	660
ttcatcggtc	cattcctcat	tttctacccc	caaagcttcg	tcattcttcg	catttacata	720
tgcctcatcg	ttcgcaagat	actttcgata	atcgattacc	ctgtgctgct	gattctcatc	780
aagcaagcat	gcccttcgga	atcggtcagt	ggcaagatca	atggactagc	tgttctgccc	840
ggtgcgcgtg	ctaggactat	tgcctcctct	attgctgggt	tctgtacag	taccggtgcc	900
gatatgaatt	tactgctat	tgcattggtg	ggaagctctt	tgattgctgt	tattggtgct	960
gtgcagctgt	gcttcatgaa	gcacaagaaa	catacctccg	ctacaattcg	gccggtatg	1020
ccttgccatt	atcaatacgt	tccagacgag	tcccgccttc	agaaggagac	catccatata	1080
atagtgcgg	acaccgatgc	taatgcagac	ggtgctggta	cgtcgcaatc	ccgccgttat	1140
tgtttttga	catag					1155

<210> 13029

<211> 696

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (486), (493), (495), (496), (534), (556), (603)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13029

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gagaccgcaa	gggaagtaca	agatgccgtc	gaaaagggtg	cacgtgagct	ccacactttg	180
tacaagagca	aacatgaaac	caaggttgct	gctttgaaga	agagctacga	agctcggtgg	240
gaaaagcgcg	tgcgagaagc	cgagagcaaa	ttcaaagccg	tcagtgagga	gaatgaacgg	300
ttgagaaacg	agcgcgatgc	tgcattgtcg	gaggcttccc	gtcctgatgc	tagcatcatg	360
gcacaccaga	atgatgagca	cgaagcagag	aaacacgttc	tggcggccca	aatcaagggg	420
ctgcagcaag	aaatggagac	actcaagcag	gacaacgaac	gcttgcatgc	cgagttgaaa	480
gtttanagag	canannaggg	agagctcgtc	gccgccgtgg	atgaatggct	ggcnatgcag	540
caaaacgtgc	cccagnccgt	ccgccccccc	cggagtctcc	cgttggtgat	tgttgagtat	600
ganacaccga	agccggaacc	tgcccccgcc	ccatccaccg	aaagagtcca	ggaaaaatta	660
ttggccccag	ttgactcccc	tggtatcccc	gctgct			696

<210> 13030

<211> 324

<212> DNA

<213> A.fumigatus

<400> 13030

cttacgcgca	gccgagagct	ggctctccaa	ctccaccatg	cgcctttcca	gatgttcccg	60
gttctactcc	gcctctctca	gctttctaat	aagccgctcc	ttctcccgtt	caccttcaac	120
aatatctgcc	ctaacagttc	gcaagacgtc	ttccatctct	tgaccccgcc	gctgccattc	180
ggcttgctca	atttcgagag	cttctttccg	cgcagcttca	ttacggattt	cctcaagagc	240
ttcgcccaac	gcgccgttca	gcattctgaa	cagcattctt	caggctggag	acttccgctt	300
ctttcccgcg	cagcggttgc	ttga				324

<210> 13031
 <211> 873
 <212> DNA
 <213> A.fumigatus

<400> 13031
 ctcgtagagg gctcgcaccc cctgatgggt cagtacaacc aatccctccc ctacgatcgt 60
 atctttttgga agcaggatat tgccggctcc attgccttcg cccggggccaa caccaagagc 120
 ggcatactga cccagcacga gttctccgag atcgagcgcg gattcaagca gatcgccgag 180
 gaatggagca ccaacacctt cgtcgtcaag gagagcgacg aggatatcca cacagccaac 240
 gagcgccgac tctcggagat catcggcaag gagatcggag gcaagctgca caccggccgg 300
 tcccgcacag agcagattgc aaccgacatg cgcctgtggc tgcgggatga gctgcgcaag 360
 ctggacgccg tcctgtgcga tctcatcaag gtgtcgatcg cgcgcgccga gaaagagctc 420
 gacttcatca tgcccggtta caccacttg cagaaggccc aaccctccg gtggagccac 480
 tggtactgt cgcattgccac cgcttttcgcc agtgagctgc agcgtctgcg ggaggtcacc 540
 cggcgtgtca accgcagccc ctggggcacc ggcgctcttg ccggaaccc cttccagatc 600
 gatcgggagg caatggccgc ggagctgggc ttcgacggtc tgctgtacaa ctcgatgaac 660
 gcgggtggccg accgggactt tgccatggag acgatgcagt ggggaagctc attcatgctc 720
 aagatctctc gctgggcca ggatctgatc atctacagca gtttgagtt tggtttcgtc 780
 cggttgtctg acgcgtactc gaccggctcg tcgttgatgc ctcagaagaa gaacgcaggt 840
 gagtttttct cttgtgttta ctttcatcct tga 873

<210> 13032
 <211> 246
 <212> DNA
 <213> A.fumigatus

<400> 13032
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 gctcctttct cgcatttctc tctcctcttc aattcatcca ttccttcgtc tacagcttcc 120
 acaatgagtg ctcccaaagc tgctcgagag aacatgctct ggggtggtcg attcacccgt 180
 gtgtaccccc tccccagct tcaattcctc cgaatactac taacctattt atcttttgac 240
 tcgtag 246

<210> 13033
 <211> 528
 <212> DNA
 <213> A.fumigatus

<400> 13033
 cccagcacga gttctccgag atcgagcgcg gattcaagca gatcgccgag gaatggagca 60
 ccaacacctt cgtcgtcaag gagagcgacg aggatatcca cacagccaac gagcgccgac 120
 tctcggagat catcggcaag gagatcggag gcaagctgca caccggccgg tcccgcacag 180
 agcagattgc aaccgacatg cgcctgtggc tgcgggatga gctgcgcaag ctggacgccg 240
 tcctgtgcga tctcatcaag gtgtcgatcg cgcgcgccga gaaagagctc gacttcatca 300
 tgcccggtta caccacttg cagaaggccc aaccctccg gtggagccac tggtactgt 360
 cgcattgccac cgcttttcgcc agtgagctgc agcgtctgcg ggaggtcacc cggcgtgtca 420
 accgcagccc cttgggcacc ggcgctctgg ccggaaccc cttccagatc gatcgggagg 480
 caatggccgc ggagctgggc ttcgacggtc tgctgtacaa ctcgatga 528

<210> 13034
 <211> 405
 <212> DNA
 <213> A.fumigatus

<400> 13034

acgagaccag	acagcctgga	gcttctgcgt	ggcaaggcgc	gtcgtgcctt	cggccacatg	60
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agcgtcgagc	cgctgctgga	ccacatcaag	acggtcagcg	atagcatcca	gatcgccacc	180
ggcgtcctgt	cgaccctcac	cgctctcccc	gagaagatga	ccgccgcact	ggcgcccgaa	240
atgctggcca	ccgaaatcgc	cgactacctt	gtccgcaagg	gcgtcccctt	ccgcgagggc	300
caccacatct	ccggccgggt	cgtcgccttg	gccgagaaga	acaacgtccc	catggacact	360
ctgtcactcg	aacagcgtct	tcaccaggcg	gcggaaggac	aggat		405

<210> 13035

<211> 1026

<212> DNA

<213> A.fumigatus

<400> 13035

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agccccaccg	gcgtcgagaa	cgccgtgtgc	aggttcacgc	tgccgttgag	cttgggcgcc	120
aggccgctct	tccagtcggc	cagcgtcatc	tgctcgaaga	tcgcgtcgcg	caggagcatg	180
gcgccctgga	tgacgccccg	cacgggtggg	agaccctcgt	cctcgcaggc	gcggcgggcc	240
ttggcgaggg	agctggctag	ggcgatgtcg	cagctgaccg	gcttcacgcg	gcagccggcg	300
gcgcgtagct	cgcggacgaa	cagagcgccc	tcggcgtttt	ggttctgggc	gagatcgaga	360
tcgccggcgc	tgccgggagag	gaggatccgg	ttctggggcg	cgtggtcgac	cagccagtgc	420
gcgatagacc	ggccaatgcc	gccgacgcgc	cccacgacca	ggtatgatgc	atcggagcgc	480
agtccgggtc	gaggggtgat	ccccttgggc	cgtgggacta	ctggaacgac	ctcctctggg	540
cccgccggca	gcacaacctt	tcccatgtgt	gccccgtctt	gcaggaatcg	aaaggcgtcc	600
tgacatgct	gcgtgggtgc	acagcgacgg	ggttggacgg	gcttcagggc	gcgctggtcc	660
accagacggg	tgacctcgcc	caggatgcgg	tggatgtcgg	gtccgcgacg	gcgcaagagc	720
gtgggcacat	ccaacgaggc	cagcgagatg	ccgcgcgaga	agcactccag	cgcgaccagg	780
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ccctcggtgg	cggccaggac	cgctggggca	aacgaagcgt	cgcggtcgtc	gaagatgcgc	960
tcggcaggga	tgccgtactc	gcgcgtgagg	aggtctcgtc	tctcctgcga	cccggctgtc	1020
gcgtag						1026

<210> 13036

<211> 1659

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1309)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13036

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tcattgctgg	cagacacttg	ggcgggacgg	agatctctac	gcgacagccg	ggtcgcagga	180
gaagcgagac	ctcctcacgc	gcgagtacgg	catccctgcc	gagcgcactc	tcagcagccg	240
cgacgcttcg	tttgccccag	cggtcctggc	cgccaccgag	ggcgcggggg	tcgacgtcat	300
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ccatctgatc	gaattcggca	agaaagagat	cgagacgaac	agcctggctg	cgctggagtg	420
cttctcgcgc	ggcatctcgc	tggcctcggt	ggatgtgccc	acgctcttgc	gccgtcgcgg	480
accogacatc	caccgcatcc	tgggcgaggt	caccgctctg	gtggaccagc	gcgcctgaa	540
gcccgtccaa	ccccgtcgct	gtgcacccac	gcagcatgtc	caggacgcct	ttcgattcct	600
gcagacgggg	gcacacatgg	gaaagggttg	gctgccggcg	ggcccagagg	aggtcggtcc	660
agtagtccca	cggcccaagg	ggatcacccc	tcgacccga	ctgcgctccg	atgcatcata	720

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cctgggtcgtg ggcgggcgctcg ggggcattgg ccgggtctatc ggcgactggc tggtcgacca 780
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ccaaaacgcc gagggcgctc tgttcgtccg cgagctacgc gccgcccggc gccgctgaa 900
gccggtcagc tgcgacatcg ccctagccag ctccctcgcc aaggcccggc ggcctgca 960
ggacgagggg ctcccaccgc tgcggggcgt catccagggc gccatgctcc tgcgcgacgc 1020
gatcttcgag cagatgacgc tggccgactg gaagagcggc ctggcgccca agctcaacgg 1080
cagctggaac ctgcacacgc cgttctcgac gcgcggtggg ctcgacttct tcgtcatgct 1140
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ccttggaacc atctcgaca ttggctacgt ttcgcaaaaa gcaatgtcnc caaacgctgc 1320
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ttgctgttac cgcttcggac gagcagccgc cccagctcg tcgtcgccct caactccgag 1440
cctggcccgc agtgggatcc cgccggcggc tccagctcg gacgtgatgc gcgattcttg 1500
cacctgcggc cgcgccggaa ggctcgccg catggcaaa cggccgatgg cggcgccgac 1560
agcagcagtg tctcgctggc gacacagctt gcggggcgcg cctcccggc aagaggctgc 1620
ctcgctcacc ggggctgcca ttgctcgaa gctggctga 1659

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<210> 13037

<211> 213

<212> DNA

<213> A.fumigatus

<400> 13037

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ataatctatc gtctaaactg catatactcg cagaaccctg tgcactgctt cctcacggta 60
ggtgacaata tggcatggaa cgcgcccatt aatcaaatac tcgtcatttg caactgtagc 120
gagatctgct tctctgtcca ggacgccaca gaggatatct atttcattgc tgtaaagtgt 180
gccgacgtgc cgatgatccc tgccctggtt tag 213

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<210> 13038

<211> 1668

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1623)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13038

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tctcccagcc gaagcgcaat cgaagacgca cgcccagaaa aagggttcgg acatcaagac 120
gaccgagacc ggtgtcgtgg tgagctgcac ggatgggacg tcccacgagg gctcgatgg 180
cattggcgcg gacggcgctg acagcgtggg gcgcaaacac atacaactga tggctctcag 240
ggagcagcca gcggcgaagg aggagcgacc ctctctcacc acctaccgcg ccttttggat 300
gctgatgccc ctgatcccgg gtctcaaggt cggcgacgca tacgagaccc acggggccgac 360
catcacgatt caattctagc gggattgtca accgtgagga aggggtgggtc aagaattgga 420
gctggggcgg cccatcatgc tggccagaca cttggggcggg acggagatct ctacgcgaca 480
gccgggtcgc aggagaagcg agacctctc acgcgcgagt acggcatccc tgccgagcgc 540
atcttcagca gccgcgacgc ttcgtttgcc ccagcggtcc tggccgccac cgaggggcgc 600
ggggtcgacg tcatgtcaa ctcgtgccc ggtccactcc tgcaggccag cctcagcgtc 660
atcgcgcccc tcggccatct gatcgaattc ggcaagaaag agatcgagac gaacagcctg 720
gtcgcgctgg agtgcttctc gcgcggcatc tcgctggcct cgttgatgtg gcccacgctc 780
ttgcgcgctg gcggaaccga catccaccgc atcctgggcy aggtcaccgc tctggtggac 840
cagcgcgccc tgaagcccgt ccaaccccgt cgctgtgcac ccacgcagca tgtccaggac 900
gcctttcgat tcctgcagac gggggcacac atgggaaagg ttgtgctgcc ggcgggccca 960
gaggaggtcg ttccagtagt cccacggccc aaggggatca cccctcgacc ccgactgcgc 1020

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tccgatgcat	catacctggt	cgtggggcggc	gtcggcggca	ttggccgggtc	tatcgcgcac	1080
tggctgggtcg	accacggcgc	ccagaaccgg	atcctcctct	cccgcagcgc	cggcgatctc	1140
gatctcgccc	agaaccaaaa	cgccgagggc	gctctgttcg	tccgcgagct	acgcgccgcc	1200
ggctgcccgcg	tgaagccgggt	cagctgcgac	atcgccctag	ccagctccct	cgccaaggcc	1260
cgccgcgcct	gcgaggacga	gggtctccca	cccgtgcggg	gcgatcatcca	gggcgccatg	1320
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cccaagctca	acggcagctg	gaacctgcac	acggcgttct	cgacgcgcgg	tgggctcgac	1440
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gccgcgggtg	gctcctacga	ggatgcgctg	gcccgcctggc	gccaggcccg	gggtctcccc	1560
ggcgtatcga	tcgaccttgg	acccatctcg	gacattggct	acgtttcgca	aaaagcaatg	1620
tcnccaaacg	ctgcgcaagg	acggaaactc	cccattgctcg	acaagtaa		1668

<210> 13039

<211> 798

<212> DNA

<213> A.fumigatus

<400> 13039

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agctcgctcg	cggcctcaac	tccgagcctg	gcccgcagtg	ggatcccgcc	ggcggtctcc	120
agctcggacg	tgatgcgcga	ttcttgcaac	tgcggccgcg	ccggaaggcg	tcgccgcatg	180
gcaaagcggc	cgatggcggc	gccgacagca	gcagtgtctc	gctggcgaca	cagcttgccg	240
ggcgggcctc	cccggcaaga	ggctgcctcg	ctcatcgggg	ctgccattgc	ctcgaagctg	300
gctgatatct	tcattggcgcc	cgtgacggag	atcgacctga	gcaagccgcc	tgcgcacttc	360
ggggtcgact	cgtcgatcgc	tgtcgagctg	cgcaacatgc	tggctcctgca	ggctgccgcg	420
gacatttcga	tattcaatct	cttgcaaact	ccgtccttgg	ctgccctggc	tgcgagcgctg	480
gcggaaaaga	gtcgccacgt	tcacgcggct	gottacactc	acgttctggg	tcctgggtgc	540
atactaacia	ggttcctctc	cagctatgaa	cccatgctgg	gcagagatga	agaggctgag	600
tatccaggga	tggcccaggc	cagaagggaag	gaacagttca	attgcgggtg	tggacattct	660
acatatttct	gtgcactttg	ctttattttg	ttccttattg	gctatattct	acgcgttgaa	720
ggtagtagta	ctctgggtag	atctgaattt	acccgaccgc	attgctcgtc	catggataat	780
agtattaaat	atagataa					798

<210> 13040

<211> 420

<212> DNA

<213> A.fumigatus

<400> 13040

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acctccaggc	gcagggattt	gctgcaggtc	ctttgggagt	ctctcccagc	cgaagcgcaa	120
tcgaagacgc	acgcccagaa	aaagggttcg	gacatcaaga	cgaccgagac	cgggtgctgtg	180
gtgagctgca	cggatgggac	gtcccacgag	ggctcgatgg	tcattggcgc	ggacggcgcg	240
tacagcgtgg	tgcgcaaaca	catacaactg	atggctctca	gggagcagcc	agcggcggaag	300
gaggagcgac	ccttcctcac	cacctaccgc	gccttttgga	tgctgatgcc	cctgatcccc	360
ggtctcaagg	tcggcgacgc	atacgagacc	cacggggccga	ccatcacgat	tcaattctag	420

<210> 13041

<211> 573

<212> DNA

<213> A.fumigatus

<400> 13041

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catacgccct	tggataaagt	gaaagtgggtc	atcatcgcc	aagatccgta	tcacaaccat	120
aaccaggctc	acgggtctagc	attctcgggtt	cggcccccca	ctcctgctcc	tcctctctcg	180

gtgaacatct	ataccgggat	caaaaatgac	taccctactt	tccagccccc	gccaaacaag	240
ggtggccttt	tgataccttg	ggctgagcga	ggagtactca	tgctcaacac	ctgcttaaca	300
gtccgcgccc	atcaggcggc	aagccattca	aacaaaggat	gggaacgttt	cactcaaaag	360
gccatcgaca	ctgtcgctcg	agtacgaact	aatgggtgtg	tttttctggc	ttggggctcg	420
ccagcagggg	agcgcgtagc	aggtatcaac	cggcaaaagc	attgcgtttt	gcagtcgggt	480
catcctagcc	cgctcagcgc	tcacagaggg	tttgtaagtc	ctgcttcact	ccttcgccat	540
catagcacac	actaccgagc	cctgggtgtac	tga			573

<210> 13042

<211> 300

<212> DNA

<213> A.fumigatus

<400> 13042

ttcaacaatg	gccatttcaa	aaaatgcaac	gagtggctcg	ccaaacgcta	tggtccggat	60
ggcatcattg	actggagtct	gaccccgaaa	acgacaggcg	gctcgcttgc	cgccgtctcg	120
gaccaagctc	ctatgattga	ccaagtgaag	acatccacct	cgaaagtgct	tgattcgaat	180
tcttccgagg	agagcaaagt	tgctagcgat	aaacgtctgg	acgctgacgg	attgcttgat	240
gaatttgacg	atgatgtcga	tgcaacttgag	gttctagctg	cagctgaggc	tgcaacatga	300

<210> 13043

<211> 582

<212> DNA

<213> A.fumigatus

<400> 13043

catttctttt	ttttctggaa	tttattatac	tactcccgta	gtactacccc	ttcgtccttc	60
tcaagttgcc	gatatcaaca	gtcaagctct	gttcacaaca	cacaaaggga	gcgcgtcatg	120
gccagtcgga	cagggctcaa	acgtactgct	aaccatctat	caacaccagc	gtgtgatgcg	180
aagaagccca	gagccaatgg	cagtatcacg	tccttctttg	gtgcccctaa	gcccagcat	240
ggcgatacca	aaacattgac	catttctgtc	tcttctctga	acttcaacaa	agacaaatgg	300
gtggcatcat	tgactcctga	gcaacaagaa	ctcctgcgac	tggaatcga	tacgttacat	360
gaaagctggc	tatctagact	caaggaggag	ctggtcacgc	cggaattctt	ggggttgaag	420
cgatttttga	aaaaggagaa	ggagtcgggt	gcaaagatct	ttcctccaga	gaatgagatt	480
tactcttggg	acaatcctag	ccatttcctc	cacgaggcgc	gtcgaactat	gttgctaaaa	540
cgatcaacct	caggtctcga	catacgcctc	tggataaagt	ga		582

<210> 13044

<211> 183

<212> DNA

<213> A.fumigatus

<400> 13044

ccgtggggaa	caataggaca	gcgaatcgag	attgaaaggc	tgccggcgaga	gattcgctac	60
acccgcaa	ccagacagct	catcaaggat	gatcagctcc	tctatattct	cacaggggta	120
gccgatttcc	gacaattgcg	aactagcaga	cctaagacaa	atgctccaac	aaccaaacaa	180
tga						183

<210> 13045

<211> 249

<212> DNA

<213> A.fumigatus

<400> 13045

gctgtctgga	tttgccgggtg	tagcgaatct	ctcgccgcag	cctttcaatc	tcgattcgct	60
gtcctattgt	tccccacggt	cagtgacatg	gcctcaaaac	aagggggaaa	attccgcctt	120

actcttggat tccagcaaga tttggaggac ttaatttctt gttataacct gatcatcccc 180
 ttgcatgttc tgtctattgt tctcccttgc agcgatatcc tgtatatctg cccataatttg 240
 atggagtaa 249

<210> 13046

<211> 246

<212> DNA

<213> A.fumigatus

<400> 13046

ccttgttatt ccttctcagg tacacttggc gctctaacta cgatcggggt gacagcgacg 60
 acggagatga catcctctgc ctcaatgata tcctcgacaa cgacgggggg tccatcacca 120
 ggggcaagta cagtagcggc tgaacgaac acctctgctc cactcgagcc gaaccagctc 180
 ggaagcagac cggagtcacg gcaggcgctg cagttggcgg tttcctcggt ttggetgcca 240
 tcataa 246

<210> 13047

<211> 288

<212> DNA

<213> A.fumigatus

<400> 13047

gaatcctgca cggatcatac atggcgtagc tctgcctgtc cattgttctg cattaacctg 60
 gacctctga acctgaacaa tcttgctggg gggcaaggga ttaaaaagtg tccaaacaca 120
 gatttggata tgtactactg catcgactat aatatgggga atgccaacta cagtgtctca 180
 caacaggtgt tgattttcaa gggatgtcgc cagccatata ttgggattct cgcaggggac 240
 ccaattgctg accttggtat tccttctcag gtacacttgc cgctctaa 288

<210> 13048

<211> 1128

<212> DNA

<213> A.fumigatus

<400> 13048

tccttccacc cccgtgggtga agactccaaa cctccgacta acaggatcag accaatgaca 60
 agcacgctct acaagcccca tcccaccgag cagatgaaag ccgcgcagtg gatgggcacg 120
 cgcttgatcc agctcgacac cgctcgccaaa cccaccatca cggaccccg cggacgccatc 180
 atccacatca cccactgcac catcggcggc gcagacctcc acctctacga cgggggaactg 240
 agcgacatgc tcgcccaggg cgacatcctc ggccacgagg cgatcggcac cgtcgaggac 300
 gccggcgaag cggtcgcgag catctccccg ggcgaccgag tcatgatcct ccccgatgc 360
 gcctgcggac actgagaggt ctgcaagagg caggagttct cgctgtgcga cagcagcaat 420
 ccctcgcgcg agatggagag cgcgtacgga caccgggtgg cgggcatgct ggggttcaca 480
 cggctgtacg gcgggtatcc cggagcgcag gcggagtacg tgcgggtcca gcacgcggac 540
 ttctgctgcg tccgggtgcc ggcggacatg gacgcgaagg agctgctggg gctggcgcat 600
 gtcaccaccg ctgctgtggc tgggtgcgag ctggcggacg tccagccggg ggataccgtg 660
 ggtgtttggg ggtgtgggcc cgtcgggcta tcggtgcagc ggctggcggt cctgcgcggg 720
 gcgacgaagg tgtaacgcgt tgacaaggac gcgggtcgct tgcagattgc cgaagggttt 780
 gggatgattc cgggtgatgt cggcgtgcat tccgaggtcg gggactatat cctgtcgatg 840
 gagccccgag ggttggactg cgcggctcag gcgagtgggt ttcggagtac gcagaaaccg 900
 cagcatgcgg cgatgcgggc gattgggctg gagcatgaca gcagcgatac ggtgtcggcg 960
 atgatcaagg cgaccagaaa gggaggccat ctgcgcgtgc tgggggattt cttctatcgc 1020
 acgaatgatt ttcccatcgg gccgttgatg gaaaagggat tgacgatccg gggcgggcag 1080
 gtcaattctc aaaaggcatt caccgtcgca gatatgcgtg tgaactga 1128

<210> 13049

<211> 408

<212> DNA

<213> A.fumigatus

<400> 13049

acggccatgt	ggaatgccac	ttctcccaca	gcacgggggc	cacatggtct	ccccccaaat	60
ttgtctctc	ccccctctc	ccccccacg	gcatggcccc	cggcctcaac	tacggccaac	120
aagcctacga	aggcctcaaa	gccttcgcgc	acccatcggg	ccacatctcc	atcttcgcgc	180
cgcaccgcaa	cgccgcgcgc	ctccgcgcgc	ccgcagagtt	cgtctccatg	ccccccgtcc	240
cggaggatct	cttctgcaa	tgcgtcaagc	tgcgcgtcgc	cgccaacgcc	gagttcgtcc	300
cgccccatga	aaccggcgcc	gcgatgtaca	tccgccccct	gctcttcggg	tgcgcgcgc	360
agctgggcct	ctccccgcca	gacgcatata	cctttgtggt	gtttgtga		408

<210> 13050

<211> 429

<212> DNA

<213> A.fumigatus

<400> 13050

tcgcctgcgg	acactgcgag	ttctgcaaga	ggcaggagtt	ctcgtctgtc	gacacgacga	60
atccctcgcg	cgagatggag	agcgcgtacg	gacaccgggt	ggcgggcatg	ctgggggttca	120
cacggctgta	cgggcggtat	cccgagcgcg	aggcggagta	cgtgcgggtc	cagcacgcgg	180
acttctgctg	cgtccgggtg	ccggcggaca	tggacgcgaa	ggagctgctg	gggctggcgc	240
atgtcaccac	cgtcgcgtgg	catgggtgcg	agctggcgga	cgtccagccg	ggggataccg	300
tgggtgtttg	gggggtgtgg	cccgctcggg	tatcggtgca	gcggctggcg	gtcctgcgcg	360
gggcgacgaa	ggtgtacgcc	gttgacaagg	acgcgggtcg	cttgcagatt	gccgaagggg	420
ttgggatga						429

<210> 13051

<211> 507

<212> DNA

<213> A.fumigatus

<400> 13051

catcatctca	tcatctctca	tcttcaacta	tacacatcag	ctactcaatt	catatacaca	60
atgtcattcc	ctctcccccc	cgtcgacacc	atcgactggg	ccaacgtcgg	cttcaaagtc	120
cgtgacggta	agctcccttt	cccccttcc	cccacctcag	ctcccaccag	ctcccgccag	180
ctaacatcac	ctagttaaag	gccatgtgga	atgccacttc	tcccacagca	cggggggccac	240
atggtctccc	cccaaatttg	tctctctccc	cttctctccc	ctccacggca	tggcccccg	300
cctcaactac	ggccaacaag	cctacgaagg	cctcaaagcc	ttccgcccac	catcgggcca	360
catctccatc	ttccgccccg	accgcaacgc	cgcgcgcctc	cgccgctccg	cagagttcgt	420
ctccatgccc	cccgctcccg	aggatctctt	cctgcaatgc	gtcaagctcg	ccgtcgccgc	480
caacgcgcag	ttcgtcccg	cccatga				507

<210> 13052

<211> 702

<212> DNA

<213> A.fumigatus

<400> 13052

caggatcaga	ccaatgacaa	gcacgctcta	caagccccat	cccaccgagc	agatgaaagc	60
cgcgcagtgg	atgggcacgc	gcttgatcca	gctcgacacc	gtcgccaaac	ccaccatcac	120
ggaccccgcg	gacgccatca	tccacatcac	ccactgcacc	atcggcggcg	cagacctcca	180
cctctacgac	ggggaaactga	gcgacatgct	cgcccagggc	gacatcctcg	gccacgaggg	240
gatcggcacc	gtcaggagcg	ccggcggaagc	ggtccgcagc	atctccccgg	gcgaccgcgt	300
catgatcctc	cccgatgatcg	cctgcggaca	ctgcgagttc	tgcgaagggc	aggagttctc	360
gctgtgcgac	acgacgaatc	cctcgcgcga	gatggagagc	gcgtacggac	accgggtggc	420

gggcatgctg	gggttcacac	ggctgtacgg	cgggtatccc	ggagcgcagg	cggagtacgt	480
gcgggtccag	cacgcggact	tctgctgctg	ccgggtgccg	gcggacatgg	acgcgaagga	540
gctgctgggg	ctggcgcatg	tcaccaccgc	tgcgtggcat	gggtgcgagc	tggcggacgt	600
ccagccgggg	gataccgtgg	gtgtttgggg	gtgtgggccc	gtcgggctat	cgggtgcagcg	660
gctggcggtc	ctgcgcgggg	cgacgaaggt	gtacgccgtt	ga		702

<210> 13053

<211> 1083

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (456)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13053

catcacctag	taaacggcca	tgtggaatgc	cacttctccc	acagcacggg	ggccacatgg	60
tctcccccca	aatttgtctc	ctcccccttc	ctccccctcc	acggcatggc	ccccggcctc	120
aactacggcc	aacaagccta	cgaaggcctc	aaagccttcc	gccaccctac	gggccacatc	180
tccatcttcc	gccccgaccg	caacgcgcgc	cgcctccgcc	gctccgcaga	gttcgtctcc	240
atgccccccg	tcccggagga	tctcttctctg	caatgcttca	agctcgccgt	cgccgccaac	300
gccgagttcg	tcccggccca	tgaaaccggc	gccgcgatgt	acatccgccc	cctgctcttc	360
gggtcgtccg	cgcagctggg	cctctccccg	ccagacgcac	atacctttgt	ggtgtttgtg	420
atgccgaccg	gcgtttacca	cggcgtgcat	gccgtngatg	ccctgatcct	ggaagacttt	480
gaccgcgccg	cgccccaggg	caccgggtcg	gcgaaggctg	ggggcaacta	tgccgccgtg	540
ctgcccgcata	gcgcgcgcgc	cgcggcgag	gggttcggca	tcaccctgca	cctggatagt	600
cggacgcggg	cggagatcga	tgagttctcg	acgtcggcgt	ttatcggggt	gcccagggat	660
ggagacaagg	tcacgctggt	gcagccggac	agtacgaacg	tgattgattc	ggtgacggcg	720
cggtcgggtg	gtgagattgg	ggagcgactc	tttggtctcg	cggtcgagaa	gcgacgcatt	780
ggctacgatg	agatcaagga	gtttcacgag	gtgattgcgg	cgggcacggc	ggcggcgctg	840
gtcccgatcc	ggagtatcac	gatgcggtcg	cgcggggaga	agtttacgtt	cgactgcggc	900
gcggatgggc	aaagtggggg	cgagatctgt	atcaaactgt	tgacagacct	caaggggatc	960
caggccggga	agatcgagga	tccgtttggg	tggaattgtc	tcgtggatca	ggccccgcgc	1020
gcggcatggc	ttgaaggcgc	aacggggcag	gagggtgaca	ccgaggggat	cgggtgtgcca	1080
tag						1083

<210> 13054

<211> 309

<212> DNA

<213> A.fumigatus

<400> 13054

caggcgaggaa	tcgtcacgta	cagcgtgtgg	tcgatgcacc	gccgcgagga	catttacggc	60
ccggatgcga	acgagttccg	gccggagcgc	tgggcggacc	ttcgcccggg	atgggagtat	120
cttcctttca	acggggggccc	gcgtatctgc	gtgggacagc	agtacgcgct	gaccgaggca	180
gggtatgtga	cggtcgggct	ggcgcagcag	tttgcggtgc	tggagagtcg	ggatccgggc	240
ccgtgggagg	agaatttgac	cctgacgttg	tgttcgagga	atgggaccaa	ggtgagcctg	300
cgggaattag						309

<210> 13055

<211> 1209

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (760)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13055

ttttctcgat	cgcagtcctt	tctgcgtcat	gtatctacat	ttgacttctc	tacttttgat	60
gacgctcttc	ttgtatgtat	gaataatcat	gaaagatttc	aacgtcggga	ttcattggct	120
acagctacaa	tactatggca	caccgatccc	ctcgggtgtca	ccctcctgcc	ccgttgcgcc	180
ttcaagccat	gcccgcggcg	gggcctgata	cacgagacaa	ttccacccaa	acggatcctc	240
gatcttcccg	gcttggtacc	ccttgagggg	ctgcaacagt	ttgatacaga	tctcgccccc	300
actttgccc	tccgcgccgc	agtcgaacgt	aaacttctcc	ccgcgcgacc	gcacgtgat	360
actccggatc	gggaccagcg	ccgcgcgcgt	gcccgcgcga	atcacctcgt	gaaactcctt	420
gatctcatcg	tagccaatgc	gtcgttcttc	gaccgcgaag	ccaaagagtc	gctccccaat	480
ctcacacacc	gaccgcgcgc	tcaccgaatc	aatcacgttc	gtactgtccg	gctgcaccag	540
cgtgaccttg	tctccatccc	tccgcacccc	gataaacgcc	gacgtcgaga	actcatcgat	600
ctccgaccgc	gtccgactat	ccagggtgcag	ggtgatgccg	aacctctccg	ccgcggcgcg	660
cgcgctatgc	cgcagcaccg	gcgcatagtt	gcccccgacc	ttcgccgacc	cggtgccctg	720
gggcgcggcg	cggtcaaagt	cttccaggat	cagggcatcn	acggcatgca	cgccgtggta	780
aacgcgggtc	ggcatcacaa	acaccacaaa	ggtatatgcy	tctggcgggg	agaggcccag	840
ctgcgcggac	gaccgaaga	gcagggggcg	gatgtacatc	gcggcgccgg	tttcatgggg	900
cgggacgaac	tcggcgttgg	cggcgacggc	gagcttgacg	cattgcagga	agagatcctc	960
cgggacgggg	ggcatggaga	cgaactctgc	ggagcggcgg	aggcgcgcgg	cgttgcggtc	1020
ggggcggaag	atggagatgt	ggcccgatgg	gtggcggaag	gctttgaggc	cttcgtaggc	1080
ttgttgcccg	tagttgaggg	cgggggccat	gccgtggagg	gggaggaagg	gggaggagac	1140
aaatttgggg	ggagaccatg	tggcccccg	gctgtgggag	aagtggcatt	ccacatggcc	1200
gtttactag						1209

<210> 13056

<211> 600

<212> DNA

<213> A.fumigatus

<400> 13056

tcccgcacct	cggaatgcac	gccgacatcc	accggaatca	tcccaaacc	ttcggaatc	60
tgcaagcgac	ccgcgtcctt	gtcaacggcg	tacaccttcg	tcgccccgcg	caggaccgcc	120
agccgctgca	ccgatagccc	gacgggcca	cacccccaaa	caccacgggt	atcccccgcc	180
tggacgtccg	ccagctcgca	cccattgccac	gcagcgggtg	tgacatgcgc	cagccccagc	240
agtccttcg	cgtccatgtc	cgccggcacc	cggacgcagc	agaagtccgc	gtgctggacc	300
cgcacgtact	ccgcctgcgc	tccgggatac	ccgcctgaca	gccgtgtgaa	ccccagcatg	360
cccgcacccc	ggtgtccgta	cgcgctctcc	atctcgcgcg	agggatccgt	cgtgtcgcac	420
agcgagaact	cctgcctctt	gcagaactcg	cagtgtccgc	aggcgatcac	ggggaggatc	480
atgacgcggg	cgcccgggga	gatgctgcgg	accgcttcgc	cggcgtcctc	gacggtgccg	540
atcgctcgt	ggccgaggat	gtcgccttgg	gcgagcatgt	cgctcagttc	cccgtcgtag	600

<210> 13057

<211> 246

<212> DNA

<213> A.fumigatus

<400> 13057

gtgaagatga	gagatgatga	gatgatgtca	aggcagaagg	atgacgatag	gatgaggggt	60
gatttatatta	ttccgccgac	tgttgatgaa	ttgggccagg	cggggaacaa	cactacgcac	120
ccacgttggc	atgcaagagt	acctatcct	tcccacctta	tggatatgtt	catgtcaact	180
ccaaatagtt	atacagttag	ctatttagtt	agctcgttca	ctaattgcagc	tgaggtcaga	240
ccatga						246

<210> 13058
 <211> 363
 <212> DNA
 <213> A.fumigatus

<400> 13058
 tcatcgccga caccgtatcg ctgctgtcat gctccagccc aatcgcccg c atcgccgcat 60
 gctgcgggtt ctgctgactc cgaaacccac tgcctcgac cgcgcagtcc aacctcggg 120
 gctccatcga caggatatag tccccgacct cggaatgcac gccgacatcc accggaatca 180
 tcccaaacc ttctggcaatc tgcaagcgac ccgcgtcctt gtcaacggcg tacaccttcg 240
 tcgccccgcg caggaccgcc agccgctgca ccgatagccc gacggggcca ccccccaaa 300
 caccacgggt atccccggc tggacgtccg ccagctcgca cccatgccac gcagcggtagg 360
 tga 363

<210> 13059
 <211> 486
 <212> DNA
 <213> A.fumigatus

<400> 13059
 cttttgggta ggatcactgc ccaccccgat ctagacttcc tgggtggctgt caatcccaac 60
 agcggggcgg gcgacctccc ttccccgaac aaggattacg cccgcgaggt ccctaagctc 120
 aatgcgttcc ccaatgtcta caccgtcggc tacattcgta tccactactg cgataagcct 180
 ttggagaagg tctaccagga gatcgaccgg tatgcgagtt ggtccgcctg cgatgggtta 240
 ggggttagggg ggattctgct ggatgaaacg ccaaaccatt attcggaggc gagggaggag 300
 tacctgcgtg cttgtacagg gtttatcaag gggaatcaag gaattttacg cgatcggatg 360
 gtaagtagtc ttctgttttt tttttatatt tctagttttc taattttctc ctttttacia 420
 ttatcattct ttctttcttt ttatttgggt ttttctttcc atgggatggc tgcgaaccgc 480
 ggctga 486

<210> 13060
 <211> 978
 <212> DNA
 <213> A.fumigatus

<400> 13060
 tctagtctct atcccagcat gacttccagt tcacgtttctg caagaagccc atctgcttcg 60
 cctcgcactt tttctgaggt cccgacgccc gacagcgagg cggatggctt ggatacattg 120
 acgcccgtcc gggacggcga ggagtatgtc ctggtcactg gcggcctcgg attcatcggc 180
 agccacacct gtctggagct gctgaaagcg ggatacaatg tgctcatcgt cgacgacctg 240
 agcaacagct accgtcatgt cttctcccgg atcctgctgg ccgcaaaact gactgtgac 300
 cggacggacg gccactgtcc caaggcgacg ctgtacgacg tcgactaccg cgacacgtcc 360
 gccatgcgga agctcctcga cgcctatcag cgggacccat cgacacggca atcgaggatc 420
 atcgagagtc tccacttcgc cgcttcaag caggtcgaag agagcatcca caccctctg 480
 aagtactacc gcaacaacat caacgggctc gtcgacctcc tcgtcctgct cgaccagtac 540
 cgcataccca ccttcactct ctcctcgtcc gccaacgtct acggcacact cgccgagcac 600
 cggccccctc tccacgaaga cgcattgcacc caccagccag accccgggca gcgattcggg 660
 gcgttttcgccc ccgcggagat ccacaactcc cagatcacca acccctacgg ccgcaccaa 720
 ctcttcggcg aagccatcct cgcgacactg gcgcgcgcga accccgcctg gaccatggtc 780
 gccctacgct acttcaaccc caatcggtcg ggacgcgtcg ggctcctcgt ggcaaaaccc 840
 caagggcca cccctggaac ctgcgtcccc cccttgggga gaaacctcac ttggtcgacg 900
 aaccgaagct cctcatctac gggagtgact gggaagaccc cggacgggac cccccggccg 960
 gggattttat ccccgtaa 978

<210> 13061
 <211> 333

<212> DNA
<213> A.fumigatus

<400> 13061
gtcgtccata acccaggcac cccccccgac gcaggggttg ccaacacctg tccggatctg 60
attctgacct gcgaagagcc gtacgagagg tacagatccg acgaggtgca gcatcgccctg 120
gccgaactgc cctatgatcg ggtccgatgc ggggtacatga tcaatgcggt gctgtggggc 180
gagctgacgg gcctgggtgc cgaattgcgc gatcgcgcgga cgtatgtctt tgccacggag 240
gtggaggggg atttctacga gcgatttgga ccaaccagct ggaagcagtt gatgcatgcg 300
ctgaaacggg attcagattc ggagaccgtg tag 333

<210> 13062
<211> 447
<212> DNA
<213> A.fumigatus

<400> 13062
agtactaccg caacaacatc aacgggctcg tcgacctcct cgtcctgctc gaccagtacc 60
gcatcaccac cttcatcttc tcctcgtcgg ccaacgtcta cggcacactc gccgagcacc 120
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<210> 13063
<211> 702
<212> DNA
<213> A.fumigatus

<400> 13063
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<210> 13064
<211> 561
<212> DNA
<213> A.fumigatus

<400> 13064
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<210> 13065

<211> 222

<212> DNA

<213> A.fumigatus

<400> 13065

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acgacttgca	aggctagcga	gggcgggtgat	gtcgccggcg	atgtcaacac	cggctatgat	180
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<210> 13066

<211> 612

<212> DNA

<213> A.fumigatus

<400> 13066

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<210> 13067

<211> 1281

<212> DNA

<213> A.fumigatus

<400> 13067

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<210> 13068

<211> 1767

<212> DNA

<213> A.fumigatus

<400> 13068

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<210> 13069

<211> 882

<212> DNA

<213> A.fumigatus

<400> 13069

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<210> 13070

<211> 477

<212> DNA

<213> A.fumigatus

<400> 13070

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<210> 13071

<211> 771

<212> DNA

<213> A.fumigatus

<400> 13071

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<210> 13072

<211> 606

<212> DNA

<213> A.fumigatus

<400> 13072

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<210> 13073

<211> 897

<212> DNA

<213> A.fumigatus

<400> 13073

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<210> 13074

<211> 201

<212> DNA

<213> A.fumigatus

<400> 13074

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<210> 13075

<211> 402

<212> DNA

<213> A.fumigatus

<400> 13075

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<210> 13076

<211> 441
 <212> DNA
 <213> A.fumigatus

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<210> 13077
 <211> 420
 <212> DNA
 <213> A.fumigatus

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<210> 13078
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 13078
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<210> 13079
 <211> 612
 <212> DNA
 <213> A.fumigatus

<400> 13079
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<210> 13080
 <211> 675
 <212> DNA
 <213> A.fumigatus

<400> 13080
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 ctccagggca cgggctactc cgccggcgcc acccttgctg agatgtatac ttgcactact 180
 ctccacgtgg actcgagcgg aaatctcgcc gtgccaatgg tatccggctt gccagagtt 240
 ttctgtccct cgtcatgggt cagtgggagt ggctctcgg gcgactctat ctccaccacg 300
 gcgaccgccc ccagtgccac cagagcgca acagcgaca gaacagcatg cgcagctgcc 360
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 ctgaccgggt cgatcagcca actcgggaac tgggacacga gttctgcgat tgctctgtcg 480
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 gatccgaacc ggtcgtatac ggtgccgact ggggtgtcgg gaacgaccgt gacggtgtct 660
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<210> 13081
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 <212> DNA
 <213> A.fumigatus

<400> 13081
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 gatatcatgt actgcctgat ggccgttacg gcctgcctga gctcgtccaa tttgaggagc 180
 tcgtcaatgc cgttcattct catgttaccg ggagggagat caactcacgt tttaaacaag 240
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 ggtgaacaag catgtccacg tataagataa 330

<210> 13082
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 13082
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 acaagcgctc ttctcgggtg cgaggttagg tatggtgaac cttacgctgg tgacatgggt 180
 tga 183

<210> 13083
 <211> 291
 <212> DNA
 <213> A.fumigatus

<400> 13083
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 atttctacta agtgcattca gaatcaggta tataattacc taagcaagag ggggcttgct 180
 gctagcagct tactaggctt atattattct aagcatataa caactacccc ccccccttca 240
 gagaggttca tcccaaacta tactaatcct aaagtagcta ttaaagatta a 291

<210> 13084
 <211> 231
 <212> DNA
 <213> A.fumigatus

<400> 13084
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 gaaaacgtgt accccgatcc agaaacatat aaccagacc gcttcctgca acatcctggc 180
 ctggccgctg actatgcggg caaggagat ccgatgaaga gagatgagtg a 231

<210> 13085
 <211> 216
 <212> DNA
 <213> A.fumigatus

<400> 13085
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 gcctttgatc tcaatgctcc catagtctcc agcctggctg agtggaata ctatacactt 180
 caaccttata cttgctatat cgtcactatt tcgtga 216

<210> 13086
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 <212> DNA
 <213> A.fumigatus

<400> 13086
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 aatgagtcca atacagctcg cccctccctg tatgcgcaac tgaaacatcg ctctggcttg 180
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<210> 13087

<211> 225
 <212> DNA
 <213> A.fumigatus

<400> 13087
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 gccccaaagat ttcaagtgcc tacgaggcaa tggcccaacc tatga 225

<210> 13088
 <211> 285
 <212> DNA
 <213> A.fumigatus

<400> 13088
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 tgttgccggc gcatgttgat cctaaccggtc tcttacatca acaattctag aaaaattatc 180
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<210> 13089
 <211> 1689
 <212> DNA
 <213> A.fumigatus

<400> 13089
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 aagaacttcc tccaacactg cctggacaac tactacgcc ggacaatctt ccaccgcac 180
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1689

<210> 13090

<211> 588

<212> DNA

<213> A.fumigatus

<400> 13090

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acgtcaatat	ccctacagac	ctcctctatc	tatcctagaa	atacaccatg	tcagcgcatt	180
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tggacaacta	ctacgccggg	acaatcttcc	accgcatcgt	cccggacttc	atcgtgcagg	360
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aatacgaccc	ggaagcgcgc	gacccgaacg	agaaggctcg	gctgcgggat	gagctgcata	480
gccgattgcg	cttcaaccgc	cgcgggctgg	tggggatggc	gaagagcgag	gacgggacat	540
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<210> 13091

<211> 861

<212> DNA

<213> A.fumigatus

<400> 13091

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aattctctga	gtactttgct	ggtcttgaag	tacaataatt	tgggctccga	aaacaacggt	180
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gccatcgggg	caagccttta	ctccctgcaa	catgcgaccg	acacaaaccg	gaccgagctt	300
caacatcagt	tcaattatct	tattcagaat	ggcgatctcc	agaggagcga	tcatgtatgg	360
gttgcaaagt	tgctctcaag	ggactgctcc	gcctattctc	tcagccgcaa	ggagactgtg	420
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gacacgaacc	gggctgttgt	cgagtcttcc	aagatctcgg	taatgtatca	gggttacact	540
ctcactggat	atcgcgacgc	acgttctatt	cgggttcctg	gtgttctctt	tgccaacccc	600
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gcgaccaa	ttctccgctc	ttgcgtccag	tcagtctcca	gctttgggtac	cctgggcaac	720
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cacggcgccc	acaactctct	gcgcaaaccg	gtggccgtct	acttctacgg	aagtgcgttt	840
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<210> 13092

<211> 1842

<212> DNA

<213> A.fumigatus

<400> 13092

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tctgttctcc	agatcttctc	tttgcttaag	gttcaacatc	actcgagagg	tgaaaccatt	180
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cgtagtcocat	gggtacccga	tctgagcagt	tgtggcagta	tcttgagtgt	ggatccgagc	480
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tggacagcag	ttgtagctct	tggcagcggt	gcaccattgg	ttcttgatga	gcagcaaata	1800
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<210> 13093

<211> 225

<212> DNA

<213> A.fumigatus

<400> 13093

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tcgacgatca	gttctcgga	tttccgcagt	gtttacctaa	atagtctgcc	agacacaagg	180
cccaaccaag	taacctggcc	tacggagtat	atcagattga	gataa		225

<210> 13094

<211> 300

<212> DNA

<213> A.fumigatus

<400> 13094

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attcataaag	ggatttcgga	ggtgaacatg	ggcaagcaga	ttctcgtcgg	cgagattcct	180
tttttcaagg	gtgtcgacgg	ggatttacac	gctttggagc	agaaggcca	tgagattgag	240
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<210> 13095

<211> 723

<212> DNA

<213> A.fumigatus

<400> 13095

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gcgtttgcag	agaagcaatc	ggatccttcc	cctgcgggatg	acggcccaca	cgaggaagaa	180
aactcgccgc	tgctccgccc	ggacaatgac	acatcgaccg	cctcgcgccc	cgtggctgca	240

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ccggagacag tcgacgagaa gacaggtctc gaatactacg tgtacatggt tcgacaccgt      300
cgattcgtaa ccgggggcct ggggtatttt gtctttgcga tattgatctc cagtttcgac      360
acgacgcttc ccttgcaagc ccgcgatgcg ttcgactggg atagtatgcc cgcgggactg      420
atgttcttgg ccttgcaagg ccccggcatt gcgctcagtc cccttggttg ctgggtgaag      480
gaccgcgttg ggacacagat cccaccacg attggttttc tgggtttggc gcctctgatg      540
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ccgatcatct atgcatgga cgtgacggcc gtgggaatcg tgtcgggtctt actcaatggg      660
gttggcgtao tcgaagctac cggtaagtct gtcactcatc gatcagcagt gtgcaattcc      720
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<210> 13096

<211> 642

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (631)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13096

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accgtctttg agcgtcatga cgtcctctcc acctcggggg gcgctatcaa cctcactccc      180
gtcgctcagc gtcattctga ccagctcgga gtgctcgcag aactggaccg tttgggagac      240
gaggggtggg cggacgtcga tgccatccaa ttcttttctt gccggtcggg caaatccctg      300
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gagatcgtct tcggcaagaa actcgcgccg gggcgaagag accgccgacg aagccatcct      480
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<210> 13097

<211> 297

<212> DNA

<213> A.fumigatus

<400> 13097

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tctcccatca acggctctga agctcgtgcg ggtgtaccgg accccgactt caagtccacc      180
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<210> 13098

<211> 1092

<212> DNA

<213> A.fumigatus

<400> 13098

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aaccagacaa ccacggccaa ttggcttgtc cgggaccttc ctaagaagcg gcgcgccaag      180
aacgtgatcc ttttcgttgg cgacggaatg accaccaaca tgatcactgc tgctcgtctc      240
atcgctcatc gcagtatcaa cggcaagtac atgaccaaga tgcagctgga caaattcccc      300

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gccgccctgg	ccgctcacac	cagtgatcgg	ggtgaatatg	agcacgtcat	cgacgcttac	600
tatgaaggtc	tgaccaagta	cgagtggact	agcctggagg	gccctgatgt	catctttggc	660
gctgggtcgg	agaacttcct	caagagcaag	gacgcttcgc	gggactacta	cggtttattc	720
gcgagagaagg	gctacagtat	tagctggaac	aataccgccc	tccatgccgc	tccaatgac	780
accaaggctc	tgggtgtgtt	ccagatctcc	aacttggtcca	cctggctcga	ccgcaacgtc	840
taccagtcca	atctccagaa	caagaccaac	taccgggacg	gctccggctg	cgatgccgag	900
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aggaaggacg	gctgggttcct	catgtctgaa	gccgccagca	ttgacaagca	gatgcacact	1020
cttgattatg	atcgggtctct	gggcgagctc	ctggagctgg	atgataccgt	ccgcgcgacc	1080
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<210> 13099

<211> 318

<212> DNA

<213> A.fumigatus

<400> 13099

aataatcttg	gatttttttag	aatcatcgac	ctttgtttct	ccagcgggtga	ttcaattccc	60
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acgaatcccc	gattttacgct	tgaactagag	ttcgttttct	cgcttgcaaa	cccctactac	180
ctttcccacc	tggcggtgac	ttatcccac	ctcctgggaa	tctccaaatc	cagcgacgac	240
agtaacacca	gcaccgaggg	cccagacccc	gaagcgcagg	ctttcgccgg	tcttcaccac	300
ggggctggaa	gtatccga					318

<210> 13100

<211> 1002

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (764)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13100

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cggcatatcg	tgatggagac	ggggcagtg	gtcgagctgg	actcgccac	gtggaagcct	180
aggcgccctg	ttcacatcgt	gcttctgaac	gaccatctat	tgggtggctgc	gaaaaagcga	240
aagcgggttg	atgcaagcaa	ccatcgaggc	ccggttccga	caaaacttgt	tgccgaggag	300
tgttgccgc	tacaagatgt	tgacatgatt	gacctcgggg	ccaatatggg	cactggggca	360
gccgcgaag	aagccgaaga	gcggggcatc	gcaaacgcaa	tcaatgttcg	agtaggetca	420
aagactttca	catatcgtca	cgacaagcgg	gatagttccg	acaagggcga	gcttcttgcg	480
acttttcgaa	aagcgggtgga	ggaccttcgg	cgaacactgc	ggtccgagtc	agacacagcc	540
attaagccca	ctgacggatt	tggctatgca	ggcgtcaaac	attctgtttc	ccaaaagttg	600
gatctcaatg	cttcagacgc	ttcccgtgac	aagcccgaag	ttcgcattga	tgttgatgga	660
aagcagcaga	atcttcgatg	ggtggatgga	caagtggatg	aactcgacat	cgatatcgcc	720
cttcaacgtt	tcgaagaagc	agtttctggc	attgagaggc	ttangaaatt	agccaggggc	780
ttgaagggga	actcatatgc	gcagcagatc	atcaacagca	aggtcgatga	acgcgcggca	840
aggctggcta	gtgtcttatc	acgagcattg	gctgacactc	actcgttctt	gaatgccacc	900
aagactaacg	ttacctggct	cactcgtcta	ggatttgagg	atcaggctcg	ggaggcctac	960
ttgaaagctc	gatccgacgt	gatctccaaa	cgggtccgggt	aa		1002

<210> 13101
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 13101
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 attggcttca tgggggaggg ttacagaggca attggtggca ctgggggcgc gtacctgaat 120
 gctcgggtatg agagtcccgc gaagaaaccg actggacggt tcgccagtat cttcggggcc 180
 aaacctctct ga 192

<210> 13102
 <211> 714
 <212> DNA
 <213> A.fumigatus

<400> 13102
 acatatggga agggcggttga catctcctta gtgggcctag atccagctac agttcggagt 60
 atttccggcc ttctcgaacg cctagcagtg aaggcctcgc caaggttgat cctcgctctg 120
 aggcgcgagg acaatcttcc ggattggatc actcacattc ttcttctcgg gaattccaac 180
 cagatcctgt tccagggcac aagggtccga ggcgacaaag tcatgcacgt ctggaagcat 240
 cttccaaaga aggccaaagag gttctcaacg ctacagtgaag aggaacacaa gatactggac 300
 aacgctcgaa aggatatgga gtccgggcatt ctcgaccaac aactgctctg ggatctcaat 360
 cttatcaaaa ctagctcggg ccgaagcact gcagtggcaa ctcatggggg agagccgctg 420
 atcgagatgg aagggtgttcg tgtgcaatac ggcgacaagg tcgtccttgg tgggtggaag 480
 caaacggtca gcgatcaaaa aaaggaggga ctgcattgga ccgttcgtcg tggccagcgt 540
 tgggtggtac ttggggccaa tgggttcaggg aaaaccacat tgctatcatt gatcacctcg 600
 gaccatccac aaacatacgc tttgccgatc aagggtctttg gacgctcgcg tttgcccgag 660
 gcaggcaagc cgggcatttc gatctttgag cttcaatcgc gtcttgggtca ctgag 714

<210> 13103
 <211> 855
 <212> DNA
 <213> A.fumigatus

<400> 13103
 tctcatgaaa ttcattgcttt tttccccgcg caacttagca tacgacaggc catcgagtct 60
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 agtgcagcgc tgagggttctt caaagccgaa ttagaccagc atgcccgcgt caccactcaa 180
 caggaaccac ccgctgtaaa tttccgcgcg atggacttat tccccagat cgaacagctc 240
 aaattttacca aaaagaatcg cgattttgtg cctacagact atgatgtcga gtatgccgac 300
 tctgtacggt tcggagaact cagcactgcc cagcaacgcc tcgtgctctt cattcgtgca 360
 ttgatccaca agcccacat tatcatcctt gacgagcctt tctccaacat gtctgcgtcc 420
 ctacagagaca agtgtatcca cttcctcgag gccggtgaga tgcgcggcaa tctcaaattc 480
 cccatcacga agcgcgcagc aaaccacagag gctacgtggc tcaagggctc caatgtcaac 540
 cctagtgaag tacggcaccc aggcctatcc aaggaccagg ctctcatcat gattagccac 600
 gttaaggagg aaattccgga cagcgtccgg tactatatgc gtctcccgtc cgatcccggc 660
 gacggaggcg agccacttga cttccggttt ggggttctac aacggggcag tgtcatgagt 720
 gacccaaaga tctgggatct ggcattggtc ctccttcgag cgttcgataa agcagccaag 780
 caagtaccgc agaaactatc ctccgataag aataggcgcc atgacgagaa tatctatgaa 840
 tgggtacacga tataa 855

<210> 13104
 <211> 309
 <212> DNA

<213> A.fumigatus

<400> 13104

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aatcccttag	agggagagga	gggtggaacg	gtccgaaacg	aggagttgtt	gacgcaggtt	120
atcaccgact	tgcgcttagg	cgagctgctc	gacatgccgg	ttgccaatct	gagcaatggc	180
caaacaaggc	gtgcacggat	cgcaaaggcc	cttctcagtg	agccagagct	gttattgctt	240
gatgaacctt	tcagtaagtc	actgtccaca	gcaagtgaac	atatgggaag	ggcgttgaca	300
tctccttag						309

<210> 13105

<211> 519

<212> DNA

<213> A.fumigatus

<400> 13105

cttgaacttc	caatactctt	atcaaaaagc	atgggtcccg	gcagcatctg	ccagccccga	60
aatgagagac	tccgaccgag	tcatttgtgg	cttctcgcca	ccattatcat	gcagatccaa	120
acccttggca	acaaggtcaa	cgaatcttac	accgacttcg	gtcaaagagt	cgccatgctc	180
gtgtacaata	tcgatgcatt	tctgccagac	agtcgtgcct	cgctgtacgc	tgctgagctg	240
ccgggtgaga	agggcattga	atccatccaa	atgggtgttg	gcccacttga	tgcaggcact	300
tgtcagaaca	gccgggaagc	attgctggta	gatgttgatt	gtgtttttga	tcagagtga	360
atagacgtag	gaaacctgga	atatatagag	gggaagatcg	ccctcgaaga	cacatgccct	420
atatccgtct	ccgttagtcc	taagttcaag	cttgggggtcc	tggcgatgaa	gacttaccgg	480
accgcgtttg	agatcacgtc	ggatcgagct	ttcaagtag			519

<210> 13106

<211> 414

<212> DNA

<213> A.fumigatus

<400> 13106

ctaactagac	atctttotaca	ggtagaaact	ggtcttctctg	cggggtggga	ggttcgccat	60
tccaactcca	agaaccttcc	gtactacttc	aatccctcga	ctaaggagtc	ccggtgggag	120
cctcccagcg	gcacagacac	cgagttgctc	aaggtctaca	tggcaaaacta	ccacagcgcc	180
cctgcccggc	ggcctgatgg	cacagcccag	ggcgagggca	agatccgttg	cagtcacctt	240
ctgattaagc	atagagacag	taggcggcca	agcagctggc	gggaggcaga	gatcaccgga	300
tcgaaggagg	aagcgatcga	gatccttcga	ggtcatgaac	agcgcatccg	ctcgggtgaa	360
gttagcttag	gtgatatcgc	agtctcagag	tccgattgta	gcagtgccag	gtaa	414

<210> 13107

<211> 294

<212> DNA

<213> A.fumigatus

<400> 13107

atcagctcca	acttgctcta	tcccaaagaa	gaccgcgtca	acaaccgtct	catgttcacg	60
tgctcgacgt	gccacgttgg	cgagcccgcc	acctcatact	gtgtttacca	gaacaagctc	120
aacagccaag	ttggagacac	tgtctggtgtg	accaggatg	tgggatctga	tccaacgggt	180
tgtctccctg	gtttctgtgc	ccattgcggg	gaagagatta	cctgctttac	ctgcgggcag	240
ttgcctgaag	acacctgtgc	tgactgggat	tctgaggatt	ccatgaacat	ctaa	294

<210> 13108

<211> 219

<212> DNA

<213> A.fumigatus

<400> 13108
 tacgtgggtt acattttaac tatgaagatg cagggcacaa tgtttgata tccctctgaa 60
 ggctccgcta gttctatgat gctaatacgg aatagattta ttgaggagaa caacctctat 120
 aaaattcagc aaaaacaaat ccaggagaat caaagaatgc ccccggaat ggcctcccag 180
 gatctgatgg catactgggg tacggttacc gtcctatga 219

<210> 13109

<211> 204

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (40)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13109
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 accctccggg ccgagatcga aagtcgcgaa gatctcgtgg tcaacaacaa tgcacaatac 120
 tgctctgttg ttcgaacagg cataggagat actcgtttga ttattggtgg tgaagttgat 180
 gctggtatgc tctcctcact ctac 204

<210> 13110

<211> 402

<212> DNA

<213> A.fumigatus

<400> 13110
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 tgcttctcat atgatgctga gcataagttt cacctcgggg attcgtccct gcggtactat 180
 tatacgcgc gcctccccgc ggatttgaat cgaggcttcg acactttcca gaagctagat 240
 gataccgcgc acgagcatct agacgctttg ctagagacca ttatggctct ggaaaaagag 300
 acaggaaaagc gatgcgaggc cgatatcatc acatggagag gcatgatgac gaaagtaagt 360
 agctcaagac tcttggttta tccggaaggt ggcgatgact ga 402

<210> 13111

<211> 615

<212> DNA

<213> A.fumigatus

<400> 13111
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 cccgaccgca aggaagaccc catcaattgg gtagagctga agacttcggc agagatcagg 180
 aacgaccggg acatgatcaa gtatgaacga aagctcctaa agttctgggc gcagtcgttc 240
 ctctttggcg tttcccaagat tattgttggg ttccgcgaca atcatgggat agtccatcgt 300
 ttggaagagc ttgaaacggc cagtataccc aataaggtaa agaagcttgg acggggtagc 360
 tgggatggca acatttgcac caacttcgcg gctgcattcc tcgaatgtaa gtctgaaaaa 420
 aacgaactcg aatgccctt ctatgtccct tcagctaata ggttcaaagg gctcaaatca 480
 acaatcaagg agggaggaac gtggcgaaac cgtaagctgg agaagtcgtc gcttattcag 540
 gtgttcaaga ttgaggagac tggaacaggc gatattatct ccaggtcgtt tctggattgg 600
 cgatcacgct catga 615

<210> 13112

<211> 234
 <212> DNA
 <213> A.fumigatus

<400> 13112
 aggacatag aaggggcatt cgagttcggt tttttcagac ttacattcga ggaatgcagc 60
 cgcaagtgt atgcaaagt tgccatccca cgtaccccg ccaagcttct ttaccttatt 120
 gggatatactg gccgtttcaa gctcttccaa acgatggact atcccatgat tgcgcgaaa 180
 accaacaata atcttgggaa cgccaaggag gaacgactgc gcccagaact ttag 234

<210> 13113
 <211> 456
 <212> DNA
 <213> A.fumigatus

<400> 13113
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 tcgtacaatt catttgtcct ctaccataat tttcgacatg ccattgacgt gctgcaatcc 120
 gtgttttgc tcttggtgca tataggtgca ttgcccccat atggctctgt cggccccaat 180
 actgattcgc cgtctctcat cgcatctctc ttgacaccgt ttgacacttt gacctgctt 240
 atttccgcaa tcggtcacga cgctcggtcat cccggagtca acaatttctt cttagtcaag 300
 ctcaatgctc cgttggcaca gctatacaat gataattcgg tcctggaggc tttccactgc 360
 gctgcattct cacagatcct gcgacgccac tggcctgccg cttttaagga tagaccactc 420
 cgcatcttca ccacagggcc ggccaccgcg catgcc 456

<210> 13114
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 13114
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 aggggccaca acatcacgta caatgttggc atctgcatgc ctggccagac caactttacc 120
 ggcttccgaa accacttccg catgccccagc gctcagtctg gtgggtgtgga gaatttctgg 180
 tactga 186

<210> 13115
 <211> 384
 <212> DNA
 <213> A.fumigatus

<400> 13115
 ctgccgtcgc agggtcgaac cctcttcaact ggcttcatcg tgactcctac caccagaag 60
 aatggaactt atcctatgca acttcgtctg gcatatggcg gaccacacgg catgaccgtc 120
 agctggaaca cctactcgca gttgctcat ccaacagttt gctttgggcg cagccccaag 180
 cttctaaacc gatgtgtctc ttctagcgcc tcataatct ataccacttc catgattaac 240
 agcaatcatg tctcaatagc cgagttggaa gcggatacac tgtactacta cctgcctcag 300
 catagcaatg cgacttctcc ctacaccttc aagactagcc gtcaggccgg tgaccagact 360
 cctcacaccg tcgccacggt gtaa 384

<210> 13116
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 13116

ctcaaggagg	agatccaggg	gttccttcct	aacatcacca	tagccgatgg	tgccaaagtg	60
tatgagagcc	tgctgaacca	gaattacgtc	gaactagcag	ttattactgc	tcaggagccg	120
tatatgtttg	gtcctggtaa	tcatgaatct	aactgtatgt	acctccctct	agcatacata	180
ttttaa						186

<210> 13117

<211> 198

<212> DNA

<213> A.fumigatus

<400> 13117

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ttggctctct	ctggccatgc	caactactac	gagcggaatg	ccccaattgc	caacttcaac	120
gttcacccga	acgagttgaa	caatcgaatg	ccccatggtc	cattaccaac	ggagctgcag	180
gtcattataa	tggtactag					198

<210> 13118

<211> 312

<212> DNA

<213> A.fumigatus

<400> 13118

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gccgtggctg	caaaccctca	ccaaatcgga	tccgaacaaa	tattcgttga	ggaacgtcgt	120
ccgcgcggta	acgcttatgg	cggcaatgct	aactacggtg	ctggccgtgg	tgccgcgggt	180
cgtggccgcg	gtgaccgtgc	tggcaaccag	ggcgcgtggt	gcttcacagc	cgacggacgt	240
ggcggctttg	ctccccgtgg	ccgtggagga	aacgtgaacg	gcaagccccg	caaccagcct	300
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<210> 13119

<211> 336

<212> DNA

<213> A.fumigatus

<400> 13119

gatttgatca	acaacctcgg	taccattgcc	cgttctggca	ccaagcagtt	catggaggcg	60
ctctccgcgc	gtgctgatat	ctccatgatt	ggtcagttcg	gtgttggttt	ctactctgct	120
taccttggtg	ccgaccgcgt	caccgttgct	tccaagaaca	atgatgatga	gcagtacatc	180
tgggagtctg	ccgctgggtg	caccttcacc	ctcaccaggg	ataccgaggg	tgagcaactc	240
ggccgtggta	ccaagatcat	tctgcacttg	aaggatgagc	agaccgacta	cttgaacgag	300
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<210> 13120

<211> 399

<212> DNA

<213> A.fumigatus

<400> 13120

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gccccctgcc	cgtctcagcc	tgctccttct	tctgcttcta	ctcctacagc	tgccgcctct	180
gaaatcactc	cggagcaacc	aacttcact	gacagtgtcg	gctggcaaac	tgctgggtcac	240
gatcataaga	agacccaatc	tcgtgccgcc	gaagagcaga	acgtccttgc	atacatcaag	300
aatgtcaatg	agaaggtcga	tgcaagcttg	ctcaagcaaa	ctctctctcg	tttcgggaaa	360
cttaagtatt	ttgacgtgag	ccgccagaag	gtatgttga			399

<210> 13121
 <211> 351
 <212> DNA
 <213> A.fumigatus

<400> 13121
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 tcttccgaaa cctttgaatt ccaggctgag atctctcagc ttctctcgct gatcatcaac 120
 actgtctact ccaacaagga gatcttcttg cgagaactca tctcgaacgc ctccgatgct 180
 ctcgacaaga tccgctacca gtccttgtcg gatcctacca agctcgacac gggcaaggac 240
 ctccgcatcg acatcatccc cgacaaggag aacaagaccc tcaactattcg tgataccggg 300
 attggtatga ccaaggctgt aagtttactc cggaaccta gactgcagtg a 351

<210> 13122
 <211> 417
 <212> DNA
 <213> A.fumigatus

<400> 13122
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 acggccctgg ttgccagcac ggtcaccgag gccacgaccc gcgccaccac ggccagcacc 180
 gtagttagca ttgccgccat aagcgttacc gcgcggacga cgttcctcaa cgaatatttg 240
 ttccgatccg atttggtgag ggtttgcagc cacggcagcg gcataaccgg caggctccgc 300
 aaactcaacg aaggcgagcgt tctttgcgac aaacagtcag gtcagttcga gctatcttca 360
 aagcgttcaa agtcaacggg caacatacct tctggcggct cacgtcaaaa tacttaa 417

<210> 13123
 <211> 309
 <212> DNA
 <213> A.fumigatus

<400> 13123
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 ggactggtag cggatcttgt cgagagcatc ggaggcggtc gagatgagtt ctccgaggaa 180
 gatctccttg ttggagtaga cagtgttgat gatcagcgag agaagctgag agatctcagc 240
 ctggaattca aaggtttcgg aagacatgat ggcggaggga gagcgagata tgagaaagat 300
 ggattctga 309

<210> 13124
 <211> 309
 <212> DNA
 <213> A.fumigatus

<400> 13124
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 tacctagtca aggccttctac ctttagcatc agctcaaaac atggcgaaat atccattatt 180
 aatattacat acccggccaa tgctgcccgt agcgagagca cacttggcct gctctcgact 240
 cgcaagctat gtagcccaag gccatttctc actggaaaac cagctcgcca cctattgcag 300
 ccccaatga 309

<210> 13125
 <211> 2535
 <212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (2517)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13125

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ttctcgagat atcagcttgc cgccatggac gttcttgatc ggctccagtc tgggtctcttc 120
ttcaggcccc atgtcgccga cataacttcg accgtcatcc agccttacat tttgtccaac 180
caagtccaac ccacaagcca ttaccagaag aatgcttcgt ccagcatccc ggctgcaact 240
ctcacttcga tacatagttc tactcctgaa gtttcactcc cgttgctgag cgtctcggcc 300
gacgtggaca tccatgggag gctctgtact acgaaagtga cacagcagtt cagtaatgct 360
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<210> 13126

<211> 225

<212> DNA

<213> *A. fumigatus*

<400> 13126

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gacgggttgg	gttgcctagg	aagacctcac	catgtgggca	ctgctatcta	ccagttccaag	180
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<210> 13127

<211> 213

<212> DNA

<213> A.fumigatus

<400> 13127

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caacgagtac	tggttgggtt	gtataaagtc	cctcagattg	cccgcggaaa	gcctcttact	180
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<210> 13128

<211> 390

<212> DNA

<213> A.fumigatus

<400> 13128

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gggcgactgg	gcggaattca	cgcgggacat	gtgcgcccgg	ttcggctacg	acaagatggt	360
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<210> 13129

<211> 792

<212> DNA

<213> A.fumigatus

<400> 13129

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tggccgatcc	tgacgacccat	gggtcatctc	tacaacctaa	catcacgcgg	tgccagctcc	120
tgtcaggaag	agctcagctt	tgcaattggc	gtgcgccagc	tctgcaagag	gtacaatata	180
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gtggcggtga	acattccgga	ggcgatctt	cttcgcggtg	tggcgattct	gaaagaggct	720
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<210> 13130

<211> 354

<212> DNA

<213> A.fumigatus

<400> 13130

cggcatcaac	cacaagccac	tctcaccac	atcgccacca	aagtgggcca	ctgggcgga	60
ttcacgcggg	acatgtgcgc	cgggttcggc	tacgacaaga	tggtagggat	ggtctccggc	120
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gggatctggc	ccatcatgaa	tgatatgggc	caagcatcgg	gtaagtatat	tgcattctcc	300
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<210> 13131

<211> 366

<212> DNA

<213> A.fumigatus

<400> 13131

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atctttccgc	ttcctgtctt	catcaagagc	ggcaaggact	ctatattgaa	ggtctgtgct	300
tcateccctc	ccccgttcct	tttccggtgt	tattggcgag	ctgacggaga	gctgtcagga	360
tgctga						366

<210> 13132

<211> 1326

<212> DNA

<213> A.fumigatus

<400> 13132

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<210> 13133

<211> 327

<212> DNA

<213> A.fumigatus

<400> 13133

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<210> 13134

<211> 186

<212> DNA

<213> A.fumigatus

<400> 13134

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gagaagaacc	acaagcttct	acttggcgag	gcttataaag	attggccgtc	cttggcttct	120
tggagaaaag	gtcatgcgac	atctatctct	tcgcggacaa	aatggccgct	caccaggaag	180
acgtga						186

<210> 13135

<211> 849

<212> DNA

<213> A.fumigatus

<400> 13135

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ctcacgggga	cctgtgtcct	ccgtgggttc	ctgagcatgt	cgggcgaatg	ggcctaccgc	180
accccttttg	cgctgcagtg	ggctctaccc	atcccgctgg	ccatcggcac	ttacctcgcc	240
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<210> 13136

<211> 1413

<212> DNA

<213> A.fumigatus

<400> 13136

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ctcgtcggcc	tggagtatcg	ggtacctcac	ggggacctgt	gtcctccgtg	ggttcctgag	720
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<210> 13137

<211> 1284

<212> DNA

<213> A.fumigatus

<400> 13137

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gtattcagat	ggatcagggg	attcctgcgc	ctggtatgta	gtccttgtat	tctattgttc	1260
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<210> 13138

<211> 294

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (258)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13138

cgctgcgagc	gagcagtaca	agaaggtgcg	aaagtttctc	gctccgcgca	gaatcaactg	60
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gagcagctgc	gagacgtggt	caaaaccctc	gctgaatttg	caaccgaccc	cgattatgcc	180
ttggaatata	tgaaggaagc	cgccaggctg	gatgcagaag	acgtggaaat	cccctgtgcg	240
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<210> 13139

<211> 417

<212> DNA

<213> A.fumigatus

<400> 13139

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tcggacaccg	gaagcggg	aatcatcata	tatgacaacg	attcaaactg	gcgaaagatc	120
ctcaaagctg	agcagtgg	caagcagctc	ttgggtggtt	ctgaattaga	ctacacctgg	180
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gacaggctgc	cgaattctc	caggctcaag	accccatcga	caaggagcag	ctgcgagacg	360
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<210> 13140

<211> 549

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (526), (527), (528), (535), (539)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13140

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gccacaggcg	ttttcacgag	cgctgcacct	actgctgctg	cctctacgtc	ggctacactc	420
cagccccoga	ctgaaccgca	cgcgcgaaag	cggctcagcg	tgagtgggtga	gagctcggga	480
tacgtcttca	ccacggggct	ggaaggatcc	gacgcgggct	cagttnnntt	ccacnccgng	540
ttcaatccc						549

<210> 13141

<211> 708

<212> DNA

<213> A.fumigatus

<400> 13141

accgacctat	ataaatcatg	ctttggctct	gtaacttttt	cctgtccttt	tccatcccga	60
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ccctatactc	agtacaagcc	aggtatggca	aaccaagaca	ctgccttgcc	caaggatgtc	180
accccagggtg	gccgagtagg	attcagccat	catgaagagg	acattatgat	tgaccgagag	240
ccctatgggc	ctcccggtct	tcgtgggtct	atctcgaacc	cctttgtctt	tctctgtgcc	300

gcatgttcga	cgctcgggtgg	cctgggtcttt	ggctacgac	aggggggtggt	gtcgggtcatt	360
ctgggtgatgg	accaattcct	ggaacgcttt	ccagaggtag	ctcctaatagc	agctgggtgct	420
ggtttctgga	aaggtctcat	gacggccatg	attgaactgg	gggctctact	tggtgcgctc	480
aaccagggat	ggatcgaga	caagatctct	cgacgggtact	ccatcgttgt	tgccgctcgc	540
atcttcacga	ttgggtctat	actgcagact	gccgctgtcg	actatgccat	gttgacgggtg	600
gctcgccttta	ttggaggggt	ggggatcggt	atgctgtcga	tggttgcctc	gttgtagcatt	660
tccgagatca	gtaagtggcc	tgggcatacc	cattcgagac	agcgctaa		708

<210> 13142

<211> 1659

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (31), (36)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13142

ctgtccaata	ctcggaaact	tccaggcttc	ntacnctatc	ctcccaggcg	tccagacctt	60
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cccatgtatg	gttctcacia	cggtctcgca	ctgtcgtcgc	ctgtgagcat	cacgccgtcg	180
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gcgacacctt	cgccatctgc	tccagccacc	cctgtgacac	caaacattgt	gggtccatcgg	360
ccgtactctc	agacctcacc	caatgacggc	actccgtccc	cgatccagtg	tcagactcag	420
atgccacttg	tccttccacc	ctccccattc	gggggggtacg	ctcgagtctc	gagtgcgcag	480
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cccacacgag	gaatgcacga	ctatctctgg	tgggacatta	gaaacctgcg	tagctggaca	660
togttcacgc	ttcagacgtt	taactcgatc	aatggcctca	ccaaacttct	gagaactgca	720
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aacagcaaaa	acacagggtg	accacacttc	cttgccaaact	atgcatctga	taccgagcag	960
accagttcgg	gtatgccgcg	gggacggctc	gtcgggtatcg	taaaaagctt	tgaccgctgg	1020
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catctacaac	gatgcatgcg	agagcaactc	tgccgatacg	gcttcatcat	caccgagatt	1140
gaactcgttt	gtgtgcgggc	cggctgcgac	gaaggggacg	atgtgccgta	ttttggattc	1200
ctggaggtat	cggcgccaat	cccgactaac	atcgccgtga	acccggaaga	acggggcctg	1260
cagccaactt	cttttgccca	ggcccagtc	cccagggtct	cccacgactg	ccgattagct	1320
gcagaagaat	gcgacccccc	atgtactttc	gccgacggtc	tcaacgtccc	gatgactgcg	1380
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gggaaagata	aatggattcc	agaaccgcag	attggagagc	gacgagacgc	gaagcgagtt	1560
cgaggatggg	tgtggcctca	agacgcctgg	catcgtcgcg	agggcgagg	ggtgccgcgg	1620
gggaatcgaa	gcagaaaaaa	tggaccaagt	aatgtctga			1659

<210> 13143

<211> 291

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (267)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13143

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gaatgggttt gtggccaagt cgcgcgtcag gtctcggagc cttgcgagg acaatgcacg	180
aaacgggaga agatccatat ggatttgatc aaagtcgtca atcacaacgg gaagccctac	240
tgggtggcgta ttcgtaccat ttatcanagc ccctatgtaa cagtcagttg a	291

<210> 13144

<211> 297

<212> DNA

<213> A.fumigatus

<400> 13144

catatcttag tccccgtcat tggatttcca atccaggctc tggtaacca gaagtgaag	60
cagaacattg cctgctgcca gaactctcct tccgatgcg taagtgttc totatatatt	120
tgtagtctc tactaacgtc catcagagcg gttccctcat tggactgggt cttccttgca	180
ttgcccttgg ttctatcctg taagctactc gtgcgttctg ctgttggcgc tctcagccag	240
catttggaga ttccatatgg cagctgggggt agggaaacagg gtcccgggag tcttttag	297

<210> 13145

<211> 2652

<212> DNA

<213> A.fumigatus

<400> 13145

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ctggcaataa cccacttggg acggacttca agaccatac gcattgccgt ggatatctcg	120
atatggctgt tccagtgca ggcgggtcga ggtggacgaa atccagagct gcggactctg	180
ttttacagac tattgaagtt cctagcgtc cctatccatc cgctttttgt ttatgatggg	240
aaggacaaac cgcccttcaa aagaggcaag gcggtctctg gtccgagcta cgggaacgag	300
cccatcatcc gactttcaaa ggttctaata gatctgttca agtttctcgt acacgatgct	360
ccaggtgagg ctgaagcaga atgtgctagg ttgcagagag caggtgtcgt tgatgccgtc	420
atgagcaacg atgttgacgc cttgatgttt ggctcgaccc taactgttat gaatttctcc	480
aaggagagtg gcagtgccac ctccgcagcc acccatatta cctgctacag aatgtgtggt	540
gatggacatc atccctcaaa tgtgccactt gaccgtgctg gtatgatcct attcgcgatg	600
ctcagttgcg gtgactactt gccgtccgga gttccaaagt gtggcagcaa gttggccgca	660
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gaactcgaca tgaagctaga agaattgaaa gaaaggctac agtacgagct ggatgagaac	780
gaaagcgggt acttccaaac gaagcaciaa gcagtacgca ttccagagtc gttcccagat	840
aggacagtcc tatcatacta cgccaaacca gttgtgtcct cgcctcagga tattgaagtg	900
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ggaccaatcg accccggcat gaaaagaggc agtatcctca agtatggcac actaccaag	1560
cagagatctg acatctcaga gttcaaagga gcacaactat ttgaggcggc gatgtccgca	1620
actcctccaa gtaaatgtag agcaccagag cttctgcgtg ctgagagctc tccagacgcc	1680
ttaatgagga gcacccacgt ctacggccca tacagtcata agcgcaggtt ggatattcaa	1740

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tcagttgagc ctggaagggg ggtagaagtt caggagtgg aggacattat gtctgcggtt 2160
acaactcagt atggaagccc ttatgaacag ttcgacaggt tggcgcaaac accgaccggt 2220
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gcgggcggtg atgatgcgct cgagccgaca acgaaggagg aaaagcgagt tgaatcgagc 2460
agtaagggtg caaggcctcg ccagacttct tcacatctag aatccgtcat cgtgtgcggt 2520
ggcttctgga cgactgaggc taagtccaa tctgagctgg cttcagagga gacagagcgt 2580
gactcgtcca acaatgacga aaagagaaag aagaagcgca tccccgtgt aagcattttg 2640
gacttgagtt ga 2652

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<210> 13146

<211> 273

<212> DNA

<213> A.fumigatus

<400> 13146

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ctctttgatg acagacctgt cgagatctcg gagttgacct acgtcatcaa acaggacctg 120
gcgtcgctga accagcaaat cgcttcgctg caagcactta cattatcgca acatccgaag 180
acgaatcgat caaaagcgga tcaggaaggc gagcacaatg acaatgtacg tgaactccga 240
gtggctggct tgcgcaatgc taatgcaacc tag 273

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<210> 13147

<211> 609

<212> DNA

<213> A.fumigatus

<400> 13147

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gtatcgtcca agtcgcaagt cttggatccg caacggctcg actctccgct gtacatcccc 180
tcgggacgaa ggacgcccc accaggtttc cagggaggct cttcagattt actgactcta 240
gatccctcaa atccctcgcc tctcggggcg ccacgttcc aaacagatca gcaattattg 300
gtcatggagg aggcgcagac gaacaacacg tatattcagg ccagaggcga agccattgat 360
gccatcgaac gcaccatcag tgaactcggc gggatcttcg gccaaactggc tcagatggtc 420
agtgagcagt cagagatgat ccaacggatt gacgccaca ccgaagacgt ggtggacaat 480
gttgaaggcg cccagcgcgga attgatgaag tactggaacc gcgtatccgg taaccgatgg 540
ttgattgcca agatgttttg tgtccttatg gtgcgttttc tctcttctcg atgccattgc 600
ggaagctaa 609

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<210> 13148

<211> 2649

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1916)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13148

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caccaaaaatg	cgagcgcgcg	gcactgggag	gttgacgaac	ccaggaacga	aacttctacg	300
catttgaatc	aatcaccgac	ctcgcgcccc	tacagctttc	atgtgtataa	tatacagtcg	360
cctcagaata	caggacatga	ctgtacaatg	cgacaagata	acgctcccac	atcctcaatg	420
gccacaatg	acgcctcttt	gcgcttggtg	ctacagcccg	acaagctaga	attcgaatcg	480
gatatcggcc	acaccagga	catgggttct	cgccttgcg	acgatccagc	ctaccgacag	540
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<210> 13149

<211> 2910

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (67), (85), (94), (96), (114)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13149

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<210> 13150

<211> 873

<212> DNA

<213> A.fumigatus

<400> 13150

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tggtcgcgtc	tggcaaacca	ggatggcgct	acggccagga	tatcatatga	gcccgagaca	840
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<210> 13151

<211> 1200

<212> DNA

<213> A.fumigatus

<400> 13151

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<210> 13152

<211> 384

<212> DNA

<213> A.fumigatus

<400> 13152

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<210> 13153
 <211> 1032
 <212> DNA
 <213> A.fumigatus

<400> 13153						
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ggaggtgctg	gcttgggcaa	aaccgggctg	atcacgtccg	tgagattga	agccagacag	660
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gctagtacca	caagtcctac	ctcctcccgg	cacaccggga	cccttagagt	ttcttcggac	960
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<210> 13154
 <211> 189
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (78), (161)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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tcttattaca	atgtgaagaa	taaccgaaag	ggttttcata	ntgtcagcgc	atacacagtc	180
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<210> 13155
 <211> 552
 <212> DNA
 <213> A.fumigatus

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gatgatgcca	tcgcggctcg	ccaggacgca	agaaaacaac	atcgtgcaga	ggcacgtctc	180
cacaagtctg	agatgcggca	aatagaggat	gagatcgac	cgcgcgcgga	acctggaacg	240
cgtgaaaggc	gcatggagaa	gcgtcgagag	gcggcccttg	caaaccgtgc	cttcgctgaa	300

tcacggcgag	gtggctcacc	catagaggct	gcaccagatg	acgaacttat	gggctccggc	360
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cgtgaaatca	gaagggaaga	gatactgcga	gctcgagcag	cggagcgcg	agagcgactt	480
caacaatatc	gaaagaagga	agaggagact	attggatggc	tcaaaacatt	agctaaacag	540
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<210> 13156

<211> 420

<212> DNA

<213> A.fumigatus

<400> 13156

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cgctcgcgct	cgcgctcccc	agaccgaagt	ggcagacaca	aaagacatca	tcaccatcgg	180
cgcgctcata	gtcatcaccg	tcaccgagac	tacagtcatg	atcgcgatcg	acattcacaa	240
tcagcttctt	cggcgcttgc	agtacttccc	tttaaagcgc	gagagctttc	gaaaagggat	300
ctaacctatt	acgcacccat	gttcgcgatg	tacctcgata	ttcagaaggg	actgataatg	360
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<210> 13157

<211> 285

<212> DNA

<213> A.fumigatus

<400> 13157

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gaagatatcc	tcaattacaa	gcagatctcg	tcagatcaga	caagatttgg	gcgttggctc	180
agagatgtaa	atgatgcaga	gaccatcaaa	cgagcatccg	ttccctactc	tcttatcctg	240
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<210> 13158

<211> 1659

<212> DNA

<213> A.fumigatus

<400> 13158

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tccgatactt	ttgctcgac	tacttctcgc	agtgattcag	gtaccagcca	tgggagctct	240
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aggaaaaaca	gaacgatcca	ggcaataagc	ggcgagtatc	caatggaccc	tcctcccaag	480
atgaaaccca	ctgggatccg	accaaggaca	aggaccagga	ctgagccgga	ggaccaaatt	540
tcagcccaga	tagaccggga	ggcaacaaat	gcgcccaggg	tcggggaccg	caaacgaact	600
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tatgacaaaa	tgggcaaaact	ggactttgcc	gaacaacact	tccggaatgc	ggcaagcatt	1560
aaccgacca	acgcagtttt	gatctgctgc	attggattgg	tactggaaaa	aatgaacaac	1620
cctaaatctt	caccacgggg	ctggaaggac	ccgcgctcc			1659

<210> 13159

<211> 504

<212> DNA

<213> A.fumigatus

<400> 13159

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agtttcgcgt	acctagaaca	cgcaaacatg	tgcctcatca	tatcctacat	ttcaggccag	180
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agaagcacc	acctcggtg	ctcctatgtc	ttcgcgcaag	cgctgttggg	cctaggaaag	420
tatctggaag	gtatcacaa	gttagagcgg	agtaaaggcc	tttgggcttc	aaagaaccac	480
tggagtaagt	attccatgcg	ctga				504

<210> 13160

<211> 222

<212> DNA

<213> A.fumigatus

<400> 13160

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acgggcaagt	caaagccgca	tacgattaca	gcaggaattt	tggatcgaga	agcaccacc	180
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<210> 13161

<211> 405

<212> DNA

<213> A.fumigatus

<400> 13161

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gctctagata	agcacagtga	gacgcgaaga	caacatctgc	cggatgcacc	cgcagtattc	180
tgctgttag	gtaaattatg	gcctgcgc	aaggacatca	acaaagctgt	ggaatgctat	240
gttgaatctc	tgaagctgaa	tcccttcatt	tgggatgcgt	tccaagggtt	gtgcgacacc	300
ggtaagcttt	ggagaataaa	cctaatacat	ctagccatgg	ctaatttgtg	tctaccgcca	360
aggagtcaat	gtccgcgtgt	caaacatcta	caagttgaat	tctga		405

<210> 13162

<211> 453

<212> DNA

<213> A.fumigatus

<400> 13162

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cgctacaagc	ccagcctctg	tcgagaaggt	gccggtactg	gaatgaaacg	tctgcactgg	420
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<210> 13163

<211> 2817

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1445)

<223> Identity of nucleotide sequences at the above locations are unknown.

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gccgccgaag	gtcctcgaca	tgctgcctcg	cccaaaccgt	caaatcgacc	ggctgcgcgt	2760
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<210> 13164

<211> 468

<212> DNA

<213> A.fumigatus

<400> 13164

gatatacctgc	gagccgggttt	cgggagcttt	ttccggcgac	caactggaaaa	cacattggct	60
cggtttagtgg	aatgctggca	gttgtccag	cctctgcacc	tgcgccacct	agccattgtg	120
cgggacacgg	cacttgagaa	gactatcaca	cattatatcc	attactcaac	ggccaacttc	180
caaaaactcg	tcgatgccgg	agaggcatcg	tgggaagctg	tcgaatttgt	ccccaggaac	240
actaaggcag	agaaaatttc	cgtaccgccc	atcgatgctg	ttcccgcacct	ggacgagaat	300
ggattaccca	aagctgtccc	tacgaaggaa	cttgtcaaga	atggcaatgc	atcgcttttg	360
gctggcatct	tgactgtcaa	tccagcagat	tacaattgca	ctggaaatga	tcctatgccg	420
ttacggctga	aggataatag	ctatggtaag	tttagccctt	ggcaataa		468

<210> 13165

<211> 351

<212> DNA

<213> A.fumigatus

<400> 13165

agagtccgcg	aagcgaacac	ggcagtgtta	acggaagcca	tagaagcaga	aagaggagca	60
gaaccctgta	cagtgaacgc	cgtcggcttc	gcggtgatcg	ctaccggcgac	gactaccgtt	120
cttctggcga	ctattaccgc	ggacctggac	ggcctcgcac	tcgatctcgc	tccccttatg	180
atgaccgata	ctaccgccct	tcgggtcgct	ctcatcgaga	agatcgggaa	gatgagcgac	240
gttcccgcgc	tgaacgcaag	cgcagcccaa	gccgagagaa	gtctccagag	ctcaatgagg	300
atgaacgtga	caggcgtaca	atctttgttc	agcagcttgc	ggcacgtctg	a	351

<210> 13166

<211> 627

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (578), (587)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13166

gagcaagggt	tacggctttg	tacagtaagt	gacgaatctt	cctgttttctg	tgattgtcct	60
gcttcagctg	acaaacgact	ttgcaggttc	cgtgacccca	accaggccccg	agaggcattg	120
gaaaagatga	atggttttga	ccttgctggg	cgcgcaatcc	gcgttggcct	tggcaacgat	180

aagttcaccc	ctgactcgtc	agcgcaacgc	tccgagagcc	atggtgcgaa	ccaaccgaat	240
ttccagggtc	cttcgttctc	cggccaggga	ggacgtggta	tccaggctgg	cggtagtagt	300
aacttcgata	gtgccgggtg	ccgcgattct	gaaaaggagg	ctggcgctag	tgctctggat	360
gatacggacg	ttgccgggtg	gaacttcaac	aactatagta	gggacgcatt	gatgaggaaa	420
cttgcaagaa	cagatgaacc	tgccgaacct	gctgccgatg	ataagcagaa	ggtgctccgc	480
cccaaaacag	aaaccaagcc	gttgccggtc	aatgtcaaca	tggcaagtcg	atgcgttttg	540
cttcgtaaca	tgttcgaccc	tgcagagtat	gtcatctnta	cattctnaga	gagctacctc	600
ccatgtacta	accaatccac	acgataa				627

<210> 13167

<211> 252

<212> DNA

<213> A.fumigatus

<400> 13167

ggcgaggcct	gtatcaagga	gctggaggat	gacgtccgcg	ctgagtgcga	agacaaatat	60
ggccatgttg	ttcacattgc	actacatccc	aactctcaag	gcgacattta	cctcaagttc	120
gacagagtcc	aaggcgggcg	gaatgccatc	aagggtctca	acggtcgatt	ctttggcggt	180
cgacagatca	ccgctcagcc	tgtcgtcgat	gccgtatata	gcagtttggt	ctcccgcaca	240
aaagcaatth	ag					252

<210> 13168

<211> 294

<212> DNA

<213> A.fumigatus

<400> 13168

ggactgcaac	gcgccacat	aaggatatgtc	aggatatcaa	ctgagtgtgc	acgtacttgg	60
gggcaatgcc	ctcgtcaa	aggatcgaca	tacgttagtg	gatatgatag	gaaaacctat	120
ggttcctata	acgcagaaga	caagcacatt	aaatggcctc	cttatctacc	atatactttc	180
cggcggtata	cgacaaaggc	attgatthta	gagacggaac	ttaagatttc	aattcagggt	240
gagtacctca	gcatattaaa	cacatctcat	tcacaaaacc	atgtgctctc	ttga	294

<210> 13169

<211> 459

<212> DNA

<213> A.fumigatus

<400> 13169

gacgaagaca	tgaagagtcc	gcgaagcgaa	cacggcagtg	ttaacggaag	ccatagaagc	60
agaaagagga	gcagaacccg	tgacagtga	cgcggtcggt	ctcgcggtga	tgcctacggc	120
gacgactacc	gttcttcttg	cgactattac	cgcggacctg	gacggcctcg	cactcgatct	180
cgctcccctt	atgatgaccg	atactaccgc	ccttcgggtc	gctctcatcg	agaagatcgg	240
gaagatgagc	gacgttcccc	ccgtgaacgc	aagcgcagcc	caagccgaga	gaagtctcca	300
gagctcaatg	aggatgaacg	tgacaggcgt	acaatctttg	ttcagcagct	tgcggcacgt	360
ctgagaacga	aggaactgat	tgttttcttc	gaaaagggtg	gacccgttaa	agaagctcag	420
atcgtcaagg	atcgtgtgag	tggaaaggct	aaagggttaa			459

<210> 13170

<211> 360

<212> DNA

<213> A.fumigatus

<400> 13170

gtgtggctcc	tctacttgtt	gctagtttgt	cgactaatgg	ctcatagtgt	gggctatgtc	60
gagttcaaga	gcgaagaatc	cgtcgcacct	gctattcagc	tactggaca	gaagcttcta	120

gggattccaa	tcategcaca	attgacggaa	gcggaaga	accgccaggc	ccgtaatcca	180
gagggcagca	gtggacataa	tcacgctgcg	ccatttcaca	ggttatacgt	gggtaatatc	240
catttcagta	tcactgaaaa	tgacctccag	aatgtgtttg	aaccgttcgg	tgaactcgaa	300
tttgttcaac	tgcaaaagga	tgaagcaggt	aggagcaagg	gttacggctt	tgtacagtaa	360

<210> 13171

<211> 1170

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (876)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13171

cgagaagccc	tgtcgccgat	gtcaggaaaa	gaatctggtc	tgccattggg	cgcagggggg	60
cagttcgatc	gacggatccc	ctccatccca	acgtcaaggt	gggtgcgaga	ggactcagtt	120
ggccaggccc	accaactaag	ggaatcaaat	acagtatgtg	aaagcgacca	ggcgccacat	180
ctcccgatcg	acaggcaaat	cacgcccgg	ccaccccaga	tggtcagtc	ccatgcgcag	240
atggacaatt	acctccctgc	ggggcttcaa	tcagggtgc	ctacgatgga	tagcgacagc	300
ggcgtgttca	gcgtcgacgg	aaccttcttt	cccgaactta	tcccggactc	actgatcccg	360
tcattgactc	gaatgagcga	tctggaccgg	ctgccgggtc	ttccacagga	ctccatccac	420
aatgtctttg	accacaatgt	cgacttcgac	ttcgatttga	ccgacttgga	ttatggtctc	480
attgacctgt	tcaactcgcg	gggcgctgtc	catcatcatc	atcatcatca	tgcctacaat	540
agcgacggag	ccaccgagca	tggtgatgcg	gacagcggca	ttgccatcgg	cgccgaggcg	600
tatcatcggt	catctctgtc	cgcgtggaaa	cccggccgg	aagatcatgc	ctttgctgac	660
caggagaatc	tgtctgtccc	ggaggcgatt	gacagccccg	aggccaattt	tagaccagat	720
cgtcagatgg	tctcggaacg	gttgtccccc	agcggccgtg	atcgcatttt	tggcctagt	780
ctgcagacca	gtcagcgaac	caacctcact	cgcacatga	aatccttccc	aagtacccaa	840
ctgctggaca	gcttgataca	gtactacttt	gagtcncaat	gtcatgacat	cgactcctgg	900
atccacggac	cgacctttcg	gatgaatgac	gaaacccccg	atatgcttgc	cgctctggcc	960
gcggtctggag	cccttatatc	aaccatccc	accatccgca	agttagggtta	tgccttgatg	1020
gaaatcgtgc	gtctgcagct	gtcggataag	gttcgttgg	atctgtacct	cccggcggcg	1080
aaagaatacc	agctaacgct	gctcacatgt	agtacgagag	cgacaatacc	accatacgcg	1140
atctgcgcgc	ctcgcagacg	tttgcgctga				1170

<210> 13172

<211> 288

<212> DNA

<213> A.fumigatus

<400> 13172

atctgttgca	gggacctgat	gaagcgacac	gcggccggtc	atattcacc	acgcgacacc	60
aaacgaaggc	gcctctcctc	ctatcccaag	aatggctcgtg	tgtcgcaggc	ctgtaagacc	120
tgcgctgcat	cgaaactcaa	gtgtgatgac	gagaagccct	gtcgccgatg	tcaggaaaag	180
aatctggctc	gccattgggc	gcagggggtc	agttcgatcg	acggatcccc	tccatcccaa	240
cgtcaagggtg	ggtgcgagag	gactcagttg	gccaggccca	ccaactaa		288

<210> 13173

<211> 1086

<212> DNA

<213> A.fumigatus

<400> 13173

tcgtttgtgc	ctgtagctgg	accaactgg	ttactgattc	gagacagact	cgtgcatcac	60
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ctgtttctgc	acgatgccca	gtcggccatg	atgttgaacg	tgaacccaat	catttcgtac	120
tccgagctgg	agcttcccct	gcctgctcct	cgctcggttg	gggaggcgaa	atcggccacc	180
gactggaagg	aagcgtactt	ggcgagcgga	ctgtcgagcc	atggccgaac	gccctcgttg	240
gttgacacgc	tccaagacat	gtcgcagttg	tcggcctttc	agtcgcgaat	cgatcttcaa	300
ctgtccacct	cggccgtcat	ccacgggtctc	ttcacgctga	tcagcgaata	tcacgcgccac	360
aaattcatcg	cgaaggcca	ttccaaacat	tggatgctt	tggatgatcag	ttcgcgacat	420
caagagttgt	cacaagcgat	gcaacatcta	cgcagctgtg	gtttcgagat	gtccagcgct	480
ctcgggcccc	ggattattct	ggtctcggag	ctcatctcca	tgttctcca	catgtcgctg	540
gaggaactgc	agctgttcgc	cggcaaggag	gataagaacc	aagcccgtcg	ggtataaccag	600
agcgcgctcg	agtggatcgg	cagtattgac	tcgcgccgag	cgatttgcca	cgccggccag	660
gtgatacggg	cggccaaagt	catgcccccg	gggtctttga	ctgggttctt	tgcgttgggc	720
gtgtactacg	ctagtctcgc	gttttggtcc	tacagtgtcg	tctccagagc	caaaggttct	780
ccagcggcgc	tcgtcaggcc	gccatcggat	tcgcacttcg	gcgggccctg	gcctaccgtc	840
tacctggacg	gtgaggaaac	ggccgacgtg	cagaggttca	tctctttagg	gtgcggctgt	900
ccggctttgc	aggetcccag	tgggtgccgcg	gtcatcactg	atcctggtca	gatcatggat	960
gcaattcagg	ggattctgcg	cgggtgatgct	caccatgata	atatacctcc	tttgggtccag	1020
ggtcttactc	agttgatgtg	cgatctgggc	aacgcagcgc	gatccaagac	ctatgcccc	1080
acatga						1086

<210> 13174

<211> 222

<212> DNA

<213> A.fumigatus

<400> 13174

aaggccgaca	actgcgacat	gtcttggagc	gtgtcaacca	acgagggcgt	tcggccatgg	60
ctcgacagtc	cgctcgccaa	gtacgcttcc	ttccagtcgg	tggccgattt	cgcctcccac	120
aacgagcgag	gagcaggcag	gggaagctcc	agctcggagt	acgaaatgat	tgggttcacg	180
ttcaacatca	tggccgactg	ggcatcgtgc	agaaacaggt	ga		222

<210> 13175

<211> 537

<212> DNA

<213> A.fumigatus

<400> 13175

tccatcactc	atttttgtcc	ctctttggcg	ctcgtcatgc	gtatctccta	cggctcagcc	60
gttgctgctc	tggcagcggc	agctaagtct	gcattctctg	ctgacgtgtg	caccatctcc	120
catgtgcagt	ccgtgcttcc	ttcaaaccga	actcttctgg	gtatcaacgt	gattccgtcc	180
gccgtgactg	caagtgcagt	ctacaacagt	acctccagcg	gcggcatggg	cggcatgggc	240
ggctccaaca	gtgccaaacta	cccctactgc	aatgtgacgg	tcacctatac	ccaccccggt	300
aagggcgaca	aggtggtcgt	taagtatgcc	ttccccagc	cttccgactt	caagaaccgc	360
ttctacgttg	ccgggggtgg	cggttactcc	ctctccagcg	atgccactgg	cgggtctagag	420
tatgggtcgg	cgtctggtgc	caccgatgcg	ggttacgatg	ccttcagcta	cagctacgac	480
gaggtggttc	tttacggcaa	cggatcgatc	aactgggacg	gtcttcacca	aggggtga	537

<210> 13176

<211> 285

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (19), (47)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13176
gcttattctc cggggggtnt ggtgtgcgag attggcaaaa ataatgnaca tgcatttagc 60
tacatcctac tggtaactaat aggaagagaa ctgcttcctc taccctaaat gagccctgtc 120
ggagacggcc tggtaactcc ttattcaaac gctcctttgg ttgaacggta cttagtcaat 180
acaactcctg ctagcaattc gatgttgatc aaaggaagcg ctgctctgat ggctaaattg 240
acagtttccg gttcccacaa ttctggcaac ccctaccttt cgtag 285

<210> 13177
<211> 201
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (84)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13177
aattatttat tgattctaatt tccattgtg atgatcttct cgtggccctt ttatctccgt 60
acaaagtcac aaaaggggtgc ttanatgttt gtctcgatcc aacggaatcc tcattatttg 120
acaagcaacg ctggtgggtt cgatgaaacg cactcaacac ctctttatcc cctgtttatt 180
gagggtctct ggttaagttg a 201

<210> 13178
<211> 417
<212> DNA
<213> A.fumigatus

<400> 13178
tcgccgacgt cctgggcccg tcgcttccca ccactcgggc ccctccctct ccttggtccg 60
caaccggcg cggtaactcg gccgcgcgcg ctgccactcg cttctcctct tgtgagagcc 120
gccggcgctc gagctcgcgc cgcattctcg gggatatatc ctgctgctc tcctcgccac 180
tcgaaccggc cgcgtagtgg ggcacttcg atgttgtcac agaaggccat ggtttcgcca 240
cgtectctgc agtgggagac ggccatttat cctgattgct ctgttcgaag cggcggaag 300
cgtcgccgaa tcggccggca aacaacgtct tggtgccgga cagcgacagc gtggaaagac 360
tcgtgcgctt actgtgcttg tggctgccac tgtaccgctt ctgcgccttc cggttga 417

<210> 13179
<211> 2022
<212> DNA
<213> A.fumigatus

<400> 13179
aagcgctcat cggtagttg ccacctgtgt tggattacgc aaatactgac agccagtagc 60
atggatgttg aaggagcatc cacagaagcg tcctactatc tacgaggtac tgcgcgaggt 120
atgcagcatg cagggaaagg aagttcctat tcgcgatgta agcggctgc tctaccaca 180
agcggattcg agaattctac gtcttctcca cccagatat atgccaatcg ctctatctca 240
gaatctcgtc gttatcagga acttcccccc tccccgggtg aagcacctca agtgggggca 300
gtgttctctc cacctatcca ggaaacacag ataattccgg aaattgcgcc gatgcgtcga 360
ggacgtccga ctgcaccgga tcattctcaa cacaactcgg cgaaaccgag cccgtctccc 420
ttccgcgctg gttcttctac agaccccttt gctgctctg acggcactgg ccacaagtcg 480
cgaaactcca tcgaggagtt ttcgaatcgc ttcccgctctc ttgatcagtt ccagatcctg 540
aacgaggaaa aggacaagtt tgaattcgag ccgaccgtgg tagagaagaa gtcggaagat 600
gaggatcttg cacgaagact cacgaatgct cttgcggacg acgcctttgc gaagccgcag 660
aatgaagaac gaccgatcaa ccagcgacct cagacgtcct cagtggagac aaagcctgtc 720
gagccacccc gacacgttcc cgagcagccg tcaactgcagg ctccattgta ccagccggtt 780

ccccagcgac	ccaccatggt	gtccactggg	acaatgacat	cgctccacc	cacgccagga	840
gagatcaaat	catccagccg	taatatattac	aggttccctt	catcggatca	tcaccgccag	900
ccgtccaatc	cgtcttggtt	ggctgaggca	gatcaaaagt	ctgtgcgacc	gaacaaagcg	960
ccgtcgctc	ccaccctatc	ggcgagaccg	gagccacacc	ccaagacctc	cttcgacaag	1020
ttggcctcgc	tgtcatcact	gtcgtcacgg	ccctcgttgg	atggggcgcg	accgaacttg	1080
gacgtcgatg	ttcccgtagg	ccgggtccaag	tcggccaacg	gcaaggcgcg	cccgggtctt	1140
gtccataccg	gatcgaggct	ggagttctcg	cggggggtccg	agagcgctcg	gtcgtctctg	1200
gaattgagca	gaccgatgta	cgaagggtggc	gcgccgctgc	agcacgcgcg	caccgatatg	1260
gacatgtccg	aacggggccaa	tatctcgtcg	gatgtggact	ttttgcgcgc	caggggaagag	1320
gaactcaacc	ggaagcgcg	gaagcggtag	agtggcagcc	acaagcacag	taagcgcacg	1380
agtctttcca	cgctgtcgct	gtccggcacc	aagacgttgt	ttgccggccg	attcggcgac	1440
gctttccgcc	gcttcgaaca	gagcaatcag	gataaatggc	cgtctcccac	tgcagaggac	1500
gtggcgaaac	catggccttc	tgtgacaaca	tcggaaagtgc	cccaactacg	ggccgggttcg	1560
agtggcgagg	agagcagcga	ggatatatcc	ccggagatgc	ggcgcgagct	cgagcgccgg	1620
cggtctctac	aagaggagaa	gcgagtggca	gcggcgccgg	ccgagtaccg	gcgccgggtt	1680
gcggaacaag	gagagggagg	ggcccagatg	gtgggaagcg	acgggcccag	gacgtcggcg	1740
attaagagca	gggtgcagac	actgctcggg	cagagcaaca	agccccacc	tcacaagacg	1800
gcgacgggct	acggggcggt	cacagacgag	tcgagtgtctg	ctgctttgca	ggcgaagcag	1860
acggaaggcc	gaccggagtc	gcggccaggc	acacgaagcg	gagccacgta	cttggctcaa	1920
gaacagcaga	ctgcaagacc	ggcgagcgcc	tccaggcagg	agaccgcgcg	cacgggtcttc	1980
accacggggc	tcgaaggatc	cgcgccatgc	gtaaccgcgc	aa		2022

<210> 13180

<211> 489

<212> DNA

<213> A.fumigatus

<400> 13180

caacatcgga	agtgccccac	tacgcggccg	gttcgagtgg	cgaggagagc	agcaggagata	60
tatccccgga	gatgcggcgc	gagctcgagc	gccggcggtt	ctcacaagag	gagaagcgag	120
tggcagcggc	ggcgggccgag	taccggcgcc	gggttgccga	acaaggagag	ggaggggccc	180
gagtggtggg	aagcgacggg	cccaggacgt	cggcgattaa	gagcagggtg	cagacactgc	240
tcgggcagag	caacaagccc	ccacctcaca	agacggcgac	gggctacggg	cggtacacag	300
acgagtcgag	tgctgtctgt	ttgcaggcga	agcagacgga	aggccgaccg	gagtcgcggc	360
caggcacacg	aagcggagcc	acgtactttg	ctcaagaaca	gcagactgca	agaccggcga	420
gcgctccag	gcaggagacc	gcgcgcacgg	tcttcaccac	ggggctcgaa	ggatccgcgc	480
catgcgtaa						489

<210> 13181

<211> 801

<212> DNA

<213> A.fumigatus

<400> 13181

tggagaataa	cttcttcgga	gggtgtttgg	cccagggttaa	cgctcgtgcga	atctcccagc	60
ccggttggtt	ggtccgatcg	ggcagtgtgg	aagcgggttg	cgteccccga	taagcctgca	120
ttggcgaaata	tgcggacgga	ggtcgagaca	atgaagaaac	tcaaaggaca	ccggcacatc	180
gtcaagtaca	tcgattccca	tgcgtcccag	ctgcgagggg	gcgggtacga	ggtgtttctg	240
ctcatggagt	tttgctccgg	gggaggtctg	attgatttta	tgaacacacg	attgcagaac	300
cggctgacag	agccggaaat	catcaagatc	ttctcggatg	tggcggaagg	ggtggcctgc	360
atgcactatc	tcaaaccccc	tttgctgcac	cgcgatctca	aggtcgagaa	cgctctcatc	420
tccttcocagg	gaaatacccc	tctctataaa	ctctgcgact	ttggctctgc	ggctccacct	480
cgtccggctg	ccacttcggc	tgcggagggg	cgtttgattg	aggatgacgt	tcaacgacac	540
acgacctctg	agtatcgaag	ccccgagatg	attgacgtct	accgcaaaca	gccgatcgat	600
gagaagagtg	atatctgggc	gctaggagtt	ctgttatata	agctgtgcta	ttacactact	660
ccgttcgaag	aggtcggcca	aatggccatt	ctgaatgcga	gctacaagtt	ccattcatat	720

ccccattctt cggatcgtct gaaagcgctc atcggtagt tgccacctgt gttggattac 780
gcaaatactg acagccagta g 801

<210> 13182
<211> 363
<212> DNA
<213> A.fumigatus

<400> 13182
gcggtctgct ctaccacaaa gcggtattcga gaatctcacg tcttctccac cccagatata 60
tgccaatcgc tctatctcag aatctcgtcg ttatcaggaa cttccccct ccccggtgga 120
agcacctcaa gtgggggagc tggtctctcc acctatccag gaaacacaga taattccgga 180
aattgcgcgc atgcgtcgag gacgtccgac tcgaccggat cattctcaac acaactcggc 240
gaaaccgagc cgtctccct tccgcgtgg ttcttctaca gaccttttg ctgctctgga 300
cggcactggc cacaagtgcg gaaactccat cgaggagttt tcgaatcgt tcccgtctct 360
tga 363

<210> 13183
<211> 249
<212> DNA
<213> A.fumigatus

<400> 13183
aacctctgta tactcgccat gggtcagett catcgtaacc cgcccttccg tgccgagcac 60
cttggctctc tcctccggac caaggagett ttgaagggtca agacagcgtt cgagaaggga 120
caggcttctg cagccgagct caaggctgtc gaagagaggg atatcaagga tattgtcgag 180
accagaaga agctgggcta tgccgctctt tccgacggag aatactgcag acacagtaag 240
gttccttaa 249

<210> 13184
<211> 630
<212> DNA
<213> A.fumigatus

<400> 13184
gaaacctgga aattgcacgt cctggactgg ccagcagaca tactaaccac cacaccagac 60
ttctgctcag agaagatgct ggagggctgg aaagccgac ctctaaacac cgccactgcc 120
gacgagatgt ttgacaagta cgtcaagcaa tataacgaac tgctgtccaa ggcgtcctgcc 180
gatctccacg tcggcggttca catctgtcgt ggtaacttcg ttggtagcgc tcaacttctcc 240
gaaggcggct atgaccgcat cgctaccaag cttttcaagg agctcaacgt tgacacctac 300
tacctcgagt acgacactcc cgtgctgggt ggattcgagc ctctgaagga gctgccccgc 360
cacaagaacg tcattcttggg cgttgtgacc agcaagttcc ccaagctcga ggacaaggag 420
gagatgaaga agcgcgtcta cgacgctgcc aagttcatcg ctgagggcaa caacatcagt 480
gttgaagagg ccctcaagca ggttggcgtc agccccagt gtgggtttgc cagtcaccgt 540
gaaggtaacg ctattgactg ggatggcatg atcaacaagc taaagcttgt ccgcgaaatt 600
gctaaccgata tctggcccg tgagctgtga 630

<210> 13185
<211> 483
<212> DNA
<213> A.fumigatus

<400> 13185
ttcgatgtac gtgcagtgtt ttggggcagt ttcttccttg gtctcgaggg ttctgaggaa 60
gttactgact ttgacgccga tatcttccgc ccctatgctc ctgatgttgc tgcgttcttg 120
gaagcaggcc acaagcctgg cgagactgtc atctgtactg gcaagatcaa gcacgttggc 180

agcacatacg	tcgaccagtt	caagcatctg	gctagcctgg	tggccctga	ggaggtcaag	240
aacctgaagc	tcacccttgc	tgctcccaac	tggtaccacc	ttcgttacaa	gaacggcaag	300
gctttcccaa	aggacgtgta	cagcaccgag	gacgagtacc	tgagcgatat	cgccaaagcc	360
taccaggagg	aattgcagat	cctgtacgat	gctggctgca	gaaacgtcca	gtttgatgat	420
cccaaccttg	cttgtaagaa	acctggaaat	tgcacgtcct	ggactggcca	gcagacatac	480
taa						483

<210> 13186

<211> 213

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (22), (109)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13186

cgtatgaatc	ttgtattaaa	anaaaaatat	tatattgaca	tgatagccta	taaccctctt	60
cagagttcta	acaaatgttc	ggcgaaagaa	atgatccgtt	ataatcaanc	ggggaaaagg	120
gtggctaact	ttaattacgg	agttactttg	ggggctttta	atataattcg	catgagtgtc	180
aaacctcaat	gttaccacaac	ccttgggtgt	taa			213

<210> 13187

<211> 663

<212> DNA

<213> A.fumigatus

<400> 13187

gcacaggacg	gatcacttgc	ggtacaaggg	gctcgtcca	ttgcaccact	catcaactcc	60
ctgctcgcca	accaggctt	cgtgatacgc	gtagcctcgc	aagattatca	cccccggtat	120
catgtatcct	tcgcgagcaa	ccatcctgag	cctaacaatc	ggccatttga	gtccgtcatc	180
cagatgaaca	atccggcgcc	tggaaaggaa	agcgagacca	aggagcaaag	gctatggccc	240
gttcatttgc	ttggagggac	taagggggcc	actatcatcc	ctgagattga	cagcagtaag	300
atcgacctgc	acgtgaaaaa	gggcatggac	tcgcgcgttg	agatgtactc	tgccttctcg	360
gatgcgtttg	gcaaccttga	cccagctgtt	catgctcagt	ccgtggacgt	tgatctcaaa	420
gcagtgtctg	cggagagggg	catcacgcac	gtgttttcag	cggggatcgc	gggggactat	480
tgtgtcaaat	acacggctat	ggatgccgcg	agggctgggt	tcaaaaagttt	tcttgtcgag	540
gatgcgacca	gaagcgttga	ttccggtgca	ggatgggagg	aggctaggcg	agagtgtgaa	600
gcagcgggtg	tatcgataat	tcaatcggac	gggcctgaga	ttgcggctct	cacggcgtct	660
tag						663

<210> 13188

<211> 342

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (296)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13188

ggcgaagcgc	ttatacatat	cagccacgca	atgtctacaa	acatgagtat	ctcaacacaa	60
gcagcgacgt	gcacaactac	tgatgagaac	atcagcgctt	caacgacacg	cctaaatcaa	120
gataagaact	tggcggagaa	attaccgtac	tggctcgtca	atgtgcccc	atcacagtgg	180

cgggcggaat	gccctccgtt	cctgcgcgac	ttaccggcca	agtctatttc	aattctgtcg	240
actccagatg	cggagtagaa	gaaacaggat	tgggagacgg	taaaggagat	tggtantaat	300
tggggccggg	tcggcggata	ttgtacggca	acttgctgct	ga		342

<210> 13189

<211> 861

<212> DNA

<213> A.fumigatus

<400> 13189

aagcagtgtt	tggtcagcac	atthttcgtt	accactacct	acatttcagc	tcgctttctc	60
cgaacgttcg	accgatccca	gtctcgtcat	gcacccccct	gttccacccc	cggctggcgg	120
ccgttcgcct	tcgcgccgac	atatctctcc	atactcggta	ttctcatgct	gataatgttg	180
gcggtgcttg	agggcgtccg	tcgatatacc	gatecgtatg	gaggcctcgt	cttctaccag	240
gataccacca	acctttccag	ccccgccaca	ttcgcttaca	actacgtgcc	tggtatcggt	300
gccctgatac	tcgtcacatc	ctggctcttc	atcgactttg	acgtcctgcg	acttgagccg	360
tattttccaa	tttctcgcgc	cgagggcact	ccagccacaa	cggtattcat	caattacaat	420
tttgggccaa	cctttctgac	cccacttact	tcggccaaga	ggggctcatt	ggctcgattg	480
cttgatcac	ttcttacagt	gttgatgcgg	atcttctctc	ccgctctgca	gagtgcggtg	540
tttgagttga	gggaaataag	catcctgagc	gacgaaacca	tcggaacatg	gccgaatctt	600
gtggacctcg	atagccaggc	tcggtggatt	gtcgcacagg	aaaagaacaa	ttgggacttt	660
tcgacgtctc	cggcaggcag	tccttttcag	aagactcgct	ctgccaagta	cgccgttgcc	720
cctgtggaaa	ttcccacgga	cgacttccga	gaaagcacgg	tatggacact	gaaccaaacg	780
atatactggg	cggagctttc	ttgccaggat	gttatgggtg	atgagagcct	ggaagttttc	840
gcaaaggaga	cgacggactg	a				861

<210> 13190

<211> 429

<212> DNA

<213> A.fumigatus

<400> 13190

ctgccgatca	tctcatggaa	tgtcaagggg	gtccagcttc	agcaacaagg	ccaggatcaa	60
cgggtgtacc	tggtattcca	atacagcaac	atattcttcc	cttcgagcga	ttatgtccag	120
atccgctact	gggagccagt	ctggacggac	aatgtttccc	agtcattctt	ctacgacagt	180
tgcaaccctg	ttgatctcta	cggcatactc	attagtgtca	acgctacgcg	cgccacggac	240
ctcgatgcgg	atgacatgtc	actatctggc	gtcaccttcg	catcctcggc	aacctttttt	300
gcctgcaata	tcgactatcg	caaggccgac	gcaaagctcc	agcttcatgc	caatagctcc	360
atcacatcag	tggaagtaca	ccccggcacc	accactgtat	taaccgacga	tcagttcaac	420
attgacgag						429

<210> 13191

<211> 249

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (197)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13191

cgaggggaag	acggggcaaac	attcaggtca	agttgtcatg	ctggctttgc	tctcttttat	60
ccctgctgct	gtctgacgtg	gcagttctaaa	ttcttcgagc	aggtgtatgg	cttaatctgt	120
gctctgtcga	ttatttttct	gcaatctgac	cagaaagtga	ctcaggatca	gctcgtcggt	180
gtttgccggg	taaacanctg	gcagatcttg	ggtgcccccta	agaagtgcta	ttggttacta	240

atctgtctc

249

<210> 13192

<211> 186

<212> DNA

<213> A.fumigatus

<400> 13192

tgctggacca	ggacagctgg	agattgtaca	gtcatctcat	ggatgctttt	ggccagggtca	60
gtcggatcat	tgaattccga	catcacaccc	cgctgtgtga	tttttagcac	acaggatgat	120
aagatgctgc	tgctttggga	ggaaggcgct	gtccttccta	atacagttcc	acttgatcct	180
gtctag						186

<210> 13193

<211> 384

<212> DNA

<213> A.fumigatus

<400> 13193

ggacattgca	gttcgaacgg	acatcaagat	cagtcaggac	gctgcatccc	tcagatcaca	60
gacttgatca	cttacatgat	gtcctacacc	aatatatacg	cagcaaaggg	gagtaatttg	120
ctccttctga	aagacattcg	cggaccaagt	tctcccgctc	tgtccaatgt	cgacaaacta	180
ggagagcttt	ctccagtgtt	ttgccagact	gttacacaca	gaactagtaa	gtccacttct	240
ccagatggcg	agaaacccaa	aagcctcgcc	cctattcatt	ctagcccctg	gcccgggcct	300
cgattcgagc	agtttgttgg	ccctaacgac	ccggatggaa	ccaattatgc	cctgacgctg	360
gaggttcac	tccagctagt	atga				384

<210> 13194

<211> 789

<212> DNA

<213> A.fumigatus

<400> 13194

atcttcttgt	cgaatcagtt	cacctacttc	atactatgtc	ctgctatcaa	gatctccatc	60
atatgcttct	atcgctggct	gttcaacaca	aaaagttttc	aattagtgac	attcgctctc	120
aatatcctca	tcgccagctg	gggagcaggt	atcttccttg	cttgtgccgt	acagtgccgt	180
cctctcagag	cgtaactggga	caaaaagcatt	gacgggtcact	gttttgacgg	gaacaagttc	240
ttcatcgta	accaggcctt	caacgtcatt	atggatttctg	tcatattggc	cttgcctatt	300
cccatgattt	gggggctaca	aagagcatgg	caggacaagc	tcgctttgaa	tggcgtattc	360
gccctagggtg	cttttgtctg	tttcgctagt	atctaccgga	tcgtcgtgct	cttctggatc	420
aaaacatccg	atacgacctt	tactgtctac	caggccacgc	tttggacgca	tatcgagccg	480
tccatcgggc	ttatctgctc	ttgtctcccc	atcatccgcg	ggctctttcc	gacactcaag	540
ctgtctggca	gccgcaagac	tacggctcct	tactacatca	gaaccgacta	cactggctcc	600
cacctcgcca	ctttgtcaag	cccaaagtct	cctgcatccg	cctactttaa	gatggaggaa	660
ggtctcatgt	cccagaccac	taccgatacc	gaggtcccgc	cagacgatta	cctcagtcct	720
aaggacattg	cagttcgaac	ggacatcaag	atcagtcagg	acgctgcac	cctcagatca	780
cagacttga						789

<210> 13195

<211> 855

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (193)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13195

cgaacatctc	ccttcttcat	ccggagcatc	gcctccttga	gaccctcctc	accgatttgc	60
agctcccca	ccaagtctt	tcaggccctt	gtcggccgcc	agttgaagca	tggccagcat	120
ctccttccgg	ctgcccagat	gactcgctcc	gatcagaact	ccgttcgaga	tgaggtgctg	180
cgccttgatg	acntggcctt	cttcctcggg	cagaccgacg	ctgatccagc	ggccatgcac	240
atccatcata	gacaggtact	tggacaggtc	gaagccctcg	gaggagtctg	cgcatgtgat	300
gatgaggctg	aacgagaacc	ggtgaggctt	ttcccagccc	tcctccgccg	tggcgatgta	360
tcgctccgca	ccaagcttgc	gcgcctcggc	ctccttggcc	cgactcgagg	agatggccca	420
gacctccgcg	cccagcgcc	tggcgaacat	cacgccaaag	tggccgatgc	ctcccaggcc	480
gacgataccg	accttcttac	cgggcccggc	cccgttgccg	accagaggcg	agtatgagg	540
cagaccggcg	cagagcatgg	gggcgacgag	gttgggtctc	agggcgctcg	ggatgggaaa	600
cacccagtgc	tcgtgggtgc	gaacgtggga	ggagtagccg	ccctggctga	cgatgcccg	660
ctcgggccac	tcggcgccgt	atgtgtcgat	catgaggacc	gggcagtagg	tctcgttctc	720
gttcttgcat	tgtttgcatt	caccgcagga	gtaggactga	gcgccgacgc	cgacacgctg	780
gccttccttg	atcagggtca	ctttggggcc	aacgcgaatt	gcacggccga	cgatctctgt	840
tggaagcaac	tataa					855

<210> 13196

<211> 462

<212> DNA

<213> A.fumigatus

<400> 13196

ggacgcttac	ttccactcgg	cgtgaagagt	gctacgccgt	cggcaacgac	gagaccctgt	60
acgagtactt	caccgccgtc	goggacggct	ccccgctccc	cgtcctcctg	tacaactacc	120
ccggggccgt	cgccggcctc	gacatggact	cgcacctcat	catccgcctc	tcgcagcacc	180
ccaacattgt	cggcaccaag	ttcacctgcg	ccaacacggg	caagctcacc	cgcgtcgccg	240
gcgcctcctc	cgccatcacc	cctccgctcc	cgctcgtctc	caccacaaag	agagcctcca	300
ccaagccggt	cgaaaaccac	ccctacgttg	cctttggcgg	tatcgccgac	ttcaccctgc	360
agacgctgg	gtccggtggc	tcggcaatcc	tggccggcgg	cgccaacgtc	atcccccgtc	420
tgtgtgtg	catcttcacc	ctttggagcg	agggccgggt	ga		462

<210> 13197

<211> 252

<212> DNA

<213> A.fumigatus

<400> 13197

agccttttgg	tgattacggt	gagtgggac	ttgaatcaag	ctgccagcat	gacgtttg	60
atggctgaca	caatccgctt	agatgtcgac	atcaaggttg	aagcgtgcgg	tatctgcggt	120
agcgatgtgc	acacgattag	tggtgagtct	tgggtttggt	ccaagaaaga	aattcaaagg	180
atagccccgc	tcacggcggt	gttcagggtg	ttggggagag	cagaaattcc	ccctttgcgt	240
aggacatggt	aa					252

<210> 13198

<211> 477

<212> DNA

<213> A.fumigatus

<400> 13198

agagtgtctac	gcgctcgga	acgacgagac	cctgtacgag	tacttcaccg	ccgtcgcgga	60
cggctccccg	ctccccgtca	tcctgtacaa	ctaccccggg	gcgctcgccg	gcacgcacat	120
ggactccgac	ctcatcatcc	gcacgtcgca	gcaccccaac	attgtcgcca	ccaagttcac	180
ctgcgccaac	acggggcaagc	tcaccccgct	cgccggcgcc	ctcaacgcca	tcacccctcc	240

gtccccgctc	gctcccacca	caaagagagc	ctccaccaag	ccggtcga	accaccccta	300
cgttgccctt	ggcgggtatc	ccgacttcac	cctgcagacg	ctgggtgc	gtgggtcg	360
aatcctggcc	ggcggcgcca	acgtcatccc	ccgtctgtgt	gtgcgcac	tcaccccttg	420
gagcgagggc	cgggttgacag	aggccatgga	ggcgcagcag	ttgtcagca	aggctga	477

<210> 13199

<211> 801

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (657)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13199

ttgcttccaa	cagagatcgt	cggccgtgca	attcgcgttg	gccccaaagt	gaccctgac	60
aaggaaggcc	agcgtgtcgg	cgtcggcgct	cagtcctact	cctgcggtga	atgcaagcaa	120
tgcaagaacg	acaacgagac	ctactgccc	gtcctcatga	tcgacacata	cggcgccgag	180
tggcccagga	cgggcatcgt	cagccagggc	ggctactcct	cccacgttcg	caccacagag	240
cactgggtgt	ttcccatccc	cgacgccc	gagaccaacc	tcgtcgcccc	catgctctgc	300
gccgggtctga	ccgcatactc	gcctctggtc	cgcaacgggg	ccggggcccg	taagaaggctc	360
ggtatcgctc	gcctgggagg	catcgccac	tttggcgtga	tgttcgccaa	ggcgctgggc	420
gcgagggtct	gggccatctc	ccgcagtcgg	gccaaggagg	ccgatgcgcg	caagcttggg	480
gcgagcgat	acatcgccac	ggcggaggag	ggctgggaaa	agcctcaccg	gttctcggtc	540
gacctcatca	tcaactgcgc	gaactcctcc	gagggtctcg	acctgtccaa	gtacctgtct	600
atgatggatg	tgcattggcc	ctggatcagc	gtcgggtctgc	ccgaggaaga	aggccangtc	660
atcaaggcgc	agcacctcat	ctcgaacgga	gttctgatcg	gagcgagtca	tctgggcagc	720
cggaaggaga	tgctggccat	gcttcaactg	gcggccgaca	agggcctgaa	gaacttgggt	780
gggggagctg	caaatcggtg	a				801

<210> 13200

<211> 678

<212> DNA

<213> A.fumigatus

<400> 13200

acgcttactt	ccactcggcg	tgaagagtgc	tacgccgtcg	gcaacgacga	gaccctgtac	60
gagtacttca	ccgccgtcgc	ggacggctcc	ccgtcctccg	tcacctctga	caactacccc	120
ggggccgctc	ccggcatcga	catggactcc	gacctcatca	tccgcacctc	gcagcacccc	180
aacattgtcg	gcaccaagtt	cacctgcgcc	aacacgggca	agctcaccgc	cgtcgcgggc	240
gccctcaacg	ccatcacccc	tccgtccccg	ctcgtctcca	ccacaaagag	agcctccacc	300
aagccggctc	aaaaccaccc	ctacgttgcc	tttggcggtg	tcgccgactt	cacctgcag	360
acgctgggtg	ccgggtggctc	ggcaatcctg	gccggcgggc	ccaacgtcat	cccccgctc	420
tgtgtgcgca	tcttcaccc	ttggagcgag	ggccgggtga	cagaggccat	ggaggcgag	480
cagttgctca	gcaaggctga	ctgggtgctt	accaaggcgg	ccatccccgg	caccaagagt	540
gcgatccaga	gctactatgg	ttacggcggg	taccctcggc	ggccattggc	ccgacttagc	600
gaggagcagg	cgcaagccgt	ggccgagaag	atcaaggatg	ccatggagggt	ggagcagtc	660
ttgcctgaca	ttgcatag					678

<210> 13201

<211> 276

<212> DNA

<213> A.fumigatus

<400> 13201

aacatggcgt	ttgacgatct	acctcaactg	gacgactcca	aggatcgacc	cggctctgtg	60
tctgcccggg	acagtaccgc	tgtctcactt	cagcctaccg	atgagatttc	cggcccggag	120
ggtattcgct	cgatcttcat	ccggcacttc	tctgccgaca	tcaataccaa	atacaccgat	180
ctgctcctga	tcgctctgcg	cttcgtgagc	ggcctcgctg	atggcctgtg	cttcaacgca	240
tggggcagtt	ttgccagcat	gcaaaccggg	ccgtaa			276

<210> 13202

<211> 750

<212> DNA

<213> A.fumigatus

<400> 13202

gatttccggc	ccggagggtg	ttcgctcgat	cttcatccgg	cacttctctg	ccgacatcaa	60
taccaaatac	accgatctgc	tctgatcggt	ctgcccgttc	gtgagcggcc	tctcgatggg	120
cctgtgcttc	aacgcattgg	gcagttttgc	cagcatgcaa	accggtccgt	aaccgaagct	180
ccctctgaag	acaattcagc	cactgacata	gctgaaggca	acaccgtctt	catcgccctg	240
ggcgccagcg	gccaaccagt	ctaccagcc	tacctctggg	ccaagtccct	cgccgcccgt	300
gccgtcttca	tctcttccat	gatcggtcac	atctacttct	cacgtctgct	gggtcctcgc	360
cgccgctcga	cgctcatcct	gtccttcagc	gcgcagacc	tggccctgat	ggccgcccgc	420
atcctcgctg	aaactggcgc	cgtcagccgg	cgtgctgaga	acccccgcgc	cccgatccaa	480
tggatgcaga	tctctcccat	ctcgttactt	gccttccagg	ccgcggggcca	gatcgtggcg	540
tcacggatcc	tcgcctacga	cgagatcccg	accgtcgctc	tgaccacact	cctgtgcgac	600
ttgatcgctg	acaaggactt	gctggcgcgc	gggtggacat	ccaacccccg	gcgcaaccgc	660
cgcgctggcg	ccttctctag	gctctttctg	ggcgccatga	cagcgggagg	gctgagcaag	720
gtgacggaca	tggtgccag	tctgtggtag				750

<210> 13203

<211> 282

<212> DNA

<213> A.fumigatus

<400> 13203

tcgatgggta	gatgctccac	acgacacaat	tatcaactta	gtgaagaatt	caataccaag	60
catagcttcg	tggatgctag	gggtgagtc	cagagtacct	atgttcagga	ctaccctcga	120
acaatattat	ctatagagcc	tggtaaatat	ttcgggcccc	tgtccaacgt	tgcactcccc	180
cagattctca	tgctgaaact	tgactcctac	gtctactggc	taccatatca	catttatgat	240
ataagtacct	cgaagagtgt	tcgaccaccg	ccatogaact	ga		282

<210> 13204

<211> 270

<212> DNA

<213> A.fumigatus

<400> 13204

agacaggacg	gggctgaact	gcccagcgt	gacgagaagc	cattcggtga	cccctggaac	60
ttgagtggcg	ctaccgaaga	ttactttgac	aattacaccg	gttactatga	cggcaggaaa	120
gggtggaaaa	ctcgctcctg	cggcgacacc	ctggacatta	ccacctggag	ttcagcagat	180
cgcaagaagg	cgagctttga	cggtaaggac	cccctcggtg	aggaagaacg	tgacgccatc	240
aagaaggggt	tggtcatgtc	tcttgcttaa				270

<210> 13205

<211> 285

<212> DNA

<213> A.fumigatus

<400> 13205

atccccacaaa	gccttttttgc	gcgtctggga	cggtggaaca	tgtacaccga	catggcacac	60
aaaatctccg	tgaacgggat	catggatcgt	cttgctgttg	acagcttcca	gtgcccttctc	120
agctgcagat	acagttacag	tcccatggc	accctgggtca	tgatccattt	cctcgcttc	180
ctcctcgga	ccatctctc	tctcgatcac	tgcgtctct	ggagctgggt	ggagcatgat	240
ccagcccatc	cggtgaaact	tcttcgaagg	attcggatcg	cttag		285

<210> 13206

<211> 642

<212> DNA

<213> A.fumigatus

<400> 13206

ctctctctgg	tcaattctta	cgttctcgat	cctgcccga	ttgccccctc	gcgttccgat	60
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ggtttcagcc	tggccaattt	accgcccata	cttgcaaaaa	acgtcaacat	ccctggcgga	180
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tggaaacgga	acggcttggg	aaccggcgag	catgctgcta	atctccatca	tcctgggtgc	300
atccgtcgtg	gtgggggacg	ttacaacaat	cggtccggag	cgtatgaccg	gcgcagcaac	360
cgtaaggag	cctctggagg	ccatctgagt	cccgccgtg	gcattgctgag	catgtacggg	420
gccggagctc	gtatgggagc	gagtgggtgca	gtgccgtata	ttcctcctgg	ccaccctgcc	480
gccgtcgcgt	tgatgggagc	aggtccattt	cctgatgcga	tgggacggg	acctggccag	540
cagggcatgg	gaccccgtag	agccacccaa	ggccgcagca	ttaagagcta	tgaggacctc	600
gacgctgtcg	gtggagcagg	cagtgggtgaa	ttgaattact	aa		642

<210> 13207

<211> 216

<212> DNA

<213> A.fumigatus

<400> 13207

ttcatccata	cacttttttt	tcttttcttt	tcccctgtct	acattatcac	tggcgtgggt	60
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ttcctttcta	ttttctcccg	ttccaaggat	ttttgggatt	acattatgga	cctcacgcac	180
ccccttatgt	gtaccatact	tgcggccgag	atctag			216

<210> 13208

<211> 1794

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (11)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13208

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accctggaag	gaatctacaa	gactgaaagc	gatggcgag	gcggcggtat	cgagaaggaa	180
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tgcggcgact	tgcgcgatga	ggcattgtca	cagccggcct	tgcttattaa	gactttggca	300
cccaatgtga	gcccgcgcga	gattgaggaa	ttctgcaagg	agcatctggg	ggagcaggac	360
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ggctggatca	tgctccaccc	agctccagag	agcgcagtga	tcgagagagg	agatggctgc	480
gaggaggaag	gcgaggaaat	ggatcatgac	caggggtgcca	atgggactgt	aactgtatct	540
gcagctgaga	aggcactgga	agctgtcaac	gacaagacga	tccatgatcc	cgttcacgga	600

gatttttgtgt	gccatgtcgg	tgtacatggt	ccaccgtccc	agacgcgcaa	aaaggctttg	660
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ggtgaagagc	aagaaggatg	ggacgatgac	gaagtcgacg	atgaagaact	tctggccaag	960
aagaaaaaat	tggaccttat	ggtcgaatat	ctacgcagag	tctacaactt	ttgctttttc	1020
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cgcgttccga	tgccaacagc	aatggccatt	tccctctcag	ctccagtcaa	aaccagaccg	1680
gtacccctcg	tggtttcagc	ctggccaatt	taccgccta	tcttgcaaac	aacgtcaaca	1740
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<210> 13209

<211> 1509

<212> DNA

<213> A.fumigatus

<400> 13209

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ctgcaaactt	ctgaaacggt	gggtttaccg	gaaacagctc	tcgcatactc	tgtagcccac	180
actctccgcg	ctctcctccg	ccttgaccca	cgaacagaga	acaccaatat	agttttttgtc	240
cgctgcgtat	ctgacgtggt	tgatatggcg	tatcgagcgg	aacgagacac	cctttatata	300
catgagaaat	ggttgtggcc	tcacaccact	tgccaaggcg	ctgaacaact	ggcaataccc	360
gagcccgatg	tgtttgtctg	gcagcacact	gtggaagatt	tatatcaccg	attactagca	420
atcattctca	atcagtctga	aggacgccgc	gcaggtcaaa	acacgcgaca	tctactcaga	480
ttggctcacc	agaaactcca	ttacatgccg	cgaacatcc	aggtgaccgt	cgaggatgaa	540
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ctgacatacg	atagcaccaa	cgacacttgc	gcttgtcctc	gaaaggccgt	ctccttagct	720
tcacggacag	ccaggttctc	cggccttaac	ggggtgactt	ggaccccgac	ggtcgttagg	780
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aacgaccgcg	tagaaactga	tggaaattgca	aaagacttct	tacggggagc	caatgcacag	1320
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tgcgaggtac	aggagaatgg	gcagcagcca	tgtgaagttg	gccatgacag	ttcaaatac	1440
agttcaacag	taagcacgac	ctcttttcca	cttcatcatt	atctcctggc	acagattgtc	1500
gtttgttga						1509

<210> 13210

<211> 396

<212> DNA
 <213> A.fumigatus

<400> 13210
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 acaaaactctc ctttgtacaa ggatcagacg ctcttgcaaa ttgcggaaaa gaagggtaag 180
 acccctcagc aggtttctgct ccaatggggg ctacagaagg gatggagtgt aattccaaag 240
 agcgtatccg aagaacgcac tggaaagaac tttgagctcg atggctggga ccttacagcc 300
 gacgaggtaa atcaattgga taacctcaag ggccgcttca aggtctgtgg tgacagctgg 360
 ttgcccgtca aggttttctt tggatgatgac gaataa 396

<210> 13211
 <211> 1350
 <212> DNA
 <213> A.fumigatus

<400> 13211
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 gcacgtattc ctaccgtca gccaatcagt cgagctgccg ctatccgcc aatccgcagc 180
 aatcgctatt tctctactcg tactgcaaac tccttcggtt cctctctcaa gaatgggttg 240
 cggggggaac acacagcgta tcgtccatcc cgtgttgacg ccaatatcag tcgcttgact 300
 agtcgtgccc cttttgcgtc gactctccgc cccaacttga ccggcggcac tcttggccgc 360
 accgctggag gttatgccat tggcgctgga cgtattgggtg gtgcccgtta tttctcgcac 420
 ggtccggctt ctctgcaca ggtgatcaac aatgtatcaa tgggtgtgag agccttcttc 480
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 aaggctgtga gcgcgctgca agatcaggct gagcgtaaaa tggcggcgat ccctcgtacg 600
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 tccagcatca acgtgagcga actgggtgat cgtgccttct ttcctgaggt ttcagcgcgc 1260
 ggtttctatg aaagcgcac agaggacgaa ggagtcgaag gtattcacag gttcctggct 1320
 gaatgtgatc gtgccgagca ctttcgttaa 1350

<210> 13212
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 13212
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 gtgttgtaca ttaaccttgg aggtggcgca acgcatctg cctatttcga gggcctaata 120
 atgccagcca ttcgtagagc tgaggccaca aatactatat cagagtttag gaaggactac 180
 acaacattga catcccatgt tttgacctga 210

<210> 13213
 <211> 333
 <212> DNA

<213> A.fumigatus

<400> 13213

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ctgaagggtgc	aatggtccta	taattcaaca	cgtgaaatcc	ctgcagactg	ggaggcaaca	180
ttatccttgc	gtgaagttgt	gaatatcaaa	tacagtcgca	tgtttcgggt	ccagcactcc	240
gagcctggca	ccacctattc	ctacgaagac	tgggaaggcag	gtcgaacggc	ccacgcaatt	300
gtcggtcgtc	gggattacca	caacgttgac	tga			333

<210> 13214

<211> 807

<212> DNA

<213> A.fumigatus

<400> 13214

ttatcggaac	tttggcagaa	aagccacgaa	atcaaggatc	cgatgggtcca	taatgagata	60
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cgcgaaaagg	ggctgcagat	tattgtcaag	ctgggggggca	ttgagctcgc	tcctgataat	180
ccgtccttct	tgggcgagga	ttggcacgtg	gacggcctgg	cgaatgaaca	tatagcgggg	240
gtagccttgt	attgctttga	tcttggaaac	gtggcgaatc	cccgaatctc	cttcgctcat	300
gagatttcca	tggatgccga	tgatttttgc	tttagttatt	ttaactggga	cattccgtat	360
ctggaaaggc	tgttcgggtg	tcagaatgag	aaaccatcgt	ttcaagaact	cggatctgtg	420
tccatacgtc	aagggggtct	gatcgctttt	ccaaactgta	tataccaccg	ccttgaatca	480
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gataccttact	accgcatccg	ttccaacgga	aatgtgcccc	cccagcgtct	cgattgggtg	600
gaacaggaag	cccgatccca	tctatcatca	gccatccac	ttccccaaga	attggcggat	660
cagatcatta	cggaggctgg	tctgtggctt	atgaacttac	cagaggccca	gcaccaccgg	720
cgtgagcgag	ccaaggagga	ggcattggct	tatgagaaga	tcaggagtca	gattgagcgt	780
aacactatat	gccttttgaa	gcaatga				807

<210> 13215

<211> 393

<212> DNA

<213> A.fumigatus

<400> 13215

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ctgcacttgg	cgaacgagaa	tgaggccctt	ggcgagatgg	atctcagcgg	caatatgacc	180
cggcagatgg	aggttgatct	tcctgtggaa	tcggatgcga	gccatgtcgc	caatgtcggg	240
aggctcgttg	aggatatgga	gttgaagatg	cggaaacttg	tgcgtatgtg	tcacatctgt	300
gaagatttgt	tctgtcttga	cacgtcacat	gctaatatga	cttgcgacgg	cagaggaggt	360
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<210> 13216

<211> 489

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (176), (189), (247), (259)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13216

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attggggcna	tctgggtccag	tttatgcagt	tgcatttttg	ccctccggca	aaacccctca	240
aagggcncct	gtccccccna	ccaaaccccc	gtgggggtggc	tctcctctc	tggagaaaaa	300
aaacatccca	aatcgggttc	cttgaatttt	tggagtggct	tgggtgttta	caaggcccat	360
aatcacccctg	ttgggggaatc	tccatggggg	gccctttggg	ccctaacttg	tttccggggg	420
gaccttaaca	aaacactcgt	ctcgtgggtg	acgaacatat	tcctcccca	cgctttttcc	480
tcggcatga						489

<210> 13217

<211> 192

<212> DNA

<213> A.fumigatus

<400> 13217

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agtaagccac	ttctctgtca	cggtagaacc	aaggcaatgg	atgctgacaa	gaatacaggc	120
ctcgcaccgc	tttcggaaac	caataaagag	aaggctgcac	acctggagat	gattagatcc	180
atgcagcgg	aa					192

<210> 13218

<211> 414

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (78)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13218

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ccgccactgg	aggatggcac	ggttcccagc	gagcgggtga	ggaagctcga	ggttgcggcc	180
aacgaggcct	tcgatgtgta	tcgggagctg	tactatgagg	gcggcgtggg	cagcgtttac	240
ttctgggatt	tggatgatgg	gtttgcgggc	gttatcctcc	tgaagaaagg	tgggctttgt	300
tacgctatgt	cttgtgaggt	gcgggctttg	ctaataggca	tggcgaatag	gtgtcacacc	360
cggagcgaag	agctcaggag	agtgggacag	cattcatgtc	ttcgaggcga	ctga	414

<210> 13219

<211> 900

<212> DNA

<213> A.fumigatus

<400> 13219

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gttctgtggc	cgctctttgt	ctattctttc	ctcaacatgg	tgacatcctt	ttaccctcaa	120
gaggccaaac	agttctttga	tatcaacaag	aacctgttcc	ttcctgagca	cacagacgat	180
atccgtaaac	tcgagcccat	cagtcttcct	gagcatgttc	aggacaacgc	cacggccaaa	240
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tactgcacca	tcattaccaa	agagcgtgcg	tcagacgatc	gtttcagctt	tgctgctatg	420
ttaggccaag	ctggagcagg	gcagacattt	cccgtgaag	acgaaggtat	ttccggtcac	480
catcctggat	cggcctacac	cggcgacaat	ccggcaatgg	ctggaacatt	accccggtct	540
cggctgggca	agcttcctat	ggaatcaacg	cttgagaccg	acgtacgagg	cgaattagca	600

gacgaagacg	tgaagaaccc	tccggcacca	ggccacaaca	gtctcgtgca	ggagtttgac	660
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ccctcgactg	ctcgcgatgt	ggctctggaa	gttcaaaagg	taaaagagaa	tcgtgatcgg	780
ttcaggattg	agggccggac	gggaggtggt	ggtcctgcag	tcagtgtttg	catgttcaca	840
ttccacaaca	cttatgacgg	gtgcgtaatg	accgtttctg	tgactggaag	tttttattaa	900

<210> 13220

<211> 222

<212> DNA

<213> A.fumigatus

<400> 13220

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caactccata	tcctcaacga	gcctaccgac	attggcgaca	tggtcgcgat	ccgattccac	120
aggaagatca	acctccatct	gccgggtcat	attgccgctg	agatccatct	cgccaagggc	180
ctcattctcg	ttcgccaagt	gcaggatgac	cgtgctcgtt	ag		222

<210> 13221

<211> 213

<212> DNA

<213> A.fumigatus

<400> 13221

acttctgaca	catgttttcc	cctcttgctt	cccagccgct	tgaatgtact	gtccagtgagg	60
acgatcacac	acaaagctgt	gtctattggc	tacacttggt	attccggcac	aaaacccttg	120
cttttgatg	ctgggccctg	gactgatagt	aaggctctct	ttaatgacct	cacgggtaat	180
ggaccgggca	gttccaattt	tgctcgtcca	att			213

<210> 13222

<211> 468

<212> DNA

<213> A.fumigatus

<400> 13222

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gtccggacca	tccgagaaga	tctcgcccaa	gtggcccaat	ccacacgaat	cgtcatccgc	120
tgcttgagta	gcggtcgcga	tgctcatgat	tcggcgagaa	aggctctttc	agtgttaata	180
gacatcctag	attgtctaca	ccgggtcaga	gaccagatca	gctggggcga	ggagaaatgg	240
ctcgtggaac	ccgcccggtc	caacgccttc	gccgaggtga	tcgtatgggt	tgggaccacg	300
ctcaggtcta	tcgagttcta	cttcagcca	ggcggtgtga	gtgtgtacta	ctttaggaag	360
catctactcg	gcggcacttt	tcttcgcgct	ctggagcagt	ataagatcct	actgttgctg	420
gcgatgcagc	ctgattcgag	gttggttgcg	ctcacagtgc	tgatgtga		468

<210> 13223

<211> 2391

<212> DNA

<213> A.fumigatus

<400> 13223

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ttcctcttag	cgaagataca	tctggacctt	ctggcgagat	atacagataa	aagtctgctt	180
gaaagggctg	ttatgcatct	accagagagc	ttgagcgagg	catatggtga	ggcaatgaaa	240
caggttggtg	gccagaatcc	aactgccact	cgccatgtat	actggacatt	gtatgcctat	300
cggccactca	ctgtcgcaga	actcaaggct	gctactcaaa	gcaagattgc	tagtgaagac	360
aaagatgaat	tagtcagttt	tgagcagttc	ttgcagaccc	agagcgcagg	ccttctgacg	420

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<210> 13224

<211> 570

<212> DNA

<213> A.fumigatus

<400> 13224

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<210> 13225

<211> 1581

<212> DNA

<213> A.fumigatus

<400> 13225

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<210> 13226

<211> 510

<212> DNA

<213> A.fumigatus

<400> 13226

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cggttcacca	ttgaaaagtc	tggatgatccg	gcagcattac	ccaaatctca	cacatgggtat	480
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<210> 13227

<211> 228

<212> DNA

<213> A.fumigatus

<400> 13227

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ttctccgttg	atgacgaaaa	atttggtgag	cgtcgacaga	ttgatctcaa	gccccgtggc	180
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<210> 13228

<211> 378

<212> DNA

<213> A.fumigatus

<400> 13228

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ttccactccc	atcccgtctg	tcgtccctcc	ccctcctcct	cctccgtccc	acgaacctcc	300
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<210> 13229

<211> 252

<212> DNA

<213> A.fumigatus

<400> 13229

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gatccgttcg	ctgtagccac	cgttgggtgt	gagcagaccc	atacgacatc	ggtgatcaaa	180
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<210> 13230

<211> 318

<212> DNA

<213> A.fumigatus

<400> 13230

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gccattttcc	atcgccgttt	cctcgattct	ttcttcattg	gtgcgttcta	caagatgatg	240
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<210> 13231

<211> 432

<212> DNA

<213> A.fumigatus

<400> 13231

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tatctcggaa	agaacctgag	tgccagatcc	gtcaatgcta	gtaacaccat	ggacatcgaa	360
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cgagccatat	aa					432

<210> 13232

<211> 309

<212> DNA

<213> A.fumigatus

<400> 13232

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tatggaaatt	cgcaaacctt	atccaatgag	gcaatcttgc	gctgggtcaa	tgctttttca	240
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acatcgtga						309

<210> 13233

<211> 675

<212> DNA

<213> A.fumigatus

<400> 13233

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<210> 13234

<211> 555

<212> DNA

<213> A.fumigatus

<400> 13234

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<210> 13235

<211> 696

<212> DNA

<213> A.fumigatus

<400> 13235

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atagtggaac	aatgcggagg	aatgacgcac	ttcgtcccca	gtgtggatga	ggcactcaaa	660
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<210> 13236

<211> 651

<212> DNA

<213> A.fumigatus

<400> 13236

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<210> 13237

<211> 198

<212> DNA

<213> A.fumigatus

<400> 13237

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tccaaagacg	acgatgtgcc	cgccggcatg	accaaactgc	ccaacggggg	gatcctagac	180
aagggaaggga	aaccgtaa					198

<210> 13238

<211> 360

<212> DNA

<213> A.fumigatus

<400> 13238

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gagcagcaga	ttgagatgcg	gtcgttcctg	agcttgttct	cacggctgta	ccctgctgg	300
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<210> 13239

<211> 798

<212> DNA

<213> A.fumigatus

<400> 13239

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<210> 13240

<211> 186

<212> DNA

<213> A.fumigatus

<400> 13240

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<210> 13241

<211> 360

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (62)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13241

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ttgaagaaaa	acatcatttc	accttgagga	actgatacct	cgtcttctct	gatcggtcaat	240
cttggaaacc	tgaaagtagc	tgtggctaac	ctgtcatttg	cagacgatta	ctcagttaca	300
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<210> 13242

<211> 222

<212> DNA

<213> A.fumigatus

<400> 13242

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acaagcgctg	gcatacgcag	ctctaagata	agcaacgctc	ttctatgcga	ctccctccat	120
cacggtaacg	acaaatgctg	gccttggggc	tacttcatat	accgcacagt	ccacaccccc	180
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<210> 13243
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 13243
 ggggataacc attgcgcgga tcttcgccct cctgtgggtga agacacgtat gagcagcgtg 60
 aagcaaacag gctgcatgct gtgcttgaat aatacatacc atctgggctt gaaaccgggg 120
 caggaggttc tagaccaagt gggcggcgcg cataagctgc aaggatggga tcggaatatc 180
 ctgacagata ccggcgggtg a 201

<210> 13244
 <211> 270
 <212> DNA
 <213> A.fumigatus

<400> 13244
 acgacgtcat tgcgactacc tctcccgatc atgccagaat tcacgaggcc atgggaacgg 60
 tccgttcggt ggctagaccg ctgtatcgat gcgcacaagt atcccgagag acagaacct 120
 ttctgtatca tccaaggcgg tctagacctg gagctacgga agcagtgtctg cgctgaaatg 180
 gttgcgcgag atacaccggg tattgccatt ggaggtctat cgggtgggtga ggcaaaggag 240
 gagttttgta aagtgtatgt gttggcgtaa 270

<210> 13245
 <211> 1131
 <212> DNA
 <213> A.fumigatus

<400> 13245
 ttctgcttat cagcacgtga tctcgcgcgt cgcgtttacg cgttactcaa aaaagtcctc 60
 cgcaaccaat accaaagacg aaacatctca atcaccatga caattcaatc caaagaccaa 120
 acaagcatca tgtcgcgggc agccgtgttg ccgcaagata ccccgagcca aactggcaca 180
 ccgactcctc ctcataaacc tgcacatgag gaacatcaat acctcaacct catccgcacc 240
 atcctcgcgcg aaggcgagca tctgtccgcg cgcacagggg caggcaccgc ctcgatcttc 300
 gcaccaccgc agctacgatt ctgcgtctcc aagcctgggtg caacaccctc ctgggaccgc 360
 atccccatcc tccccctcct caccaccaa cgcgttttcc tgcgtgccgt catcgccgag 420
 ctctctgtgt tcatctccgg atgcacctcc tccatcccc tctcggaagc aggcatacaa 480
 atctgggacg gtaacggcag ccgcgagttc ctggacaaag ttgggctcgg gcaccgcgag 540
 gtcggcgatc taggcctgt gtatgggttc cagtggcggc atttcggggc cgagtacatc 600
 gacgccaaag cggattacac aggccagggc gtcgaccagc tcgcgagggt tgtgcgcaag 660
 ctgaaagaaa cgccttttga ccgcccgcac atcatgagtg cgtggaaccc ggcggatctg 720
 aagaagatgg cgctcccgcc ctgtcatatg tttgcgcagt tctatgtctc atatccgaat 780
 gggctgggca acaaggggag cctatcgtgt ctgctgtatc aacgttcgtg cgatatgggg 840
 cttgggtgtg cattcaacat tgcgtcgtat gcgctgctga cgcataact ggcccatgcg 900
 acggatctga accccggcac tctgattcat accatgggtg atgcgcatgt gtatctggac 960
 catgtcgacg cgctgaacga gcagctcaag cgggagccta cagagtttcc ggaactgcgc 1020
 atcaagcgta atgatcgtgg gagggtgagtt gtggatggtt ggaaggagga ggagtttgaa 1080
 gtcgttggat accagcctca caaggctatc aaaatgaaca tgagcggttg a 1131

<210> 13246
 <211> 375
 <212> DNA
 <213> A.fumigatus

<400> 13246

acctggagct	acggaagcag	tgctgcgctg	aaatgggttg	gcgagatata	cggggtattg	60
ccattggagg	tctatcgggt	ggtgaggcaa	aggaggagtt	ttgtaaagtg	tatgtgttgg	120
cgtaaattgcg	tacgggctac	atgtgcttac	aattctaggg	tggatacgtg	cactggactc	180
cttccagagc	acaaaccccg	atacgtgatg	ggagtggtaa	gtactaggtg	gcccattcgg	240
ttggcagtct	cttttattga	cgctgctcag	ggttatccag	aagatctggt	tgtagcagtt	300
gcccttggag	eggacatggt	cgattgtgtg	tggccgacga	gaacagccgt	aaggacaacc	360
tccggaatcg	tttga					375

<210> 13247

<211> 453

<212> DNA

<213> A.fumigatus

<400> 13247

caattcaatc	caaagaccaa	acaagcatca	tgtcgcgggc	agccgtgttg	ccgcaagata	60
ccccagcca	aactggcaca	ccgactcctc	ctcataaccc	tgacatgag	gaacatcaat	120
acctcaacct	catccgcacc	atcctcgccg	aaggcgagca	tcgtcccgac	cgcacaggga	180
caggcacccg	ctcgatcttc	gcaccaccgc	agctacgatt	ctcgctctcc	aagcctgggtg	240
caacaccctc	ctcggaccgc	atccccatcc	tccccctcct	caccacaaaa	cgcgttttcc	300
tgcgtgccgt	catcgccgag	ctcctctggt	tcattctcgg	atgcacctcc	tccatcccc	360
tctcggaagc	aggcatcaaa	atctgggacg	gtaacggcag	ccgcgagttc	ctggacaaag	420
ttgggctcgg	gcaccgcgag	gtcggcgatc	tag			453

<210> 13248

<211> 198

<212> DNA

<213> A.fumigatus

<400> 13248

tttctcaaca	ggctcaccat	tcataatggt	cactatttgc	taaacttgat	gggatctgct	60
cgtcaagcca	ttttggaaga	tcgatatacca	gcattttctgc	gcgaattttt	cgacaatctg	120
tatggagata	aagcgaaatt	ccctgagtgg	gctgtcactg	cgctgcgtgg	tgttggtggt	180
gatctgctgg	cagactag					198

<210> 13249

<211> 189

<212> DNA

<213> A.fumigatus

<400> 13249

gcactattgg	tagattataa	gaaaagcgtg	ctcaatgcgc	agcagcaagt	agaagaaagc	60
ccggattatg	gaagaaaaac	aaatgcaatc	aaaaagacca	aggttgaggc	aagtcctgct	120
gatgatgatg	ataactccat	tcttaaagcc	gcgatcatta	ttaagccggg	cctaagtttc	180
gggcactga						189

<210> 13250

<211> 348

<212> DNA

<213> A.fumigatus

<400> 13250

cacagaccgc	atggaaatat	gctgggcaac	tccggcctga	agatctccaa	gatcatccta	60
ggagccatgt	cctatggctc	caaaaagtgg	caggattggg	tcctcgacga	agacgaagcc	120
cttcctctga	ttgagcatgc	ctacaaacgc	ggcatcaata	catgggacac	ggtgagtggg	180
cgctcatggg	cacaaataac	gcgagcgcaa	ccagaccctc	tgacaacggg	taattgcatt	240
gaaggccgac	acataatccc	atggcctctc	ggaagagatc	ctcggcaagg	ttctgaaaaa	300

ataccccatc cccccgaaca cagaatcgtc atcctaacca aatgctaa

348

<210> 13251

<211> 516

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (87)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13251

catttgcaga	tggccgcttg	ggaattccaa	accctccaga	atatcgccgc	ccgcaacggc	60
tggcaccagt	tcatctccat	gcagaantac	cacaacctct	tcgcccgcga	ggaagaacgc	120
gagatgatcc	cgtactgect	cgactccggc	gtcggctctga	tcccctggtc	gccgatggca	180
cgcggtgtcc	tggcccgacc	ttggggctcc	cgctcctccg	tccgtgagaa	caccgacgcg	240
acgctacagc	tgctggctcg	cagccgtgag	accgaagctg	acaaggcgat	cgtcgagcgg	300
gtcgaaggaga	tcgcgaagaa	gaagaatata	tccatggcgc	aggtcgccat	tgcttgggtg	360
ttaagtcata	ccaaggaaaa	cccgaattctg	ggtctgtcga	gcaaggagcg	aatcgacgag	420
gcggttgccg	ctatcaaggt	gcagctgacg	ccggaggaga	tcaagtacct	cgagggaacct	480
tatcgcccca	aggcgcttac	agcactggag	cggtga			516

<210> 13252

<211> 639

<212> DNA

<213> A.fumigatus

<400> 13252

tcggtttgcg	gcggttgctg	tgagctgccc	gtctgtccgt	tctccggttt	cgcccttccc	60
gctgttttcc	tttttttttc	acttttcatt	cttccccatc	gatcgctttc	catcgatat	120
tccccactc	ccaatcgcta	cttcgcaaac	agcacgccat	tcctcaaagt	actccattgt	180
atatttgagt	ccttcaggat	gaacataatg	aggctgttac	cgcgctccaa	agctttgtct	240
tcaccgacgg	cagtagcacc	agcgtttcgt	ggtcgtgggg	caggcgtgta	ttctccatca	300
tcacagaccg	tatatatgtg	tccaacctct	gcggtcagct	taatgcattg	ctcgccctgt	360
tccacatctg	cgccgcttgc	atcgagtcag	aagtcggttg	cccagacgag	tgctaataat	420
gactcacttt	cagacaaatt	ctctgccgcg	ctggccaaga	acaagggaatg	ggctgccaaa	480
tgctctcaag	atcacccgga	gctgcttccc	acacttgctg	tcggtcaaca	cccggaaatc	540
ctgtggatcg	gctgctccga	ctcccgtttg	cccgagaaca	ccatccttag	gccttctgcc	600
tggcgatgtc	ttcaccacc	gggattattg	ccaacttga			639

<210> 13253

<211> 351

<212> DNA

<213> A.fumigatus

<400> 13253

tatgtgggtca	caccaagtgc	ggaaggcgta	gccgctgccc	tgggcaacaa	aggcctgggc	60
atcctcgacc	cctggctgat	cccccttcgt	cagctccgtg	agcagcacct	cgctgagctg	120
caatctctgt	cccgggacga	ggcgtcgtg	aggctggccg	agttgaacgt	caaggagggc	180
ctgaaggcat	tgacgcagaa	gagcgtcgtg	ctggaggcga	tgcaggagcg	aggccttcag	240
gtgcacgggc	tcactatga	cgctcgatct	ggctttcttc	ggcagctcga	cgccgctgaa	300
cccgagggaag	cgctcaaggc	acggttgaca	tcgttcaaga	ccgatgctta	g	351

<210> 13254

<211> 606

<212> DNA
 <213> A.fumigatus

<220>

<221> unsure

<222> (217), (466)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13254

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ttcctaacga	aaccaaacga	tggcaaaatg	gcctcctatc	tccggcctgc	aaccgaaaac	120
cacggcgact	ggggtgaacc	gcgtgggatc	ccccgcaagc	acattttcga	tgcggtcgat	180
gcctccgtca	agcggctggg	cacgtacatc	gatgtgntgc	agatccaccg	tttggatcgg	240
gagaccccc	gcgaggaaat	catgaaggct	ctcaacgatg	tggttgagag	cgggaagggt	300
cgatacatcg	gcgccagcac	ggtcggtttc	tttccccgtc	tcctttccga	acttgtccga	360
aatgaaccct	attcggtaac	atttgcagat	ggccgcttgg	gaattccaaa	ccctccagaa	420
tatcgccgcc	cgcaacggct	ggcaccagtt	catctccatg	cagaantacc	acaacctctt	480
cgcccgcgag	gaagaacgag	agatgatccc	gtactgcctc	gactccggcg	tcggtctgat	540
cccttggtcg	ccgatggcac	gcggtgtcct	ggcccgacct	tggggctccc	gctcctccgt	600
ccgtga						606

<210> 13255

<211> 294

<212> DNA

<213> A.fumigatus

<400> 13255

attggcgtgg	tcggggat	gctcatcctg	tattgctctg	cgtatgtcaa	cctcgccagc	60
tttccaaccc	ccctggacag	tccccgacta	tattcctttc	cttccctggc	tgtagacaaa	120
atgaccatat	tcgacgagat	caagcacgtc	cagaggctag	ccgaggccga	agctgcagga	180
gatcccaatg	ctcacaatca	actgctggct	gcgattcgca	agcttcaatt	ggcagccgaa	240
aagccgattg	acacaacttc	tcgagtaa	tttcaagtaa	gtcctatggc	gtaa	294

<210> 13256

<211> 207

<212> DNA

<213> A.fumigatus

<400> 13256

ttggtaggtg	ccttacatgc	gtccctccgt	attgagagca	atactcacc	taatgcatca	60
gtccgtgtaa	tgcgcgtgct	gaccgcaatt	gggttcgcca	ttgagacggc	caaccagaca	120
tacgcggcga	atgacacgac	ccattttgag	atcctccctg	gatcaattgc	cgcagttaag	180
catcagtag	tatttccatg	ttcataa				207

<210> 13257

<211> 363

<212> DNA

<213> A.fumigatus

<400> 13257

gacgcattcc	ccgtaccaac	agatcaaaca	gaactgacaa	gtaaagggtg	ccgggcttat	60
ttcttcgggc	aagtgtgca	taactgggtc	gatgccaaaa	gcaagcagat	tctgtcgcat	120
atcgccgatg	ccatggagcc	gggatactcc	accctgctga	ttgacgacta	tgtgttgccg	180
gataccgggg	ccgagctgag	agcagctgag	atggatatcc	tcattgtggt	gcacacggcc	240
ggtctcgagc	gaactgtctc	gcagtggagg	gctttattcg	atgcggtagg	tctcgagctg	300
gtgcagatct	ggaataccga	caagggcgac	gagtcggtgc	tagaagttag	aaaaaggctg	360

tga

363

<210> 13258

<211> 840

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (661), (677)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13258

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cgtcccagg	tctctgcgc	aatgcctat	cgcgaaggc	aggtcaagtt	cactgcgggg	180
actattaagc	ggggaaagat	ctctggacca	gtcgaagtta	tctctacaac	gaacatgttg	240
gcctacaatg	cgcccgacct	tcactcggct	gtctcgtcat	cttcttcttc	actgcagtct	300
cccgaagcgt	cagagctgtc	tttctctcag	agaagctttg	gctctcccat	cacaactcca	360
gacgattcac	cgggtgagcc	gaaccatttg	tcgtcatatt	tcccgaagcg	atccgcaaca	420
gtgactagcc	atcctcggtc	gtcaacctcg	accacctcgt	cgacagatgc	acccttggtt	480
cccaaacgtg	ctctatcgca	tacgaaacgg	tcccaccaag	agttggctcg	ccagcgttcc	540
ttgtcacggt	tgcccccgcc	accattgaac	tccatgcgca	gcagcccctc	catccgaacg	600
aaccaagatt	ttttcaaadc	ggagcccat	ccgttcggaa	aggaattgga	gcaggtcaac	660
naaatggcaa	aagagtncaa	tagtggcgct	aatcgcgctg	ttgacgagga	ggagatgatc	720
ttgctcaaca	aaggattgag	gaaatttaca	gcgaacgact	atcttgtcga	gatagaggaa	780
ctctatggga	gcattcttca	cgatcatctc	gggccggtag	ccactgggtc	ttggctttga	840

<210> 13259

<211> 201

<212> DNA

<213> A.fumigatus

<400> 13259

cagcttctcc	cctatcaact	ccaaataata	ataaaagcac	aaactcaaac	acaagcaaaa	60
gagcaacaac	cagaaatgga	gaggatcgat	tgtgtgcaac	atgagcccg	agatcgtgtc	120
tgggtaggct	acggctccgg	ccctgggggtg	aagggtgtttg	ggaaccctc	taagggtgat	180
gtctatgtcc	tggatagctg	a				201

<210> 13260

<211> 399

<212> DNA

<213> A.fumigatus

<400> 13260

gtgggtggcct	tgtacaggaa	cggttctctc	tcagtcaggt	cacgctcacg	cttctttgtc	60
gggtgttcaa	gcatcattgc	aggctctcta	aaactcatga	agatggccgg	ggataagacg	120
gtcgaagtc	ctccttcgcc	acggatagg	attgaagact	ccctagagtg	tcttcctagt	180
atcatggatg	cgtctatcac	gcatggggag	ctgactcagg	agctatgcct	tattctctac	240
ctcacatact	ccactggcgg	tggcagttta	tattgtttga	cgctcacttc	ggtagcacca	300
tttcccaaca	ttgcttccat	tgggtggggca	acaactcaga	tcttttgtca	ggggctagca	360
gcgccctgtg	ctgaagttag	agcctcccaa	gggccttga			399

<210> 13261

<211> 195

<212> DNA

<213> A.fumigatus

<400> 13261

gtcgtccgtc	tgcgggtgtct	ccttcataatc	ccaaacgcag	taaattcttt	taagcctatc	60
taccctcaaa	tcggactcgt	tcataatcatc	aatcaaacac	ttctgtcaag	gctcagtata	120
gcgtcagcgc	ctactaactc	aaccagcgcga	agctattcca	atcacgcaac	tgacatcatg	180
tttgagggtcc	tataa					195

<210> 13262

<211> 630

<212> DNA

<213> A.fumigatus

<400> 13262

cttttcataa	tggcaggcat	cacatcaacc	gacggtcttc	caccattagc	ggtggtaggc	60
ttctccttta	aattccccga	ggatgcaact	tcatacagact	ccttctggca	gatgttgctc	120
gatggcagat	gtgtgtcgtc	cgagtttcca	gccgaccggt	tgaacatcga	tgcccactac	180
tatcccgatc	gcaaccgtct	cgacagcatc	tcgatgcgcg	gaggacactt	tctcaaggat	240
aatatagcaa	catttgacgc	gccattcttc	gcaatgagtg	ctgcggaagc	ggaggcaatg	300
gatccccagc	aacgtatggt	cctagagact	gtgtaccgag	ccctggaaaa	cgcagggtctt	360
ccaatggaga	aagttgccgg	ctccaagacg	agtgtgatcg	caggctcatt	cagcgatgac	420
tactttttgc	tgcagactaa	ggatccgcta	gatatgccta	aatacacggc	cgtgggcacg	480
tcgcggaata	tgcttgctaa	tcgagtcagc	tggttctttg	atcttctagg	gccgagcgct	540
gcggttgata	ctgcatgttc	aagcagcttg	atcgcccttg	atatgacatg	ccaatcaatc	600
tggagtagag	atgctgatat	ggtatgttga				630

<210> 13263

<211> 507

<212> DNA

<213> A.fumigatus

<400> 13263

cagaaggaca	aatccttggt	gcttttcttg	ctaaagtttt	ggcagggtct	ggcaattgga	60
agcaatgtga	tactaaccac	agaattgacc	atgagcttgg	acaatctggg	actgctatct	120
ccggatagcc	acagctacag	ctttgatagc	cgtgcaaatg	gatatgcaag	aggcgagggg	180
attggtgtca	tagtgatcaa	gcgattcgat	aatgctatac	gtgacggaga	cactatcagg	240
gccgttataa	ggtcatcctc	ttctaatacag	gatggaaaga	caccgggcac	cactcagcct	300
agcaaagagg	cgcagggtccg	cctgatcaga	gatacgtaca	aaaaggctgg	tctggatatg	360
tcactgactc	gatatttcga	agcgacggc	actggtatct	actcaatgag	actccaggaa	420
gttccctctc	agttaaccag	acttagggac	cccaattgga	gacccaatcg	aaataagagc	480
gatagggacg	gcttttcgcc	ggtatag				507

<210> 13264

<211> 288

<212> DNA

<213> A.fumigatus

<400> 13264

gtctcccag	cagccattat	acgtgtaagt	ccgcctggt	cactccgagc	gagaactacc	60
ctaagacact	gtagtggatc	cgtcaaactc	aacatagggc	atctcgaagg	agccagtggg	120
gttgacggtg	tcataaaaagt	aattctagca	ttagagaaag	gcatacatcc	accgaattcg	180
cgaaacttgc	agttcctcaa	tcctcaaact	gatgaagagt	tcctcaattt	aaaggtttgg	240
aagagtatcc	agcttgagtc	gaccgtccta	actgctttcg	cgcaatag		288

<210> 13265

<211> 573

<212> DNA
<213> A.fumigatus

<400> 13265

gttctgcaaa	aggctattcc	atggcccgag	aatgacctac	gaagagcgctc	tgtgagctcg	60
tttggcttcg	gtgggtcgaa	ttgccatggt	gttttggacg	atgcgtacaa	ttcgcttcga	120
cttatgggga	tccaaggtag	ccgtcatcag	acagtggctg	tacctccatc	gcttgaagtc	180
actgctctag	tggctcacgg	gaagtgtggt	tataccacga	atgccggaag	cgatcaacca	240
aacgacgac	atccgaatgg	attgcatgac	gaggaggaaa	cccatcagct	ccttgtgtgg	300
tcaaccgcag	acgaagaagg	aattgagcga	cttgtagaaa	cctggaagcc	gtttctatca	360
gacaagcggg	agttctccag	aagtcagcga	cgtaaatatc	tgctcgacct	ggcatatacc	420
ctcggtcagc	gccgcagtc	cctccaatgg	cggagctatg	ctattgggga	tgctttggag	480
gatctcggaa	gcctagcaga	ccgctttacg	cctgcaatca	gatctaccga	cgagtctcac	540
atagcgttct	tgtttactgg	agtaagacta	taa			573

<210> 13266
<211> 1323
<212> DNA
<213> A.fumigatus

<400> 13266

tacaatcttt	ccaacagcta	ctggctcaaa	tacttggtcg	tactcccaa	ccaattaact	60
gccgcggcgc	tcgtgatata	atattggctc	gatacaagg	atgtaaacc	tgggatttgg	120
attacggtat	ttctttagt	cattggctct	gtcaactatt	gggcgctcg	attcattgga	180
ccatacgagt	tcgcactttc	aactttcaaa	atcctggtct	tgtttgcgct	tacggtgctc	240
tcggtggtca	ttgcactcgg	gggcgggcca	gatcatgata	gaaggggttt	cagatactgg	300
agagaccggg	gcgcctttgc	ttcctatggc	aatcatgaac	tggtgggaaa	gtacgagcc	360
gttagcaaga	ctatgccctc	cactatattt	gcgtacttgg	gtagttagct	ccttgggatg	420
gccatgctgc	aaaccaggaa	tacaccaaa	gctgcagcgc	gcgccatcaa	gcttacattc	480
tatcgaatct	tcattttcaa	cattgtcagc	gtaacgctgc	tcggcatgct	cattccatac	540
gactcccaag	acttggcatt	tgccaacaac	gcctccaagc	cgacgacagt	ctctgttttt	600
gttggtgcaa	tcaaaatggc	ccatttaccg	acccttccaa	acattctcaa	tgctgttttt	660
ctgctatctc	tcctatcagc	tgctaacca	gcccttcata	tggcgacca	gatcatccat	720
gggctatctc	aggaacaaaa	agccccttc	ttcttatcaa	gaactgaccg	taagggtgtt	780
cctgtctatt	cgttgggcac	atgcgcaatt	ctagcatcat	tgccatatct	gaacattcac	840
aacgactcca	aggttctttt	cgggtacttt	gtcaacataa	tcaccatgtt	cagccttctc	900
acttggatct	caatcctgat	cacacatatt	tcatttgtgc	gcgcgcgcaa	ggcccaaaaa	960
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<210> 13267
<211> 381
<212> DNA
<213> A.fumigatus

<400> 13267

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attcgcgcg	acaacacccc	ggaatacgcg	aagtatctgg	gctacctgga	tgccaaggag	180
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accgcgaagg	gtatctacac	agaccgtacc	atttcgaggg	cccaacaacg	ggaattccca	300

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<210> 13268

<211> 186

<212> DNA

<213> A.fumigatus

<400> 13268

cccgtcaagc ctgccgcat tctgatctct tacacagctg tgggtatagt tgtctatttg 60
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catgccggtt cgttctgtga ccctgccgtt ggctttacac tgggctggag gcacggattt 180
ccctga 186

<210> 13269

<211> 243

<212> DNA

<213> A.fumigatus

<400> 13269

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gcgccgatgc ggccgggaaat gtacacatgt gagcgctcata tggctgaact gaacctcctg 180
tcgtcttctc agccgctaca catgttcgcc gcaattccta ccctgcaaca gcattgctgt 240
tga 243

<210> 13270

<211> 1197

<212> DNA

<213> A.fumigatus

<400> 13270

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cggagtttga cacagatcaa gccagggtgat tcacacttcc agaaaacatt cctccttgcy 180
attgtgacag cacaacttat ggtcatgaat tggacttccg aatctttcgc gtccgcttca 240
acctatgctc cctcttcctc tgaggacaac tcgatgatga tagagacaag tcacgggttac 300
gcgacagagg ccttcgagca tgcgaatcat cccaacaatt cacagccacc tactggtctt 360
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<210> 13271

<211> 960

<212> DNA

<213> *A.fumigatus*

<400> 13271

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gtctcctcac	aaccgcaggc	ccagcgacct	cctcgaacat	cgtctcatgc	tccgcccggc	180
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ctcagacgaa	tgacagacgt	gttcaagcgg	tatgacgagg	atcgggacgg	gtatatcaca	900
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<210> 13272

<211> 879

<212> DNA

<213> *A.fumigatus*

<400> 13272

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atcaaactgc	tcaatctcgg	tgtggactct	cttgttattg	gctgtcgcaa	cctggagcga	180
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tcgaaactcc	tgatggaata	tgtcctcaag	acggtgccgc	aacacgctcg	tgaggagaat	660
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cgcacggcgg	aacaggggag	tccgtccctg	gtcagtgcga	cgtatcaagg	agtcgagtca	840
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<210> 13273

<211> 642

<212> DNA

<213> *A.fumigatus*

<400> 13273

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cgctaccgcg	aaaccgaatt	ggtgagcaag	gaccgcaatt	ggggctccgc	tattggctac	180
tatgacttgg	ctatagccat	ctaccctgct	tcaggcgcat	cgcacaacca	gttggcagtg	240
atagcccttg	ctgacggcaa	tcacttgccg	gccacttacc	atctttaccg	ggcccttgct	300
gcccaggagc	ctcatccctc	tgccaagggt	aacttggaag	tcgaattcag	aaagggtcgc	360
catgcttggt	gtaaaagaga	gttgattcgt	cccaggatg	caggatttcc	tgggcgagcg	420
ttggccccct	ggtttgttta	tcttcacgct	caatgctaca	aaggaaatga	ttttccagag	480

catgatgagc	ttgagagtga	agtactgaac	cagctagccg	ttgatctgaa	ggagcgctca	540
cttgaaggta	cacttcaaaa	gttctgcctc	attaacatcg	cagcagagga	cttctcgtgg	600
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<210> 13274

<211> 702

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (366), (663)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13274

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gaggataaga	agacctttat	ctacaaagag	gagggccttc	cttcccaatt	cttcgccagc	180
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gagtcngaca	cttacgaaaa	cactcctgca	ctttcggaac	agctggcctt	ccttcgaagc	420
aacaatcagc	aatctatacc	caacgatttc	ttcgagtcga	gcctcaatac	tactcatcgc	480
gaagcaaata	cccctactcg	ctatcctcct	attgcacctc	ctggcctgca	attctcgatg	540
ccaaaccccc	agctgggtcc	gcaacttcac	cctccagtc	taaacttctt	gacctaccct	600
tctggttttt	cccgtttttg	gacccccgaa	tgggtcaatga	aatcggtgga	tctcggctcc	660
ccnaaacccct	tccagggttt	ggacacttca	agttccgcca	ac		702

<210> 13275

<211> 390

<212> DNA

<213> A.fumigatus

<400> 13275

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ttgcaagaca	ccaatgaacc	tgctgtggaa	gcgatgcatt	gttcgctacc	gccgcatagg	180
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aaccgatgtt	cagagtgtgg	gaagaatttc	cctacagatc	gattcctgaa	tttgcacatc	300
gaggagaatc	atgaccact	agttgctacg	aagagagaca	agggagagaa	aactgttcgt	360
cagccctggg	accattgttt	tcgaaattaa				390

<210> 13276

<211> 543

<212> DNA

<213> A.fumigatus

<400> 13276

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atctactctc	ggccccctcag	cagggatata	gttagggagc	tctcgggtact	tgatcgcgctc	180
acgaacaagg	ctgcggaaac	atgggctaaa	tgggaggaag	ctgataaagg	gtggaagaaa	240
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gtcgacgttc	tgttcccccg	gaacgcaatc	aaggcagaga	aaattcgctc	aatcctccgg	420
aaaatagcga	cagagagaca	ggacttgcac	cgcaagaaaa	tgtggtggag	tttggttgca	480

gcgccattga cagccccaat tgcgttgatt ccagtgtatt ctttgtgcct gacagagtac 540
tga 543

<210> 13277

<211> 210

<212> DNA

<213> A.fumigatus

<400> 13277

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tcttgggggtc gcgaatatat gcatggcgctc aaccacgtaa atgaagtcgc tgcctataat 180
gtgccgggtgg gatggaagtc gtccaccact 210

<210> 13278

<211> 228

<212> DNA

<213> A.fumigatus

<400> 13278

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agcgtctctga acaagtacag caaagcacta gataaggctc tgtctccgag tcattttctac 180
atatttgggtg ctctcgaaac tgacactgtg gcagctcttc aaagataa 228

<210> 13279

<211> 219

<212> DNA

<213> A.fumigatus

<400> 13279

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aaggaacagt ctacagacga gaatcccccg atgatgatgc cttgtgggtca tgttattgca 120
gaagagtctg tgaaacgact ttgcaagggc acaagattca aatgtcctta ttgtcccaat 180
gagagccatc cgcgagaggc aaggaaggtc ttcttatga 219

<210> 13280

<211> 762

<212> DNA

<213> A.fumigatus

<400> 13280

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gcaaccttcc tttccgaaat agccgaaaag aaagcttcga cgcgagagaa cgatatggat 240
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ctccaagagt ccccttatcg gaatattttc gacaatccgt cggcatgggtc tgatgtggcg 660
caatctttca ctggggaggt ctgctcactg ctgggtttgt ctgcggttc gccctatac 720
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<210> 13281
 <211> 261
 <212> DNA
 <213> A.fumigatus

<400> 13281
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 ggacgaactg tgggcgcgta a 261

<210> 13282
 <211> 291
 <212> DNA
 <213> A.fumigatus

<400> 13282
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 agatccatgg tggtagcat tgctaatatg gctatcccca ggcttagcac ccctccagag 240
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<210> 13283
 <211> 312
 <212> DNA
 <213> A.fumigatus

<400> 13283
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 aaagatgaaa aggagctggt cgctgcgag ggcgacaagg cattagcggc aggcaatggc 180
 gaaacgctca catacgatga gctcaaggct cttattgact ttgcttctcg gaaattctca 240
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 atgcgctgct ga 312

<210> 13284
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 13284
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 caagtccgcc tcaaggccgc agcagaattt gccgaatctg gtgatattca tgatacagtt 120
 cgtgatctct gggagaggcc agaagacgct aagaaggaac tcatcgttaa ggtggatact 180
 ctcccttctt ctgtcggctc tcaactgatt attctaggaa attga 225

<210> 13285
 <211> 714
 <212> DNA
 <213> A.fumigatus

<400> 13285
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 ccacaacctg aggctagagc aactcctcgt cgggtggacc tgattggggc catgaaatcg 120

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aggcgtgaca gcatcagtc ggcagtgtat ctgcccctga atcatgaaat ggccaacgcg 180
tttgacacca ctcttcaate gctgcgtaat ctggcctcga ccgcgctctt tgctcttcac 240
attgacatcc gatgcggcgt cattcacatg ttgacccgta caatgactgg cccaatccc 300
ccgagcaacc gcgattcgga acccacaaca ccatcaccga actogaactt gaattggtgg 360
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ctgatcgcc tcgatacgaa catttcgtca tatctcggtc ccgctgaaca ctggttcac 480
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gccatgaatg agaacggagc cttgcggctg caacttgacg tctcgtttt acagcagaac 600
ctcaagaata ttattattga cccgacagca gataaagccc aggattccac actagaggaa 660
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<210> 13286

<211> 204

<212> DNA

<213> *A.fumigatus*

<400> 13286

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ttctttcagg ctagtgcacg gtttttccgt caagcctacg actacagtct tcccaccatt 180
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<210> 13287

<211> 306

<212> DNA

<213> *A.fumigatus*

<400> 13287

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cagaagagca cccggggtaa ttccggcggt gcaaaactga gggaccgaaa cacaattgtc 180
aggatcccca accccaagaa tgaaaacgag gaatattctt tccagttcaa tgctgtttat 240
gatgcagatg cctcacaaca ggagctctat gacgccgagg gttcgttacg cgcttctctg 300
atttga 306

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<210> 13288

<211> 477

<212> DNA

<213> *A.fumigatus*

<400> 13288

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gaaaaaccgt gcaactagcct gaaagaattt gagagcctgt acgaccatgc aaatatcaac 420
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<210> 13289

<211> 300

<212> DNA

<213> *A.fumigatus*

<400> 13289

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ggtg	acaagg	ttcgc	gttag	cactg	catct	gctat	cgacc	ttgct	gggtc	agagg	ataac	120
cgac	ggacgg	acaat	gacaa	ggaac	gcgatg	gttga	atcgg	ccagc	attaa	caaa	agtctt	180
ttcg	ttctcg	cgcaat	gcgt	agaag	cgatc	agcaaaa	aac	accaac	gaat	tccat	atcgt	240
gagtc	gaaaa	tgacg	agaat	attat	ccttg	ggccag	aaca	atggc	ttgac	cgtc	atgatc	300

<210> 13290

<211> 369

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222>

(32), (35), (36), (42), (45), (46), (49), (50), (52), (53), (55), (56), (57), (59), (60), (61), (62), (63)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13290

gggg	tcaggg	cctcg	aaaat	cccag	gccgg	cngan	ntttt	antgn	ncgnn	cnn	cnngnn	60
nnng	cccccc	gtaga	ctaag	gctta	gtctt	actaa	gcgc	tacgt	cgaag	gggtc	gggtta	120
gtcgg	gatta	ttggc	gctac	ggaat	atgtg	gttaa	tactc	cgaaa	actgct	ctata	gatcg	180
acgcc	acagg	attgt	gacta	ctcgc	catatg	acctc	atgt	cagtt	cgatc	tttca	atttg	240
aatga	ggggac	tcagg	attcc	tgtgt	ctatc	aattta	aatcc	agctg	ctcta	tgtgc	atttt	300
agccg	cccat	ggaat	tgcaa	tccat	ttttc	catat	ccctc	cagcc	cgtgt	ccaag	atatac	360
caga	attga											369

<210> 13291

<211> 207

<212> DNA

<213> A.fumigatus

<400> 13291

agaaa	aat	cagt	atttga	tagga	tcata	ctcta	ttatc	caactt	actgt	gggaa	60	
gtttt	caact	acact	ctcca	aaagg	tagaa	tccaa	agcat	tcattg	gctt	tggtg	gaaat	120
caattt	tttg	aagata	ccaa	ggata	cggac	cagtt	gctgg	ttttc	caaga	tgaac	tgaga	180
accac	gaggg	ataat	agaag	aaag	tag							207

<210> 13292

<211> 231

<212> DNA

<213> A.fumigatus

<400> 13292

ctgt	accaga	acctt	tcgag	caggc	tattg	tgcta	cggtc	aatcc	atgga	tgagg	accta	60
cgg	tgccat	gcata	ggatga	gcacg	atatg	acggc	taagc	aaacag	ctgt	gtttg	atctc	120
aagg	cgtcat	ggtgt	cgagg	cgccac	caact	tggtc	ggcca	atattc	gaac	cattg	gcagc	180
gtcga	ctccg	tacat	gataa	ccacg	agcat	ctttc	cgagg	tgata	cgttg	a		231

<210> 13293

<211> 648

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (262), (268)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13293

tcctatcaaa	tactgatgtt	tttctctatc	acggcagtaa	agaagtactt	cgattctatc	60
atgcaggtca	tctcaccg	ccttcaaaac	tccaaaaccg	agcatctcat	tctcagattt	120
gtccgattct	atcacttcat	ctccgctcat	gacgacaagg	gatatagtgc	ggactacttt	180
atccaagtta	cagataaagt	ccaagcagag	tatgtcgaga	tgaatttttg	tattgccgat	240
cttaaacata	tactgacgga	cnacagcntt	ttcaccacca	tctatctcaa	catcattctc	300
cctgaaacac	agaaactcgc	acgtccattg	gatcgcaaga	cagccgtgct	gtctttcaca	360
aagacccttg	cgaactcaga	agcgtttgca	aacagatata	agaagggatg	ggccttcaca	420
tgtgaggett	tactgaagtt	gttgagctt	ccccctcttc	ccgccagcaa	ggatgacatc	480
attgccgaac	atgacgttga	ggatatggct	ttcggagtg	gtttcacagc	actgaacacc	540
gtgcggccac	aaccagggga	cccattggcc	gacacggg	ctgatctcaa	ggcttgggtt	600
ggctgttttg	ttttaccg	cggggactgg	aaagagtata	accccc		648

<210> 13294

<211> 426

<212> DNA

<213> *A.fumigatus*

<400> 13294

ttactgagag	gatgtatgct	gaccttaaga	attagtggct	ccgagctagt	ctcggatcat	60
gctagccgga	acctgcactt	gttactcgcc	aagcgctccg	agttcgacca	aggcgactat	120
gaagcagcta	taagaggggc	attgatcgat	gaagatgctg	ttttgctgga	gaccttcaac	180
aatctaacca	cagaacctgc	cgtttccggt	tccactgtcg	cgctgtgctt	cgtaaatctc	240
accaagggcg	atctcgttgt	agccaatctc	ggagactcac	acgtcatcct	ggccgagcgc	300
gataaccgaa	ccgaccaccc	atcccacatc	gtaagtggag	agggtttgct	gattcccaag	360
ggattttggc	tgattgatgc	cttagcgacg	gctttcaaaa	tcccacaaac	cggatacacc	420
cgatga						426

<210> 13295

<211> 420

<212> DNA

<213> *A.fumigatus*

<400> 13295

catttgccat	ctcgactcct	cctaggcagc	ctgaacatgt	cacgagcgct	gggggatctt	60
cagtataaga	acccaatcaa	caatgccggt	gacgaatatt	catcctcaaa	gaaccgacgg	120
gcgtctgcta	gtacttcagc	accagagacc	cgaggtaact	ttctgtctgt	ggaacctcac	180
atgaccggga	tgacgctttc	gccagatcga	cgttatctcg	tggtgggtcac	atccgacggc	240
gttagtgata	acattgacga	tgcaacattg	atccatcatg	taatgaggtt	atccatgcgg	300
gggatgagag	ctggcgacat	agctcaggaa	attgcgacta	ctgctgctgc	tcaaaaggca	360
aaggagggaa	gcgataacgc	gtcctgtatt	gtggctctat	tggacggtca	aaacacctag	420

<210> 13296

<211> 507

<212> DNA

<213> *A.fumigatus*

<400> 13296

gtatgggaat	cacttttcgc	tcattttctcg	gtttggagtt	ctgacacacc	cagattcgct	60
gcaccggcca	atcctgagaa	gctcgaacaa	gcgtcttacc	cacctttcgc	gaatatcctt	120
caaggcgacg	ttcaaggtat	tgtgcaatca	gaaaggaaca	gggggttagg	gacaagtttg	180
agtgtctaag	tttgtgcaga	attcatgcca	tacgtcttcc	agctctttgc	ggctcttttg	240
gaagccaacc	cttcgggatc	ccttcccaac	tactaccaga	acctgatcgc	tcccatgctt	300

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atgcctgtta tgtgggagtc gaaaggcaac attcctgccc ttgtccgtct actttcttct 360
attatccctc gtggttctca gttcatcttg gaaaaccagc aactgggccg tatccttggg 420
atcttccaaa aattgatttc caccaaagcc aatgaatgct ttggattcta ccttttggag 480
agtgtagttg aaaacttccc acagtaa 507

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<210> 13297
 <211> 201
 <212> DNA
 <213> A.fumigatus

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<400> 13297
tgcaggagca ggccaagtga gaagcccctt ctactctcta aatcaatcag caacacagct 60
gttattcttc gactaatccg actccaggtc caaggggggc gaccttttca ggaggatcgt 120
tgcacattcg tcttgcccga tcagtttcct tcccagacaa acgataagct cacctatttc 180
gcggctctacg acgggacgta a 201

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<210> 13298
 <211> 1308
 <212> DNA
 <213> A.fumigatus

 <220>
 <221> unsure
 <222>
 (13), (14), (15), (16), (17), (19), (20), (21), (23), (24), (26), (27), (30), (31), (34), (40)
 , (41), (44)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 13298
tctacggggg gcnnnnnnenn ngnnngnncgn ncantaaan ntngccggc ctgggatttt 60
cgaggccctg accccttatg tgcagaactc catggacgta ttcagctccc catgtcgggc 120
aatttgtgca gaagcttcgg gaaccttctg aacaacattg gccaaagaaac aaaatatgat 180
attctggtca gcaaagcgct tcaatttttg acttcagttg cgggtatgcc agaacatgcc 240
tcggctcttc aggccagaaga gacccttggc caaatcggtg agaaagtggc cctaccaaac 300
gtgagtctgc gtgaatcaga tgaggagctt ttcgaagatg agcctattga atttatccgg 360
cgggatcttg aaggatcgga tagcgaaaca agacggcggg ctgccacaga cttcttgaga 420
cggctggcag agcaattcga ggggccagtt actaaggctg ttctcagata cagcgaccac 480
tatctcgctg aatattcgaa gagccccgcc acgaattgga aggccaagga cactgcgggt 540
tatctgttct ctgcaattgc ggccaaggga gttgccacag caagtcacgg tgtcactgcc 600
acaaatcccc ttgtcagcat caccgacttc ttccaaaaga acctcgctgc ggacctgggt 660
gtcgatgaaa gtgcacaccc tatcctcaag gtggatgcaa tcaagtacct ttacctcttc 720
cgcagtatca tcacgaaaga ccagtggcaa gaagttcttc ctttgctggg taagcatctc 780
ggttctccga actttgttgt ctatacttat gcagctatcg ctgtcgaaag agtgccttac 840
cttgacagca gccaaaggta accgattatc gctcccgcga ctgtcactcc tctagcgaaa 900
gatcttttgc agcacatttt ttcatgtatc cagaaggacc ctgcccctga gaaggtgcag 960
gagaatgaat ttttgatgag atgtgctatg agagtctga ttgtcatcaa agaagcgtg 1020
gtcccatata cagacattgt tcttcaacat ctattaaca tcaactgatg catcagcaag 1080
aatccaagca acccccgtct ctattatttc cactttgaag ctatgggcgc atttattagg 1140
tatgggaatc acttttcgct catttctcgg tttggagttc tgacacaccc agattcgctg 1200
caccggccaa tcctgagaag ctcgaaacag cgctctaccc acctttcgcg aatataccttc 1260
aaggcgacgt tcaaggtatt gtgcaatcag aaagggaacag ggggttag 1308

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<210> 13299
 <211> 294
 <212> DNA
 <213> A.fumigatus

<400> 13299
 ggtgatttgc tggattactt cctgtactat attcattggc cttaaagtctg cttgaaggga 60
 agtattagga agcttacgag cagctttata ttttaataata taccctaaat agtatggtag 120
 gctcctttca ctgctgttgt gattacacaa cagttctggg ttggcgcgaa tggctctgtt 180
 aatgggctgt acctgtcccg cctcctgtac agaattcata tgattttcaa agattatccc 240
 tccactgagc agcaacctgc attatgcctg tatgtaatcc acctaaccta ttag 294

<210> 13300

<211> 435

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (423)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13300
 cgtggctggc gcttgttgaa gaatgaatac cttcaatacc tatgtcagat acaggccaat 60
 gagcctcata tgaacaggca atattccctt accatcagta gagtggaga gccaggcctt 120
 gtattttgta ttgagaccag cacatatatc cgtaagagtt tgtggtagt taaacatgct 180
 ggcaattcca ttattatcca ttattctaaa atgcttcacc attgctggcc gacaatagac 240
 cctcttctgt tctcgcatca agatcgacga tcgacagaaa cgcagtggc tgccaagatc 300
 gccatgaaga ttcaagctga gaaagccatc gtcttcaaga gcgtccatat ttgtacacat 360
 ccgtatccct ataagcggga tcgtgagtac ttctccaaga aaatcgactg gcgcagagag 420
 acnacgtaca agtga 435

<210> 13301

<211> 207

<212> DNA

<213> *A.fumigatus*

<400> 13301
 tcactccatt tctcatccg cctccaaaac tataagcgtt atatcgcggc tgtcgactca 60
 gctcccctcc tcaagttcga cggttcaatt gctttaggtc tcccaatgct ttcttttttt 120
 tctagctgcc tccaaccaa aagaaaggaa tggcggaat ggaatgaaat cgaagggttg 180
 cgtccctttt tcttctttgc gatctga 207

<210> 13302

<211> 456

<212> DNA

<213> *A.fumigatus*

<400> 13302
 actaatgcgg taatagagga agcgagtcgt ctggatcagt tcccgctctg ggatgcacca 60
 gacaatctcc ttctgatgca aacctttgaa tggcatatgc cagctgacca agctcactgg 120
 caccgtctac ggcataatctt accgagtcctc aaggagatcg gtgtcgacaa catatggata 180
 cctccaggat gcaaggggat ggatccttgt ggaaatggct acgatgtata tgatctgtac 240
 gactttggcg aatttgacca gaaaggatca cgagcgacga aatggggaac caaggaagag 300
 ctctggagc tcaccgcagc cgctcgggat ctcggtattg gcgttcattg ggatgctgtt 360
 ctcaaccata aagcaggcgc ggattttaca gaacgatttc tggctgtcca agtagaccgc 420
 gaaagtatgt atcccttcag cagagaggtt gggttaa 456

<210> 13303

<211> 633

<212> DNA
 <213> *A.fumigatus*

<400> 13303
 tataccgcgt taggacggaa tgttgagatc tcacgtccaa aagagatcga gggctgggtg 60
 gggttcgatt tcaagggccg tggcgactgc tatagctcga tgaaatatcg gtggtatcat 120
 ttcagtggcg tcgattggga cgaatcacag aagaagaatg cggctctaca gattgtaggg 180
 ccgaacaagg attgggctaa cgatgtcagt cacgagttcg gcaactacga ttatctgatg 240
 ttcgcaaadc tggattactc caatgcagaa gtcagaaggg atcttcttaa ctggggcgaa 300
 tggatcgga ctcaactgcc tctcagtggg atgagactag acgctgcgaa acacatgtcg 360
 gctgctttcc agagggactt tgtcgatcat gttcggaaga ctcagggacc tgatttcttt 420
 gtagtctcgg aatactggcg ttgtgatctc aaagaacttc tgcatttcct ggagataatg 480
 gaacaccgag ttcattctcta tgatgcggta ttggttgacc gattctcgaa aatctccctg 540
 acccccgaag cggacctgcg ggggaattctc gatggtacat tagttcagag caaacctcaa 600
 catgccattg tgagttttct acttgtgttc tga 633

<210> 13304
 <211> 492
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (491)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13304
 tcctactaca aaataaagga caaccctgta tcttctgggg tgatctttac gggatcaggg 60
 gaggcaagca tccaacaaag cgttcgtgcg gcggcaggct tccgattctc acaaaagccc 120
 ggaagctcta cgcatacggg gagcagcggg attatttcca cgagagaaac tgcacgggtg 180
 cgcgctgcct cacttttggc cctcgttttc accatactga caagacaaat aggatttatt 240
 cgttatggca accggcggga tccctcgggt ttagcttgta tcatgagcaa cgccggccca 300
 tcgcagaagc gcatgttcgt tggtcagcag catgcaggag agcaatggac ggatattctc 360
 gagtggcact ccggaacggg cagcattgac cgtcgaggat acggcatatt tcccgatatg 420
 aagtgtagtg tcagtgtgtg ggtgaatgcc caggcagaaa gaagagagag cctcaaagtc 480
 acttgtacgt ng 492

<210> 13305
 <211> 432
 <212> DNA
 <213> *A.fumigatus*

<400> 13305
 gtgccggctg catctttctt caagccatta gcatacgtc tgatcctact acaaaataaa 60
 ggacaaccct gtatcttctg gggatgatctt tacgggatca ggggaggcaa gcatccaaca 120
 aagcgttcgt gcggcggcag gcttccgatt ctcaaaaaag cccggaagct ctacgcatac 180
 ggagagcagc gggattatct cgacgagaga aactgcacg gtgcgcgctg cctcactttt 240
 ggccctcggt ttcaccatac tgacaagaca aataggattt attcgttatg gcaaccggcg 300
 gcatccctcg ggttttagct gtatcatgag caacgccggc ccatcgcaga agcgcagttt 360
 cgttggtcag cagcatgcag gagagcaatg gacggatatt ctcgagtggc actccggaac 420
 ggtcacgatt ga 432

<210> 13306
 <211> 255
 <212> DNA
 <213> *A.fumigatus*

<400> 13306

ctccgtggcg	caatggctag	gctggcggat	cagtcggtg	atcttaatct	gaaacttatg	60
aaatggagga	tcagcccga	tctcgatctt	gagaagatca	aacgcaccag	atgtctctta	120
cttggagctg	ggacgtagg	aagctatggt	gctcgaaatt	ttatggtagc	tcttcccatt	180
attctattga	acatacatc	accgtgctgc	tggtctatag	gcttggggag	ttacgaagat	240
aacatttggtg	gataa					255

<210> 13307

<211> 522

<212> DNA

<213> A.fumigatus

<400> 13307

gcttggggag	ttacgaagat	aacatttggtg	gataacggaa	acgtatcttt	ttcaaaccg	60
gtgaggcagt	cactttttta	ctttaaagac	tgcctagaag	gtggcgccag	aaaggcaact	120
cgagctgccc	aagccctatc	ggaaatctac	cctgggtgtg	agactaccgg	acacgttctt	180
tcggtgccaa	tggttgccca	tcttatcacg	gacacggaga	agacacgaaa	agagtccggt	240
attctcaagg	ctatagtaga	tgaccacgac	gttattttcc	ttctaattga	tacgagagaa	300
tcgcgtggcg	tcccagacgt	cattggtaag	gcggcaggta	agatcgtgat	aatgcagcg	360
cttggattgc	attcttttgt	ggtcatgcga	cacggcgtca	gaaacgatgc	agaccaaca	420
tcagagcttg	gctgctactt	ttgcaatgac	gtagttgcgc	cgatgaacgt	aagccaccat	480
tcccaagtgt	cgtgtcttta	tgcgactgac	ttctttaatt	aa		522

<210> 13308

<211> 540

<212> DNA

<213> A.fumigatus

<400> 13308

gccaccattc	ccaagtgtcg	tgtcttttatg	cgactgactt	ctttaattaa	gtctgtaaga	60
gatcagacac	ttgatcaaca	atgcaccgtc	actcgaccag	gtgtagcaac	aatagcgtca	120
gccttggcgg	ttgagctgct	catttcactc	ctacagcacc	ctcaagggtc	tcagccccg	180
gctgctttgc	caggcgatga	ccgcggttct	cacctcttg	gtctggtgcc	acaccaaatc	240
aggggatttc	tttcgtcctt	cgaaaacatt	tcggttatag	gaagaagcta	tgactgttgt	300
agtgcctgct	caataaatgt	cgtaaacgca	tacaatgagc	agggctggga	atttgtgatg	360
aaagctttga	acgagcccgg	atatgtggag	gagttgagtg	gtcttaggga	ggtcagtcgg	420
aacaagcctc	ttttaacctc	ccctgtgttc	ctcgtctttc	acttcccctg	tcgcgcgcaa	480
atcacccaac	cccaaccgga	aatatctggc	actggccata	aacaaggcaa	tttctcttga	540

<210> 13309

<211> 270

<212> DNA

<213> A.fumigatus

<400> 13309

gacctctgcc	gcgcgcggtt	gcaattcagc	tttgacacct	tacggactgg	agggcatttc	60
atttgcaaat	tctatcaagg	ggtagaggac	aaagaactag	agcggcagtt	caaagcactg	120
ttccatagag	tgacacggat	caagccagag	tcttcacgca	atgtacgtgc	cgggcatttc	180
gaatattgtt	ataagtcatc	acgcactgac	ttgcgcagga	atctagggaa	gcgtactttg	240
ttggcctcga	cagaaggaat	aacgcgttga				270

<210> 13310

<211> 276

<212> DNA

<213> A.fumigatus

<400> 13310
tattacatcg acaggattcc caccaaccag aatttatcgc agacaccatc aattgggggtc 60
tacctcacia agaaagggtcc cagcaccatg ttcttttcgt cctgcccac caagactata 120
atactcgaaa tcaataatac aacgtcctcc ctcatattca agagacattc atcctcgaag 180
agatggcaag cacgtcagat caaagaccac ttacaaaggg ctgcggcagt acaaggggtg 240
aagagccgtg cagcattcaa attattgcag gtatag 276

<210> 13311
<211> 465
<212> DNA
<213> A.fumigatus

<400> 13311
ctctgtcagg tggcagcgac tcgaactcaa ccaaacggtc gagttctggg cgtagacata 60
atcccagctc agcccccaaa aggcgtttct accatacagg gcaacttctt tgccccagat 120
attcaggcct acgttcggga gttcctccgc gatccctgta gaggcagact gcgttcccct 180
ggttcgtgtg acggagacga acacaatatt acgacctga gttcgaccgc gggcctggag 240
caaaatagag agtgcatagg acaaaatgat cctgtgtcgg agagaacggg agatgtggtt 300
ttaagcgata tgtgtgcccc ctgggtttcaa accaccggct tctggaagcg aagtctaagt 360
gacccttata ataggatgat gaacacaagc gggtgaatt ttcgagatca cgccggcagc 420
atgggtacttc aacaaatgtc acacttatcg tacatatattg actga 465

<210> 13312
<211> 492
<212> DNA
<213> A.fumigatus

<400> 13312
atacactcag gccttctctc ccacggcctc cgccctcgag gaaaaagccg cgcaggccct 60
ccaagccggc aaacacgagg aagcctcaaa cctcctctgc cgcgcgcggg ttgtctaccg 120
catctcccgc ttcccctacg tggacattac caagcccaac tccatcaagc ggggtggcctt 180
cgagcgccag aagcaggcgt acctgaaggc aaccagcctc tggacccagc ccatccgcga 240
ggtagccgtg cctcacacct accgcaccgg caacgacggc gccacatcc ccatttacat 300
ccgcacccca gccggcgcag accagtccaa ccccgctccc atcgtgctga tcatgacggg 360
cctagacggg taccggcccc acaacagcca gcgcacgcac gagatcctcg cgcgaggtg 420
ggcggctgtc gtcgcccaga tccccggcac ggcggaactgt cccgcggaac ctgcggaacc 480
ggcctcgctc ga 492

<210> 13313
<211> 993
<212> DNA
<213> A.fumigatus

<400> 13313
aggtcctgtg ggagtcgaga tgggaagttg ctgtatgtct ttcccctaga aactagaggc 60
cctctaatag tcgtcagtggt tcaaaatccg tctatccctt ccacgacggc tccatcgagg 120
actttgagcc catcttcaac catctcatat cggtagctc ttgatcttca cgacacgaca 180
gccagcctgc tgacccgaca gaaaaacatc aacgacggc cctcgatga atacactcag 240
gccttctctc ccacggcctc cgccctcgag gaaaaagccg cgcaggccct ccaagccggc 300
aaacacgagg aagcctcaaa cctcctctgc cgcgcgcggg ttgtctaccg catctcccgc 360
ttcccctacg tggacattac caagcccaac tccatcaagc ggggtggcctt cgagcgccag 420
aagcaggcgt acctgaaggc aaccagcctc tggaccagc ccatccgcga ggtgaccgtg 480
cctcacacct accgcaccgg caacgacggc gccacatcc ccatttacat ccgcacccca 540
gccggcgcag accagtccaa ccccgctccc atcgtgctga tcatgacggg cctagacggg 600
taccggcccc acaacagcca gcgcacgcac gagatcctcg cgcgaggtg ggcggctgtc 660

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gtcgccgaga tccccggcac ggccggactgt cccgcggacc ctgcgggacc ggccctcgct 720
gatagactgt gggatagcgt gctgagctac ctcgaccaac gcccgagct gaacaccgcc 780
aagatgggtgg tgtggggact gactgccccg ggggtactac ccatccgggc ggcgcatacg 840
caccgggacc ggctgctcgg cgctattgcg caccgtccgg gatgccacta ttatcttgac 900
ccggaatggt tggccaaggt caatgaccat gactatccgt ttgagtatgc ttccttggcc 960
cgggtacaaa agaagaacaa gctgaccgga tag 993

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<210> 13314
 <211> 621
 <212> DNA
 <213> A.fumigatus

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<400> 13314
ttaatcgga taccactac aagatctcga aattctgttt ttctctactg cctcgatca 60
gtcatcttgc tgagcagctt taccatgcgg acttcggtgc aaccaccag cgtcctgctg 120
gccctcatgg ccattccctt cgcgtctgct gagaaggctt ttggagctta tatcttcgct 180
cgccatggtg atcggacccc caagggtgctg ggaaacactc aactcaccga cctgggatac 240
aaggaagtat tcttactgag cagctactac catgaccgct acatcaactc cagctccttg 300
cactacattc aggggtataag cgaggagatt gtcaatctca accagatcag tgtttcggct 360
ccctcagaca atgtacttca gaattcggcc actggtttcc tgcagggtgt ctatccccc 420
gtcggaagaa tggccagtc aaccttgggg aatggcacga cagttgaggc gcccttgaat 480
ggctaaccagt tgatccctct ggcaactcat gagaccggtg ccaacagcga gagcaatacc 540
tggttgcagg atgcgaccca gtgcaaaaac gcccaaggta gcagcaacaa ctactacagt 600
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<210> 13315
 <211> 252
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (200)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 13315
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tttgctgcca ttaactcgca cccgtttcgg ataacgcca ccattccacc ggtctgcatg 180
gtctccgac caaccgctgn aaagcgggaa ttcattatcg gcaagacttc taaccaatg 240
aatcctgtct ga 252

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<210> 13316
 <211> 192
 <212> DNA
 <213> A.fumigatus

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<400> 13316
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gcatctaata gtactgattt ggctggcaag gtcaagacca ggctgatcgc taagcgtcct 120
agcgtgatca tctgtttcag cagcttgggt gaggcgagaa ctcgatttgt acaatgtcag 180
gtggtcccat aa 192

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<210> 13317
 <211> 204
 <212> DNA

<213> *A.fumigatus*

<400> 13317

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tatgtcattc	cgggcatggg	aaacctttct	ggcggtatgc	agggcgagct	ttttctgata	180
gtatcgttga	atcaatgcaa	gtaa				204

<210> 13318

<211> 1089

<212> DNA

<213> *A.fumigatus*

<400> 13318

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tcaatccatc	gaaggaaaga	gatctacgct	ctatgccagc	ggtacgacgt	tatcattgtc	120
gaagatgata	cgtattggaa	tttgagtagt	ccatctgctc	aaagattggc	ggctcggtac	180
cgtaacacac	ccattgacga	gtcacttacc	acgcaaaatg	gtaatgctca	tggaaattcg	240
tccgggtacc	catttctaga	ctctcttgta	ccatccttta	tgtctctaga	tacggatgga	300
cgagtcattc	gattggacac	attttccaag	accattgctc	ccgggtgccc	cctgggctgg	360
attactgcgc	agcctgccgt	catcgagagg	atcaccgcc	ttactgagac	ttcgacacaa	420
tttccatccg	gtttcgtcca	ggccatgggt	gcggggatga	tcctaggtca	acaggctgat	480
gaagatgtca	gaggcccca	aagcaaaggt	aaatcaggct	ggaagatgga	tggctgggtt	540
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tttcgattat	gttttgcccc	gatgcctgaa	aaggatgtgg	cggtgattac	caacagactg	960
gtggagggat	ttcgcgcatc	ctggcaaagg	aaggatctgg	atggcttgga	tgatactgag	1020
gaattattgc	agaagttcag	aaatctgcag	gtagaaggca	tgggccatat	gatgggaatt	1080
ggttggtga						1089

<210> 13319

<211> 1038

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (241)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13319

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cattttctcag	caacatcagc	gtcagcagcc	acagccaatt	caacactaaa	cttgggcagc	180
tccgaccccg	gcgaatcatt	gaacactacg	gttaaactgc	aaatccccga	tcattccaat	240
ntatctttct	tccttggttt	ccatgcgtca	taccagata	ccctccgaa	aattcttggg	300
acggcgctga	ccggtgcacg	cggtgagaga	aagatagctg	tggatgtact	ggaggatatt	360
gtaggagaaa	cataccagcc	cggcgtgtt	tgcctgttcg	atgtcatcaa	tgaggcggtc	420
gaggcgttcc	gagagctcag	tttgggcggc	cacaacagca	gcagcaacac	gaaccaggac	480
agcgagaaga	ggggagcggg	agcagagaca	agggcaaccc	ctgcgcgggt	cgcagcggac	540
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tccgatgtgg	taacggagaa	gaaatcgggtg	tttgtgggtc	gggcggcgca	tgttaccagc	660

ctggaacagg	ctcaggggta	tctggaccat	ctcctggcca	cggataaaaa	ggttgctgct	720
gogacgcata	atatcagcgc	ttggcgtatt	agacagcaga	aaccggccaa	cggaaagggc	780
gagtcctgcag	agatgattgt	gcaggactgc	gatgatgacg	gggagacggc	cgctgggtggg	840
cgattgctcc	atctcatgca	attaatggat	gtgtgggatg	tggttgtcgt	agtatcgcca	900
tggtagcgtg	ggattctcct	ggggccggac	cggtttcgga	tcatcaacgc	cgtcggtcgg	960
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aagaaaggga	agagatga					1038

<210> 13320

<211> 2340

<212> DNA

<213> A.fumigatus

<400> 13320

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tatattagac	atctggctct	ggaaattggc	caagagtacc	aaaacagggt	gaacgcagag	180
aaagatgtac	aggacctgat	cgatctctca	ttgtcacttg	tcccctactt	cttgagccat	240
aatgccgaag	ccgatgctgt	tgacctcctt	agttagctgg	aaatcattga	ggagattccc	300
cgttttctcg	acgagaacac	ctactccaga	gtctgtctgt	atatggtcag	catggttaac	360
ctgctcacct	atcctgaaga	tcagcagttc	ctccggacgg	cacacgagat	ttatgtccgc	420
tataaggagc	tcacaaaagc	aattgtactt	gccattcgac	ttaacgacac	ggatcttata	480
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gcagctggcc	tactcatgtc	cgttgatatc	ttgattgacg	ccaaacaatt	tattcttgcc	2040
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<210> 13321

<211> 240

<213> A.fumigatus

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ggcaagggca	aggttgatga	tgtgaaagat	ctgcctggag	cgaagaagac	acagaatgac	180
gagaagacac	aagcgaatgg	gaaaaagaag	gaggaggagt	cgaaggaagg	tatgtcataa	240

<211> 225

<213> A.fumigatus

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acgactctct	acgctcctgc	cttagatgcg	atcaagaatt	tcataaagac	ctcgacttct	120
tctatgaccg	ctgtcccca	acccctcaag	tttctcagac	cgattacga	tgagctgaca	180
gagctgtacg	agaagtggcc	tgcgggcgct	gtcaagggtg	gttaa		225

<211> 189

<213> A.fumigatus

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agagatctca ttaatacact gtctgtctgct gtacgagatt ataagcagct tccacggacc 60
tttctagcct atcttttttac cgtctctcacc caaacccgaga ccaactcgcc aggtaccCGT 120
cagaaatggc gaaagaaggc gagaggtcag ctcccgccga caagggcaag ggcaaggTTG 180
atgatgtga                                     189

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<211> 309

<213> A.fumigatus

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cccaaactga	ccgcgttgaa	tgtgaagcat	cagatcacca	ccgctgatat	attccataac	120
aaagtacacc	cgagtttccg	tctggaaaca	ggcgtgaagg	ttgagaagga	atggatggcg	180
ttccttatta	gcgatcagga	agacacgctt	ttcggattta	gtgctctcca	cttcattcatt	240
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ctctgtag						309

<211> 561

<213> A.fumigatus

cattcgatcg	tttccccggg	tttactgatt	ttccatcgtg	tgactaggtt	cgaagtctct	60
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attgcctcgg	tctaccgtaa	gatcgagcgg	gagaaggctc	tcatcactgc	cgcgtcgaac	180
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ggtcggaaag	acatcgctta	cctcgaaag	aagatcgagg	agttgcagtc	ccgacgatg	300
aagcaagaag	gggcttctcc	cacagacaaa	cgcttctctc	cgaatcttga	cgggtcggct	360

ccagtcacctc	ctcctaaaga	ttacgcacca	ggctattctg	gtcacgagag	ggagtatggc	420
gatgcttctg	gggcttatcc	acatggaggg	gcagggacca	tgccgtccgg	agcgcccttc	480
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<210> 13326
 <211> 516
 <212> DNA
 <213> A.fumigatus

<400> 13326						
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cgaacttctt	cctcgcaaag	ccccgcagcc	gccgcgcggc	ctgctgctgc	cgagccaca	420
ggactgcgta	cgccccagca	agcttcaggt	acgctcgatc	gattttcctt	gcaccactcg	480
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<210> 13327
 <211> 465
 <212> DNA
 <213> A.fumigatus

<400> 13327						
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aaggaggagg	ttcacgagaa	gcagggtcac	aagtttgtca	cacagcaatt	ctacaacatc	180
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tgtaaataata	cctgtcaccc	aaagtgttat	ccaaagggtcg	tcaccaagtg	tatcagcaag	300
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gagggattct	ccaatatctc	ggccaattgg	tgttgtcact	gtggatacct	gcttcctttt	420
ggacgaaaga	gcgctaagcg	ctgtacaggt	atgtcttcat	tgtga		465

<210> 13328
 <211> 369
 <212> DNA
 <213> A.fumigatus

<400> 13328						
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caatacaagg	ccggtatcga	gaaaatggtc	cgcctatc	aagatgaggg	cgataggaag	180
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caggctctca	agcgatatga	ggaccttc	gtggatattg	aatccgccga	agcacctgac	300
ggtatgttgc	gagccctgcc	actgcttgtt	gtgtggcctt	tgcattcagc	agttactgac	360
ttcgtttga						369

<210> 13329
 <211> 630
 <212> DNA
 <213> A.fumigatus

<400> 13329

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gagacttttg	tcgttggtcaa	agtagaagac	gccatcaagg	ccagaacgaa	agctaccaga	180
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ggagcgccag	gctcgtccaa	tcgaccaccc	tctgggggtc	attctggcgg	accaggtcag	480
ggatatgcgg	gtggtgctcc	cggcggcgct	tccgcatgcc	cggtcctgat	cgacagttgg	540
ttcgcgttgg	agccagttgg	tcgtatccac	ctgacgctga	gctttggtga	gtatctgtat	600
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<210> 13330

<211> 816

<212> DNA

<213> A.fumigatus

<400> 13330

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ttcttcctcg	caaagccccg	cagccgcgc	cgccgctgct	gctgccgcag	ccacaggact	180
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aaggagtcca	tcattgagaa	tgatgaagtg	gagagcacta	aatccgaaaa	gcgtgtcttc	660
ctgatcgcta	ataaggaacg	ccatccattc	cttctcaacc	ttcacgcctg	tttccagacg	720
gaaactcggg	tgtactttgt	tatggaatat	atcagcgggtg	gtgatctgat	gcttcacatt	780
caacgcggtc	agtttgggct	gaaacgagca	cagtaa			816

<210> 13331

<211> 417

<212> DNA

<213> A.fumigatus

<400> 13331

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gcggcgctcca	aagtaatcgg	caaccggcgc	ggcgcccaga	gctccgaaga	aagtgccagc	180
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cggattgatg	tagccggtgg	agaagagctt	gcgccagtat	ggcatggcaa	ggatgccgct	300
gatggtgccg	gtatcatagc	tatgtgcagt	cctctggtca	gcggttgtgc	caaggtcagt	360
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<210> 13332

<211> 894

<212> DNA

<213> A.fumigatus

<400> 13332

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ctccctgttg	tctgctggca	ctttcttcgg	agctctgggc	gccgcgcggg	ttgccgatta	180

ctttggacgc	cgccttggtg	tgattatcaa	ctcgggcgtc	ttctgctttg	gtgtcatcct	240
tcagaccgcc	gccactgcga	ttccgttggt	cgtcgcgggc	agattcttcg	cgggattcgg	300
cgtcggtctt	ctttcagcga	ctgggtatgt	cctcatcatc	tttttgcca	tcctgggtggc	360
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cagtttgctt	gggctattat	cctggtgact	ggtatgctgg	ttcttccga	aaccccgca	600
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tacgagctca	gcattgggtac	ggcaagctac	ctcgagattc	ttcgcggcac	catcggaag	780
cgtttggcta	cgggttgccg	tatccaggct	ctgcagcagt	tggccgggtg	caacttcac	840
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<210> 13333

<211> 519

<212> DNA

<213> A.fumigatus

<400> 13333

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gctgaccaga	ggactgcaca	tagctatgat	accggcacca	tcagcggcat	ccttgccatg	180
ccatactggc	gcaagctctt	ctccaccggc	tacatcaatc	cggacgacaa	ctaccgggat	240
atcacatcct	cgcaatcgtc	gatgatcgtc	tccttgttgt	ctgctggcac	tttcttcgga	300
gctctgggcg	ccgcgccggt	tgccgattac	tttggacgcc	gccttggtat	gattatcaac	360
tcgggctctt	tctgctttgg	tgatcatcct	cagaccgccg	ccactgcgat	tccgtgttc	420
gtcgcgggca	gattcttcgc	cggattcggc	gtcggctctc	tttcagcgac	tggatgttc	480
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<210> 13334

<211> 468

<212> DNA

<213> A.fumigatus

<400> 13334

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ctgtatgtcc	tcatttcttt	tcgtactcga	actcacagct	catatgtgtg	tctagtctac	180
tacggaacga	cctttttcaa	ggcctcgggc	atcagcaacc	ccttcacatc	tactctcatc	240
accaacattg	tcaacgtgat	gtccaccttc	cccgtctct	acatggtgga	gaagtggggt	300
cgtcgtcctt	tgttgatgtt	tggagctttt	ggcatgggccc	taaaccagtt	tatttgcccc	360
atcgttggac	tttccccctt	ttcgaagtgg	gcaaaaaaaa	cgggaagccc	ttggggggat	420
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<210> 13335

<211> 393

<212> DNA

<213> A.fumigatus

<400> 13335

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ctctctcgcc	ttcccgctcc	gtacttgccg	accgctatcc	cccataatat	ctccagccat	180
caagatatcc	aaactctact	ccaggacgag	tcaccctttt	tctacaaggt	tactggccct	240
cccaaaagca	acactatgtc	ccgctcttgc	aaccacttgt	atggagctcg	agtagaatgg	300
tgtgcacccat	tcctgcttgc	tgctcttggg	aacgtgcgcc	ataccgtcca	cggcgataag	360

ttccccgggaa gcaggtcccc ggtaactctg tag

393

<210> 13336

<211> 336

<212> DNA

<213> A.fumigatus

<400> 13336

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gaggccggtt	ggggcgccgt	ctgggtccgt	cccggcctgg	accgcaaata	caggtctctg	120
ctcaacactg	gtatgctttg	cgcgctcaac	cgcggcgccg	aattggcggg	ccatgtgcgt	180
ggcgcgctca	acaatgggct	ttcggagggt	gagatccgcg	aagctctgct	gcagggttga	240
atttacgtcg	gcatgcctgc	aggcctcgag	ggattccgga	tcgcagaaaa	ggtcctaagt	300
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<210> 13337

<211> 345

<212> DNA

<213> A.fumigatus

<400> 13337

ctggcagtg	caatagttg	ctacggcg	ggcgcccg	gggttcgtg	agctgtcgtg	60
gttgacctg	gaaagcgat	gaatcggat	ctcgatatca	accagagga	ctgcacctgc	120
ttggctgaac	ccggtgtttc	ctactacgca	ctgtacgagg	agatccagcg	acgcggctac	180
aagcacctct	ggattgacgt	tcttgatctg	ggaggtggct	ccgtgctggg	aaacgcgctg	240
gaccacggcg	ttggttatac	cccgtacggg	gaccattggg	ccatgcattc	gggcctggaa	300
gttgtcacac	ccaccggcga	ggtggttcg	actgggatgg	tcttc		345

<210> 13338

<211> 432

<212> DNA

<213> A.fumigatus

<400> 13338

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atggaccgcc	aattcggcgc	cgcggttgag	cgcgcaaagc	ataccagtgt	tgagcagaga	180
cctggatttg	cggtccaggc	cgggacggga	ccagacggcg	ccccaacggg	cctcggtcac	240
cagctcttgc	atcggctggg	agaaggacga	tgcgaggagc	aaggatcggg	cgacctaggt	300
ccttcggcg	acttcggagc	ggattcggag	gcccctcatc	aagaggcgct	tgtgcgcgtc	360
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<210> 13339

<211> 714

<212> DNA

<213> A.fumigatus

<400> 13339

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gccatggccg	atatcgatgc	agattctgga	cggaaagtgt	ctgctgagat	cggtgaccaa	180
gtgctgtttt	gccgcacaga	tgtcacctca	tacccccaac	aagcatcttt	attcgaaacg	240
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acgcaattcc	tctgcaacaa	cgattaccgg	tacgacgaga	atggcctgcg	gctccctgtg	360
agcctccaga	ccctggatgt	gaacctcacc	gcagtcaccc	aaggcgtgtg	gctgttcaaa	420

cactacgccc	gacggaacaa	ggtcgcccgc	ggcaaggctcg	tcatcacctc	gtcttctgca	480
gggttatatc	ccatggagtc	ggaccccatc	tacacagcct	ccaagcacgc	cctgggtggg	540
ttgaccagag	ccctcggggc	gggtgctgcag	cggcagaata	tccaagtga	cgccatctgt	600
cggcggtttg	tgcccacggg	tctctgcccg	aaagagatgc	tgggcccgtt	tccaaaggag	660
catatgatac	cttcctcgaa	gacgatggcc	tttctggaca	gactgtggaa	ctga	714

<210> 13340

<211> 999

<212> DNA

<213> A.fumigatus

<400> 13340

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gcgtcctcac	cgtcggcggc	atcagtcgat	gccggcacaa	gtcaaatacag	tagtactgac	120
acctccacgg	catccttgag	cgatgagcaa	gagttggctt	ccgaggttat	cgaaggacat	180
gggttatgcg	aaaagccaga	gctggccgca	ttgcagcgac	ccagacgtaa	taccgataag	240
ggagcttcgg	aggatacccc	tgcaccacca	gtggaaggaa	aagcgcctct	ggctgtgact	300
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tctgacgtct	ctaagacccc	tgatgatgac	ttatcagccg	cgacacctcc	ttccgccagg	420
gcgtctgatt	ctaccgcgga	cggcaaacc	tcaagatcgg	caccggtgac	agcccaatcc	480
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ggggcaacga	gtccgggatc	agctacgcct	ggcagttctg	ggactgagcg	tgcagccgtt	660
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tccgacagtt	tcggcagcca	tcggggagaag	cgtccagtca	ctgccggatc	aactacgtcg	780
cagggtttcga	gcaagctcaa	gggccttatt	agtcgccaaa	ccgactccgc	tacgttcctt	840
gttcgcagct	cttcagaaac	cagtagagca	tccgctgtca	cccattgactc	agtatatgat	900
gatacatcgg	ggttggatga	attgatccag	agcagggaga	caatccatta	taccctgaca	960
cccaagaccg	tgagagatat	ggagggtttg	tcaacctga			999

<210> 13341

<211> 471

<212> DNA

<213> A.fumigatus

<400> 13341

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gccgatgccc	gtgactggtc	cagcggttcag	gctgcggaga	agctcaagcc	ggtggaaact	120
gatctccgtc	gtattgagga	gatgggtggc	gagatcgta	acgagatgga	atacctgcgg	180
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gccttcggca	ctatgggaat	gctgggttgt	ctcgggtgtt	ggcaggctcg	atacctcagg	300
gcttacttta	ggtatgttga	cttccccgtg	tcgtggaggg	ttgatgggtg	tgtggctaac	360
tgtctgtctt	gttgcgaaac	ggtcgaagca	tcttatctaa	gatctagtcg	tgttgtgttt	420
tgggtccccc	ttgtcatgtg	gacaaggctc	tcatgggtga	ttctccgttg	a	471

<210> 13342

<211> 324

<212> DNA

<213> A.fumigatus

<400> 13342

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acaagccaca	acctcctttg	tcggccaatt	tactcatcga	caatgggcag	ctccccacaa	120
tcaagcacga	gggcactcct	cgggtctttt	ttcctgctcc	ttgtccagct	ctcctccggc	180
ttgaaattcg	acctgcacgc	cagcagcggg	cacaacgagc	gatgtatacg	gaattttgtc	240
tttaaggacc	aattgggtcg	tgtgacagct	attgtgagcg	ggcagagagg	tgatgggcag	300

gttgtgaata tgcacgtatg ttga

324

<210> 13343

<211> 207

<212> DNA

<213> A.fumigatus

<400> 13343

gaatcaacat	acgtgcatat	tcacaacctg	cccatcacct	ctctgcccgc	tcacaatagc	60
tgtcacaacg	accaattggg	ccttaaagac	aaaattccgt	atacatcgct	cggttggtccc	120
gctgctggcg	tgcaggctga	atttcaaggc	ggaggagagc	tggacaagga	gcaggaacaa	180
aagaccgagg	agtgcctctg	tgcttga				207

<210> 13344

<211> 585

<212> DNA

<213> A.fumigatus

<400> 13344

acaaggccaa	cgacactccg	ctcccttggc	ccaccaaggg	ccggtgatta	tgtggccgcc	60
aagtttactg	aggatggcga	ctgggtatcg	gccagagtgc	gtcgcaacga	ccgtgaaaag	120
cagcaggcag	aggttgtata	catcgactat	ggtaactctg	agatcctccc	atggtccccg	180
ctccggcccc	tgagccaacc	ccagttctcc	gtccagaagc	tccgcgctca	agcttcggat	240
gccgtgctct	ccttcgtcca	gttccccgtc	tccgcgatt	acctccagga	tgccgtcagc	300
tatcttgagg	agctgacgta	tggctggaca	ttggctgcca	atgtcgacta	tgtcgcttct	360
gatggaacga	tgcacgttac	cttgttggac	ccatccgtat	cgaagagcct	ggaccagagc	420
atcaacgccc	agattgttcg	tgagggtctg	gccatggttc	ctcggaagtt	gaaggcctgg	480
gagcgtgcag	ccagcgagac	tctatctaac	ctgcgtagca	tcgaggacga	ggctaagcag	540
gagagacgcg	gaatgtggga	gtatggagac	ctcaccgagg	actaa		585

<210> 13345

<211> 1521

<212> DNA

<213> A.fumigatus

<400> 13345

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cctgggtgag	ccttcgggga	cgaggcatac	cagttcgctg	aggcggggtt	tttgacgcgc	120
aagggttcagg	tgtctcttct	gggagtcact	ccccagggac	aactgatcgc	tactgtcctc	180
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gccggccagg	attacattgt	cagccgagtg	ctgaacgcag	atactctgat	cctccggaac	420
aaggccgggtg	aggagaagaa	gatcagtcctg	agcagtggtta	ggcagcccaa	gccctccgat	480
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aagcacgtca	aggtcacaat	caacggcaaa	aagcctgcga	ctgaggggcta	cgaggagaga	600
gacgtcgcaa	cagtgatgca	gggcaacacc	aacgtcgctc	tctcgctggg	ggaggctggg	660
tatgcttcgg	tcattcgctca	ccgccaggac	gacgaggatc	gctctcctga	ctatgactcc	720
ctgcttatcg	ccgaggcgga	agctcagaaa	gacggaaagg	gaatgtgggtc	ccctaagccc	780
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acagagtact	tggcagctga	gcagaaggca	aaggaggccc	ggaagggctct	gtggcacgac	1260
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gagctgatga	gcgccttccg	ttctttccac	ttgaacaagg	ccaacgacac	tccgctccct	1500
tggccccacc	aaggccgggtg	a				1521

<210> 13346

<211> 282

<212> DNA

<213> A.fumigatus

<400> 13346

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gtaactaaact	actactttac	tgacattccc	accactcaaa	agaaccaagg	ctactactat	120
caaagagggg	cattttcttg	cattccttct	tgccatctca	tcagactggc	cagtaccaag	180
agcaaccaac	agcctctcga	cggccaaacc	actttctctg	atcgctttcc	tccgatcttc	240
tccatcgcaa	atctgcgata	ttcaccttac	actacggagt	aa		282

<210> 13347

<211> 975

<212> DNA

<213> A.fumigatus

<400> 13347

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ttcgtagcgg	atttacggca	acctggagtc	accggccgga	ggtgcggaac	taccattgtc	180
gaaatgattg	gagcggacga	taagccacag	gcgctccctc	cttactccgg	ccctcccccc	240
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gcatacgatc	agccatggcg	cccctacca	ccgtccttcg	agcatcatca	cgccgagcag	360
cgacgggcct	ccaaccccc	tcaaccttc	ctgccccctc	acgggtatcc	tgtcataccg	420
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aattggcgca	gaggaaataa	actaactttt	atattctttc	cattgtctaa	aaggcctgcg	900
atcagtgtag	agcaagaaaa	gccaagtgtg	atgaaggggc	gcctgcctgc	agccattgca	960
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<210> 13348

<211> 525

<212> DNA

<213> A.fumigatus

<400> 13348

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accacgcaga	tcttggacaa	gatacaatat	ctagaagata	agctcgacga	gcgtctaacg	120
cattttcaaa	cggtagacat	ggaacatggg	atgacactaa	gtaagatttc	taacgagggtc	180
ggactgaaag	aacccaaaat	tttggccgtc	aaagatgcc	cccgatcaat	gccacccaag	240
cagacactcg	atagattgct	gaaaccaagt	gctactgata	ttttgcttga	gtcagaatca	300
aagagtggag	atggaatgca	gccattggac	tcgaatgacc	ctccaggggca	gagttatgta	360
gagagggagg	atggtgagct	gtctatocca	gtggaacata	caacagctgc	ccacaaattg	420

ctctcctggc catcgattag gaacctgctc taccctcgcg agtatgacga ggattatgtg 480
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<210> 13349
<211> 243
<212> DNA
<213> A.fumigatus

<400> 13349
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ctgtcatacc gaatcgagag ttgcctcagc tacctcccga aggaccgtat ggtcggccaa 180
atagtttgcc tgctcctagt ctcacccga cagagtcgca tgcgccgact tttcgtccta 240
tga 243

<210> 13350
<211> 660
<212> DNA
<213> A.fumigatus

<400> 13350
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gcgaaagcct tcgtcaagat cgcggtgacc gaagtcactg atatgagcac ctccagcgcc 300
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cttcttcata tccgtgatag cttgatggag tctttgaagg cagacacggc acgcttcgct 600
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<210> 13351
<211> 195
<212> DNA
<213> A.fumigatus

<400> 13351
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tgtaatatcc actggcctaa gttgatcgaa catcatagaa ctaggcaggc caacacaagg 120
atttgcttgt taagtcatga atatggcccc ctaatgcccc gcattcagtc atttcaagtt 180
gatgctgtgg tttag 195

<210> 13352
<211> 483
<212> DNA
<213> A.fumigatus

<400> 13352
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aaatggcttg acgttctctt gtccgctact atttctatct ccatgtgtgt gctcggcggtt 180
cgcttggtta aaactctggg atccatgctt ctcatgtcct attcgggtcc aggggtctcg 240
gatgtgatta aggatattga agcagatcct tctgtttttg ggatcgatga tgcgagggtc 300
tggcaagttc actatggggt gtgtatggca aatctgaaaa ttcgggtatc tgggttcggag 360

gagaacctgg tacgtctacg tgaacgcac tccagcttga tcaagaatcg actgggaggg 420
 ggatatggca ctgggtggca gaaatgggag gtttcattac aatttactgt ggataactca 480
 tga 483

<210> 13353
 <211> 258
 <212> DNA
 <213> A.fumigatus

<400> 13353
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 ggttattggc tacaggggtgt tgaagaccga cagctcaaga ttctcgctca acgacgggaa 180
 gcaattctgg agaagcgccg gagacgggac gaacgtgagg gaacattgga agcaggcgct 240
 ctggctgcga catcgtga 258

<210> 13354
 <211> 1005
 <212> DNA
 <213> A.fumigatus

<400> 13354
 ggactggcat tagctactcc cttatacccc atggcgggcta tgttgactaa cgtcaattct 60
 tggacaggag ttccgcgaaat gggaagtgtt gtcaattgtg ctttgacact ttttaattcg 120
 aagaaagatt caaaagcaca atttgctttc gaagcgaaag agcctgagaa actcactgca 180
 gctgtcacgg aagttgaagg gccgaagaag aagttcaaca agcttccaga aatttttgac 240
 aagctccgtc tgcgttcccc aaaaaccgtt ccagggtctta accccgagtg cttcatgcct 300
 ggaaagtact cttatgattt cgaaatgata ctgcattccg gtctccccga atccacattc 360
 attgagggaa ccatagtcgg ttatcatctt aaagcaagcg taacgtgtca ctccatgctc 420
 cggggaatgt acaaatcgat tgaggtcgac gctgttcgct gtccctacaa tgcgtacgtc 480
 gaagactccg tgggaggcga ttgggctttg catgttgacc gcgttttgca tgcggacatt 540
 cacctccgga ggaaaggcat cgcttttagaa gatcaccttc ccggctcatt caagtacaaa 600
 ggatacaaca acaccaagtt ccgcaaaactt caggtctttc tgggtgagga tgtcaggtat 660
 ttcattgcggg acggaacaca ggccggtaag gctccttata aaaagctact catatatgag 720
 aatagcggcc acaggccgga tgtgcacccc cagcaagaag aagtctctga agaggagctc 780
 aacatctttg aagcaacatc gacaagagtc cctttatctt ctacaaactc cgacactcca 840
 gacggcgatg cttttcctcc ttccgaaaca atgggcttcg acttcgagct agatatgcca 900
 aagtgcata cgcacagagg tgcctcagat ttcagataca tgcactacga caccaaaatt 960
 cggagtgtga tgggtgtcaca tttctttcag gtaagactcc cctga 1005

<210> 13355
 <211> 270
 <212> DNA
 <213> A.fumigatus

<400> 13355
 gacttcgagg attcctggct tgagggaact tcaagagctc acattacgag cggtctcatt 60
 ttgttcttcc accccttcga cagcaagatg gactcagcaa ttgatatgta ctggttccac 120
 aatgacacct ctactgtcgt gactcagatc cttcgcgact tggacgagaa gaggaagctg 180
 gctattgtgt tggaactgac tgagcctgcc ttttcttcc cgaggccacg ggcaacagac 240
 ctgttgtgct tcggggccgc tgcacgttga 270

<210> 13356
 <211> 297
 <212> DNA
 <213> A.fumigatus

<400> 13356

tggataaata	ccttccggcg	gcgtcgtgta	aaatttttcc	ggagcactaa	agtccttata	60
cacttccttc	gcctgttcta	tccgcccttg	tcggttattg	tccacggggg	tcttgttgca	120
gtctacatcg	tctctgctcg	gtaccaggcc	ggccctgata	tgteggatcc	cgcgaccccg	180
cagcccgggtg	cgccgtggta	catcacaaag	aagtgcaccg	tcgctgcgaa	taaaaacaat	240
atcaactact	gtcgccagtc	caaggccctg	tttgcggttca	caataattat	catgtga	297

<210> 13357

<211> 1200

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (845)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13357

tcaactccgcc	cttcctgggt	ccgcgcgacc	atggaaatcg	ctcctccgga	gtcggacact	60
gtgagattaa	acaagacata	cgcattgcag	cacgagagag	acactcaaga	tacaatggat	120
gtgcaaacgg	ctccgcggtc	aattcctagc	actgaaagca	gcaacaatta	ttcgaatgcc	180
attctccaag	atgccgaacc	gcagccatct	cttgatgcca	ctacagaaca	ggtttgggta	240
cagcgtgccc	tcgccgaaat	gacggacatg	ctcctectcc	tacgtcgcga	tggcaccggt	300
ctctacgctt	cgccatcctg	caagtggatt	accggatagc	aatcaaagca	gatcgaacgt	360
gacgccctat	cccgttcat	tcacgatgac	gacaaatccg	tcttcacccg	tcaactcgaa	420
gagtgcacgc	ccacggcccg	tcgctccgg	tgccaattcc	gcttctacaa	gccgaataat	480
acgttttgcg	tcatagacgc	gcacgggtcat	ccacatatca	aaaacgagaa	taacacctgc	540
aacgggtgtct	tcctagtctg	cgggcggtat	cccaccaaga	gctcggcgct	actcgattcc	600
tttctcgaac	acaagatcga	aaacatccgg	ctaaatcagc	gcattctaca	gctcagggcg	660
gaagaggagg	aagatacaaa	tgcaagtcca	caggcatacc	tcaagcaa	ttcgggccct	720
tttgcccagc	gccagaactg	ccttccatcc	ggtacctacg	atgccaccgg	ctcaggcgag	780
gagaacgagt	cgtccgatac	ggtcaacacc	gatgatggag	aaccagggtc	gcttcttgaa	840
agcantatgc	gacaggcaca	agacatgacc	cacatcgacg	gaattgagat	gatgacaggg	900
ctgcgttacc	gcgagggcga	gcggtctcat	ggtcttagca	cgggcatgcg	ccaaggctgt	960
ctcgtcaatt	gcgatattga	tacggccacc	attgagcagc	aagttcagag	cgcacaggag	1020
attgaccgaa	ggaaaagatt	gaagggggag	tatctgtgta	cagactgtgg	gacctctgat	1080
tccccagaat	ggagaaagg	accggacggg	ccaaagaccc	tgtgtaaatgc	ctgcgggtgt	1140
aagtcgcccc	gacgctaccc	ctgttggttc	tcgactgaaa	ctgactgttt	tcctcaatag	1200

<210> 13358

<211> 189

<212> DNA

<213> A.fumigatus

<400> 13358

gcccagttga	agataatcgg	aaccatcctc	aaggagttga	atttcgtcag	caattatctc	60
agttatacga	tcaatgaggg	tgatttcagc	gtcatcgcta	ctcctggcaa	ttccgacacc	120
attcatgtag	tcgtcaagaa	gctcttcac	agacaaattt	tgagctccca	caagggaagt	180
agcgcgatga						189

<210> 13359

<211> 2697

<212> DNA

<213> A.fumigatus

<400> 13359

agacccaaaa	tcgatcacgc	atcgaaattg	gtgtcacaa	tttcccccta	tctacccgaa	60
tctcatatcc	agtgcttttag	gccgtccccc	ttcctgtatg	acctgaagcc	ttcaccttgg	120
gagaagctta	cttataaaact	gacatcgtea	ctgctctcac	tgggctccaa	ttttcccccg	180
ttacgctcga	ccactctcag	cgctatcaac	gagtacttgt	atagctgtgc	ggatgctata	240
gatgccatta	cgcctcttca	gcgctacgat	tctgcaggcg	acaaattcgg	ttctgttcaa	300
gagcacaaac	gcatactgtc	actcgccgtt	tctcttgttg	gattttttaga	agcatccgca	360
cagtttccct	cactttgggtc	cgccagtga	aaactgcaga	ttgttgagca	cgtacgatct	420
atgttgtctg	aaagtttcat	ggttgcaatt	gagaccgcct	cttctaccgt	gcgcaatgcg	480
agcttggctg	atcctacgtt	gagggactgg	agaaggta	cccggcaata	tgcggcaaac	540
agacgtcctc	taggcgctat	gcttctgcag	caagggttca	tgcgtttcgt	caagtcattgc	600
gctacttccc	ttgtggggagc	tcaaaatttg	tctgatgaag	agcttcttga	cgactacatg	660
aatggtgtcg	gaattgccag	gagtagcgat	gacgctgaaa	tcacctcat	tgatcgtata	720
actgagataa	ttgctgacga	aattcaactc	cttgaggatg	gttccgatta	tcttcaactg	780
ggctcaccct	tgcaaaagca	gctcaccttt	tctgtgaaag	cgtttgctct	tattggatac	840
ttgaactgcg	tcatattgag	tggaaatgct	gccaacagtg	gggcctttct	atcttggttg	900
gaagacacac	tggcagaccc	caatcaaattg	gcaagtcttg	agcttgcaac	tgccaccctg	960
aaaagcatag	ctatcatctc	aaggatgtct	ctggccagtg	catcctctgg	aagccgctct	1020
cttttgaggt	tcattattga	aggggtgcgtg	ctaggggaat	atactgggtc	tgttgctgga	1080
aagtgtctgg	ctcaagtact	tggcattttg	tctcaagatg	ccgtcataac	aactctttac	1140
tctctcgga	acgctttgag	ccctgggtca	ggctctgaca	aatattatca	tagtcagctc	1200
ttgaatgaga	atgctcgga	agccgacagt	gtttcttccg	ttccaccacc	aattgggtatt	1260
ggtagtacgg	tctccatttc	agccattgggt	gaccacgata	atgcaacctg	cagaaacatt	1320
ctccgtgcta	ttgtgacaat	tgcagtcagc	tccaatgacg	agaaaatcag	tgcgctagct	1380
cagtcaatgc	ttttgcaaaa	gatcggaaca	gtcaacattg	cagtggatgc	tctcatcatt	1440
agagaaaactg	cctccctctc	attgagcaca	ggacaagcag	actttcaact	cctgctcaag	1500
ttttatgacc	gtgcttatca	agacagtatc	gcccgggaatt	tcagtgatgt	cacaaatgca	1560
gtcaagggcg	caatggcata	catatctctc	acgctgagga	gggattcccc	acttttccgg	1620
gtctatttgg	ttcatctctt	ggaatgtatc	gtgaataaag	gcgatgcagt	aagcgaaagt	1680
gagcggcaga	aggaggttgt	tctagcacca	gaggccatca	gttttctcct	cagacctctg	1740
gctctcctca	tttcatcaga	cgaaggggga	gctgagacac	aacagacaga	tgtaatttat	1800
gatgaagacg	tactgcccct	gttccgtgat	gcttgggtta	atatctctgt	tcattgggac	1860
tcgactcagt	cagctgttac	tcaagccat	atccgagaat	tacgcttgct	cgcaaagaac	1920
tctccgcccc	tgattgctga	aagtgcgtta	gagatgctcg	agagtgcgt	agagctgaac	1980
acaatctca	gacgcggaat	gagccccaa	cggttgatag	agctcaagag	aattctcatg	2040
gccgagctac	ctgattgcga	atcagggatt	aaacatctga	attatccaaa	agtggtcttc	2100
ctcaacgctt	ctttgttgg	tgagagcctc	cgtgcgtcgt	cgggaaattg	caccaaagtt	2160
ctcaattatt	tccgcgacct	agccttgact	acagctgaca	tggccagttg	catgagctcc	2220
attgcagata	aagtctgcgc	tgactactta	tccctgacct	tatctgcgga	cgatgagaat	2280
ttctctgttc	cttatttgtc	aaaggaattg	gctcaattct	tcattggctt	ctgtcatcgt	2340
atagaacgag	tgcagagcgt	cgccatgttg	tgcgccgaca	agatcattag	agaatgccca	2400
tcagctctct	gtgataaaca	ttccctattc	gctcttcttg	aattgctgac	tgtaattgtg	2460
ctgtcgtgtc	ttgaggaaga	gcttgatgag	tttgagtgga	aggcttccca	tgcatacccg	2520
atgggaattg	ttaaggttga	tcttgccgac	gactacaatg	ccaggaagag	aactctgaac	2580
acactccttg	agcgagctaa	agcttgggtg	gcagcagtta	tagatattgc	acctctggat	2640
gtgaaaggcc	ttctccaggc	gagtaccttt	acgaaggctt	ttgggattga	ttgctga	2697

<210> 13360

<211> 228

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (169)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13360
 gttgtaagta gagggcagag gcgtacagaa tccgtctttc tcgtctacaa gcgtaatgtc 60
 tactgggatg tgggtgctgtg gtggtttgat ctccgtgtcg tagttgaagc gggaggggtg 120
 gccgcgggaa agatcgagga gggtaggggc tgcgctgagg ccgctgtang aggcgcctgc 180
 tatgaggacg cggaagcgac gcgcgagggg gacgagggtg tcgtttga 228

<210> 13361
 <211> 498
 <212> DNA
 <213> A.fumigatus

<400> 13361
 cctgggtcaa aacgggcgat gaagccatct tcgatgagga gggttactgt accatcacgc 60
 ggagattcaa agacatcatt atcagaggta tccacttttc tctccccgac cgcacaaaaa 120
 tcaaatctaa cccacacagg cggagaaaat atctaccctc tcgaaatcga agagcgactg 180
 gctgcacacc cageccatcga ggtagcctcc gtaatcggca tcccagacca gaagtacggt 240
 gaggtcgtgg gggccttcct tgcactggct gctgacgtga gcgcgagacc atcggatgag 300
 gagctccgcg ctgggacgcg ggaaacgctg ggtcggcaca aggcgcgcga gtatttcctt 360
 gtgtttggcg aggagggcgt cgaccgcact attcctgtga ccggcagcgg caaggttcgg 420
 aaagtggatt tacgcaagat tgcagcgagt gttttggaga gacggttggc aaaaacggca 480
 gcaataaagg aaaaatag 498

<210> 13362
 <211> 333
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (144)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13362
 accgaatcca cagcctttgt ccatctacca caccgacctc catacccctc aatctgctcg 60
 caacgctcac aaaagaacat gccatcaaac gaacacctcg tctccctcgc gcgtcgcttc 120
 cgcgtctcga tagcaggcgc ctentacagc ggctcagcg cagccctcac cctcctcgat 180
 ctttcccgcg gccaacctc ccgcttcaac tacgacacgg agatcaaacc accacagcac 240
 cacatcccag tagacattac gttttagtag gagaaagacg gattctgtac gcctctgcc 300
 tctacttaca acctaagtgc gctaacgaga tag 333

<210> 13363
 <211> 390
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (356)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13363
 cgcaggttgc aattcccacg gactgtcgcc aatgccaaact accactttgc cgtcggcgac 60
 ctggctgcgt ggtccggtat caagcgctgc ggtgcggcga tgcacatggg ccactacgcg 120
 ggatacaata tccaccagtt gatgttggcc gagtgcacgc cttctaagcc tgtcttccag 180
 gaattgcagg agattcccc aatgatcggg ctgtgtctgg gtaagacggc tgtctcgat 240

cacccggtgg	acggagtcaa	ggacggtgag	gatattctgg	cgcccatggt	cggggatgat	300
atggcgctcaa	aggtttgttt	ccctcctgct	tgtcaagggg	tgtgcctatg	taaaanaacg	360
tgttgctgga	attatatgcc	ggctgtcgga				390

<210> 13364

<211> 774

<212> DNA

<213> A.fumigatus

<400> 13364

agcgaagtaa	cagaagaaag	ggtgcaggag	cagagggtag	aaagtagagg	cggaacggggg	60
gaggacggaa	cgagacgtgg	agcgaggcca	aatcgaagtg	ttccaagaag	gagaaaaaaa	120
tgggactgct	cggaagtaca	ggaggggagt	tcacacagcg	ggcggttgt	ggccggggcg	180
ctcatgaacc	ggaggcagga	ggaagtgaac	gtgcccagag	atcccaggca	atttcggaat	240
gcataccag	gttcctgtgag	aggggtgcgc	gtagctaacc	aacttcaggc	atcgccaaag	300
cctcaccgc	ttgtatcaac	gcgcctaacc	accgacagta	ttgagcgact	ccttacaacc	360
gtcggcaagg	tcacgtctca	cgctaaagcc	aagatcatcg	acacacaggg	ccacatcgtc	420
cccacggcc	agcgcggcga	gctctgcatt	gccggatacc	aactgacaaa	gggggtactgg	480
aacaacccgg	agaagacagc	tgaggcgcta	atcaccgact	cggtatggcg	aacctggctc	540
aaaacgggcg	atgaagccat	cttcgatgag	gagggttact	gtaccatcac	cgggagattc	600
aaagacatca	ttatcagagg	tatccacttt	tctctccccg	accgcacaaa	aatcaaatct	660
aaccacacaca	ggcgggagaaa	atatctaccc	tctcgaaatc	gaagagcgac	tggctgcaca	720
cccagccatc	gaggtagcct	ccgtaatcgg	catcccagac	cagaagtacg	gtga	774

<210> 13365

<211> 1308

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1304)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13365

aatgcaggct	gccgtacgtg	tcggatccgg	aaagtcaaat	gcgatgagga	acggattatc	60
gttgatagca	agaaggaacc	ccaatgcagg	cggtgttctg	tcgcacgaat	ctcttgcgaa	120
tgggaagggtg	gacccatccc	ccgtcgggtca	acgacaggga	atagaaaaag	tctgaagtca	180
gggaccatcg	cgagttcgca	tggctcgatg	aggagaccgg	ctgatttgca	aactgccttg	240
cttcctggtt	gcacccatga	cagtagtctg	caagctgcca	attcacttgt	cctctcggga	300
tctgaccggg	ctcgcttgaa	ctatcttcaa	gattctgtcc	tgggtactat	actcggcaag	360
cagtggccgt	ggtccaccgt	ttcctacacc	taccatagag	tagctgtcaa	ggaacctatg	420
gtgatgagca	tgatcctcgc	cacgactgct	agtgaatcc	atcgatcacg	tctccacgat	480
tccgacagca	catgtttgta	ttccgcagcc	ggtgatttct	ctgacatcga	tggcaggggtg	540
cactacggca	cagcgttatc	gagactccgt	gaagcactag	ccgaaggcgt	gaagacgtcg	600
tcgaagctcg	aggcgggtgt	cataacgttg	tggctgatga	tcgattacga	gaaccggttt	660
ggtagtgggg	catctacaat	caatatctat	ttgcaaggca	ttgaaagcat	actgcacaac	720
catatcttac	ctctgctgaa	atacaggagc	tgttcggccg	ccgcaattac	tgccgagagc	780
cctggagcgg	caggattgct	gtttgacaat	tctgccgaag	gtgcgagttt	gactgagaga	840
gtggccagga	gtccggtcga	ttcggtagct	ggtccatctg	cggggaaact	agtttacacg	900
gcagtgcctc	tattcttgct	gtggaccctc	tacttcttta	cgcccggcgc	gcttttcttt	960
ggccctgggg	ctgtatatga	accagggttt	gagaaagtca	acgatgatct	ctaccgtctc	1020
ttccgtctct	tccctcatgc	agaagatgaa	aacacgcggt	tgaacctaga	gaacctctat	1080
cgtatcagta	ggcagtcgcc	ttcgaagtcc	tggggagaag	cctacccagc	caaagcacia	1140
ctagacgacc	tggaaaacta	ccctgggtta	gcgctctacc	acaagagcca	tgtggttcaa	1200
ttcagaatca	ccgagctatt	tcggcaagca	agaggcacc	cgtggaacga	agcaccttat	1260

cagcagactg tcgtattcgc caccgaacgg aagagcgtgc attncaat

1308

<210> 13366

<211> 810

<212> DNA

<213> A.fumigatus

<400> 13366

c c g t t t c a g a	t e t g g t c g a a	t c c g g a a c t a	g e t t a t g a g g	a g c a c a a a g c	a c a c g a t c a c	60
a t c t g c g a g c	t g t t c a a c a c	g e t t g a a g g c	t a c g a a g t g c	g t a g a a a g g c	g t a t g g c c t g	120
a g c a c g g c t c	t a g a a a t t g a	g t a c a a a c a t	g g t g c c g g t g	g t c g c g t c g t	g g t g t t t a a t	180
g c g g a g t a c g	a c g c a c t a c c	c a a t a t c g g g	c a t g c a t g t g	g g c a c a a t c t	c a t c g c g a c a	240
a g c t c c a t a g	c t g c g t t c a t	c g c c a c t t g c	g a a g c t t t g a	a a a t c c a c t g	t c c c g a g g g g	300
c t c g g a t a t a	c c g t g c g t c t	t t t g g g t a c t	c c c g c c g a a g	a g t c g g g t g g	t g g g a a g g t g	360
c g c c t g c t a g	a c a a t g g g g c	g t a t a a a g a t	g t c g a c g c g t	g t c t c a t g g t	t c a t c c c a t g	420
c c t c t g a t c c	c c a a t g c t c c	g g a t t t g c t g	t g t a t a g c t g	c a a c t g t g c c	g g g a g g c t t t	480
c t t g c c a a c g	a t a a g g t a c g	c g t g a c a t t t	a c t g g c a a a c	c g g c g c a t g c	g g c t g c c g c t	540
c c a t g g g a g g	g g a t c a a t g c	c c t c g a t g c t	g t g g t t t c t g	c a t a t g t g a a	c a t c t c c c t c	600
t t g c g a c a g c	a g c t c c g g c c	c g c t g a g a g a	g t c c a c g g g a	t c a t t g t c a a	t g g a g g a g a c	660
c g g c c g a a t g	t g a t t c c c a t	g t c t g c c a c g	g t g g a c t a c t	a c a t c c g g t c	a g a c a c a g t t	720
a a a a g c c t g a	a a g t c c t t a c	g a a c a a g g t g	a t c a a g t g c t	t t g a g g c a g c	t g c a g t g g c t	780
a c t g g t t g c a	a a g t c g a c t t	t g a a t g g t g a				810

<210> 13367

<211> 195

<212> DNA

<213> A.fumigatus

<400> 13367

t c a g a g a a g a	t a c a c a a g a g	c c a c a c a a g c	a c a a t g c a g t	t t c c c g t t t c	t c a a c a a t t a	60
t t c a t c g g a a	g t g t t c g c a a	t g c c a t t c a c	a a g t a t g a c g	c g c a g c t t a a	a g a t a t c a a c	120
a a c a a g g t g a	g t t t g a c t a c	a a t t a c a a g t	g t a g t g c t c g	c t a a c c g t t t	c a g a t c t g g t	180
c g a a t c c g g a	a c t a g					195

<210> 13368

<211> 339

<212> DNA

<213> A.fumigatus

<400> 13368

a t c c c t g a c g	c c t c g t a t g a	t t g t c c a a c a	g a t t g g c a c g	t a g c t g a a c c	a c c c c c t c a t	60
a t g a a t a a c a	t c a t a g c t g a	t c c c c t t c a t	c t a c c c a c c g	a c a t t a t g t c	g a t t a g a g t t	120
a a c a a c a t c c	g t c a a a c g a	g a a t c a t c a a	g c c a a t g g c a	a g a c t a c c c a	g a g c a g c g a g	180
g c c a g g c a c c	a c a a g g g t g g	a g c c c a g g t t	g g t a t g a c g g	g a c g t g g t g g	g t t t a g a g c t	240
t t c c t t a g c g	t c g t c a t t g c	t g c t g c t g c t	g c t g c t g c t g	t c a c t g t c a c	t g t c g c t g t c	300
g c t g t c g c t g	c c a c t g c t g t	g g c t g c t g c t	g g t g c t t g a			339

<210> 13369

<211> 186

<212> DNA

<213> A.fumigatus

<400> 13369

a c a c t a t g g c	c t a g a g c a a a	c t t c a c a a c a	g g g t t a t t t a	c a t g t a a c a c	t a a t c c g c a g	60
c t c a t t c a a c	t a c g a a a g g a	t t c a t t t c t a	g c c t t t t g c t	t t a c t t a t c t	t t a t g a g t g c	120
c t a a c t a g g g	t t a a c t c t g a	t g a a a c a g c g	c a t a t c t c t g	c t t c g g c a c g	a t t g t c t c a t	180

ccgtga

186

<210> 13370

<211> 711

<212> DNA

<213> A.fumigatus

<400> 13370

actgattcct	cgaacttcgc	aacttgctgc	ttgcctcaga	ctcttctagc	accgtgctct	60
tcaacccaac	ttgtctctac	atctattctc	catcccaatt	cattaataat	cacaatgcgt	120
gtctccgctc	agctcatcgc	cggcatggcc	ttcgtcgcca	gcgccaacgc	aggcctatac	180
agaagagcac	acgagacatc	cactagcacc	gaagtaacca	ctacccaac	cgaacccgcc	240
acggccaccc	ccgttgctga	ccaagagggt	tccgccaccg	agaccaacac	ctccgcaaca	300
accgagagcg	aggatgtcgc	caccgtcgtc	tctgacgcgg	atgcccaccc	caccgagacg	360
acaagcatcc	ctcttatcaa	ggccaccgtc	gccgtatcct	cctccgctgc	tgctagtctc	420
cccgcgcgcg	gcattctcgac	tagtgcgagt	cccaaggcta	ctggcactgg	cgactacggt	480
ggtttcggtg	atcctaacga	ggagtcaagc	accagcagca	gccacagcag	tggcagcgac	540
agcgacagcg	acagtgcagc	tgacagcagc	agcagcagca	gcagcaatga	cgacgctaag	600
gaaagctcta	aacccaccac	gtcccgtcat	accaacctgg	gctccaccct	tgtggtgcct	660
ggcctcgtcg	ctctgggtag	tcttgccatt	ggcttgatga	ttctcgtttg	a	711

<210> 13371

<211> 480

<212> DNA

<213> A.fumigatus

<400> 13371

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cggatgcca	tcccaccgag	acgacaagca	tccctcttat	caaggccacc	gtcgcgctat	180
cctcctccgc	tgctgctagt	ttcccgcgcg	cgggcatctc	gactagtgcg	agtcccaagg	240
ctactggcac	tgggcgactac	gttggtttcg	ttgatcctaa	cgaggagtca	agcaccagca	300
gcagccacag	cagtggcagc	gacagcgaca	gcgacagtga	cagtgcagcg	agcagcagca	360
gcagcagcaa	tgacgacgct	aaggaaagct	ctaaacccac	cacgtcccgt	cataccaacc	420
tgggctccac	ccttgtggtg	cctggcctcg	ctgctctggg	tagtcttgcc	attggcttga	480

<210> 13372

<211> 279

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (170)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13372

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gcaaacacat	gcatttatgg	tggttaatgac	aatgactcgt	tctctatatg	cagctcgaag	120
atcatgacgt	ggaaacccaa	tttaccacct	gtcacgaaca	acccccccgn	ccttcatcaa	180
ctacatactt	gcagtgtgaa	cctcttccac	gaagaagagg	aggggtgaata	tgccccgcgg	240
cagggtttga	ccattgttcc	aaccaaacc	cctgtctaa			279

<210> 13373

<211> 501

<212> DNA

<213> A.fumigatus

<400> 13373

aatcacagtt	cacagcattc	agtatggggt	actggggaga	catcttcagc	tctgggcgtc	60
gaactcacca	tcaccatctt	ccagaacggc	ggcgttgtac	gtcatcacca	acggctgggc	120
ctgggtctccg	gacagcatcg	cacctttctg	aagctaacgc	ggctaatagt	gcttcccgtc	180
tacagggctg	accagggcggc	ctctgtcagt	cctgctaagg	aggtgacaaa	ggtcgctctg	240
cggctgaaat	atcagatcga	acagggtcatt	ccgttcgaga	tcgacgagaa	ttccatcact	300
aagcctaaca	gccgaatcat	caccgacgag	gtgatccaga	ctgccaggca	ggcaggtggt	360
gatgaccaca	aagactgtgt	ggtgtattgt	ctccttggtt	gtctacggtg	gttcaagctc	420
caggcagagg	ccgaactctg	ggaatctgat	ctgcacctgc	gtcgcgcgct	ggcatgtgag	480
gtcactgcaa	agcgcagtga	a				501

<210> 13374

<211> 870

<212> DNA

<213> A.fumigatus

<400> 13374

gagaagcgtc	cagatctgtc	tgaaaaagtt	agagctaaca	atgctttcag	tatcgagtcc	60
gaggaggacc	aggactccct	catgaaggac	gccctgttgc	agaggttactc	catcatcttg	120
gacggagAAC	caactacacc	agccaacgtc	attgagcgag	ccgtggatct	ccatgctctg	180
agagtcatag	gctcttcggg	ataccagaag	tgtatcaagt	atctctggcg	tgggtggttc	240
tgtcaagaag	agggtaaccc	gaccaatttc	gttccctacc	atgacaaaga	caacacagac	300
ttcaggattc	atttccaccc	tgaccgcatg	agagcgcccc	tttatcaaaa	cgcgtgtcag	360
atattattct	cattgatata	cctcctcctg	tataccatcg	tcatcaatac	tgtcaacgct	420
accggagatc	ttgacgttgt	tgaaggaatc	ctctatgtga	tgactttgtc	ttatatctgt	480
gacgagctca	ccaaactctg	gaaggttgga	agggactact	tcgacttttg	gaacgcattc	540
aactccactc	tttataccat	cctcgcggta	tccttcttcc	tccgtgtggc	tgcccttacg	600
cgatcgagct	ccgtcgaaga	tgagcagagg	aaaacactca	accagctgag	ctataatttc	660
ctggccatgg	caggcccgat	gttttgatg	cgtatgatgc	tctacctcga	ttcattcaaa	720
ttcttcggcg	ccatgttcgt	tgtcctgaga	gtgatgatga	aggagagctt	gattttcttt	780
gcccttcttt	tcgtcatcat	tggaggattc	ttccaggcgt	tttacggaag	tcttcaccac	840
ggggctggaa	gaatccgacg	ctggcgctat				870

<210> 13375

<211> 267

<212> DNA

<213> A.fumigatus

<400> 13375

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atcgatctct	ccaagcgtcg	agtttctccg	gaagatgttg	tcaagtgtga	ggagagggtac	120
aacaagagca	aggcggttca	ctccatcatg	cgccatgttg	ccgaagccac	tcagactccc	180
cttgaggagt	tgtaccagaa	gatcggatgg	ccactgaacc	ggaaatacgg	ccatgctcac	240
gatgccttca	agatctccat	cacgtag				267

<210> 13376

<211> 531

<212> DNA

<213> A.fumigatus

<400> 13376

gatcaaccag	tccgtctaca	ttttttcgat	cgtatgactc	atcttatcaa	taggaacccc	60
gacgtgtggc	aggatgtgga	attccccagc	gaagccgtca	agaaggagt	gacacagtac	120
atcagcaaga	agctgactcc	ctccccgacc	aaagtcctgt	ctgatatcga	ggttacctgc	180

ttcgggctatg	aaggaatcga	cgccgtcaag	aatgctcttc	gtactgccga	ggcgaacaac	240
acccccgaga	accagatcaa	ggccaagctg	gtcgtctctc	ccctgtacgt	cctgaccagc	300
cagtgcctgg	ataagaactt	gggtatcaaa	ttgcttgagg	aggccatcga	gagaatcgac	360
agcgagatca	agaaaagccg	aggtggctgt	gtcgtcaaga	tggcacccaa	ggctgtcacc	420
gagcacgatg	acgctgccct	ccaggagctc	atggacaagc	gggagcgtga	gaacatggaa	480
gtcagcggcg	atgagagcat	gtctgaaaagc	gacgagggtg	tccttgaata	a	531

<210> 13377

<211> 1107

<212> DNA

<213> A.fumigatus

<400> 13377

catgaaacag	ctgtcaaatc	cgacaatgag	tcatgccaga	aggctatggt	ctccaatgcc	60
aaactacgtc	tccttatgtc	tttggttcgc	ttcgaacgtc	taggcatgga	ggatgttctt	120
ggagcctcct	gggtcgttcc	ctcatcactc	aactctcaag	aacttcggca	cacgagatct	180
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cccaaccac	gatcaagggc	caacgctcta	gagcaattga	agaaacaacg	caaaaagaga	420
cgcaagcaag	ccggagaaga	agaagaaccc	gacgaagaag	acttggaggc	acgacgtcga	480
gcacgcctgg	aaaatgcttt	agctcgacaa	gcgaaaataa	agagcgatct	gtatatccac	540
gccagtgcag	aggaaacaga	tgaagaagca	gaccaggaat	tctttcgact	tgaggagcag	600
agacgaaaag	aacaggcaga	aagaatcagg	aaagctctgc	ttcacggggt	cgtcgaggag	660
gtcagtgcga	actcgcgaaa	gaaaagcagc	gggcgtaagc	ggcaaagcga	tcaatacact	720
gcctcgaccg	cagatagtca	gagcaagcga	cagcggcgcc	tgcaacaaac	tgaagggtct	780
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caaggctcac	cttcttttaa	aggtgctaac	gacgtcgaag	acacacttgt	tacatccgaa	900
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gtccttagtg	cggagaacga	cgacagcgat	accgaacccc	ctgcacctga	tactatagat	1020
gaagacggtg	aagaagcagc	ggctgtcgct	gcaccgcctc	ggcgaagagt	gcgggctggg	1080
tttgtcatcg	aaagcgatcc	agagtga				1107

<210> 13378

<211> 2157

<212> DNA

<213> A.fumigatus

<400> 13378

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ggattttctca	gtcatggtag	cggcagcatc	ctccgaacta	tcattccgaat	cggcctcccc	180
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gatgaagagg	aaacgtcaag	atcggcgacc	atcaatgctt	ttcagaatca	agatgctttc	360
gctcttctcc	taacctatgtg	ctccaatgtg	ggagaagatt	tcagccttca	agatgtgggt	420
ctcctcgaaa	tattgttcca	tattgtcaag	ggagtcaacg	tggagaaact	cttcatgaac	480
gacgcccac	gaaaggcaaa	gcgcacagac	gaactgggtg	aactttttaca	gaaggagtcc	540
tctctgcggc	gggaatatgc	gaaaaatgcg	ccaactcggc	atggtaggtt	tgggacaatg	600
atttgggtca	aacgcgatga	cgccaagggtc	tccacgggtg	cgggacaaga	tgtgctcaaa	660
gatagccaga	caacctcca	caagatggat	cagagcaaga	agtggaaaca	gcctcagata	720
cgtcgaagag	cagccgaggt	gacggcaaac	aacgacttta	atacgctgt	caatatcaac	780
tcgacggcga	ccaagaacct	acggatgttt	gtagaagagt	ttttggatto	tgggttcaat	840
ccactcttca	ctcagcttgc	aaaagccatt	gaacgtgaag	ctgatcgagt	gatggatatc	900
aacacaagac	agttctttta	taccgttgcc	tgggtttctg	aagccgagcg	tgtgcggcga	960
gcacatcaac	gcgaaatagc	gcactctgggt	gacacgccgt	taaaggagat	agaacccgat	1020

agttttgctg	tcgttgccag	cgctctcaac	caggaaacat	ttgtttttct	gaaccgctca	1080
atgcaataca	gctatgacaa	caaagacgtg	gaagacctta	ctgcagaaat	gcgctgtttc	1140
acgcagattc	tggtgactgt	acaagagatg	gctcagtcac	cacttgaaga	agatcaagag	1200
atcgccgata	acatccagaa	ccgaattttc	tacgaagaaa	ccacccatga	cgcgcatgct	1260
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acattcatcg	cttttaccac	gtactataga	gaattgaatg	tggaccaatt	gaagcgagcc	1620
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gacatcatca	acctcttcta	tcgcatgac	aaaggctcgg	gtgccttgga	ctcaaacaag	1740
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attgatcaac	gcccggcctt	gatcacagag	ctgctgttca	gtaagatcaa	ctcgaccgtc	1860
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gagctggagg	ttgaaccacg	agaagccaag	acaatcgacg	agaaaataag	gatagtgtgt	1980
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tcggcagctg	atgagagaga	ggcctgggaa	agtcaggaac	agcactcagg	aggacaaaaa	2100
gctcccaacc	caatgattcg	tacgtcttct	ggtttctcct	ggctggctcg	acggtga	2157

<210> 13379

<211> 2460

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (2383)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13379

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acggaacaaa	ttgttgactc	tgctaccgaa	agtgcagcag	acgaaacact	atctgacgaa	180
gctcttgctc	gcaagcttca	agcggagttc	gataaagagg	gtgatgcgcc	ggccgtggag	240
catgaggttc	caaatacata	gcttatccag	gaaccttacg	ccccgacaga	gtcagatagt	300
ggaccgctta	agaaagtccc	gaaaaccaat	acaatctcat	tgcagtcttc	cgttgggaca	360
gaagatacaa	taagtctttc	catccctttc	gaccagagtc	cgttgacgtt	cgactcgaca	420
aaatgcgcgg	cagagttgca	ggtccactgg	gctacggagg	gtggaaacgc	ctcatatgct	480
ctgctgacta	gagcgtttgt	gttggtgcaa	gcaacgacta	gtcgaatcag	gattgttgat	540
accctgggtc	atttccttcg	agttctgatt	gaaggcgatc	cttccagtgt	tttaccagca	600
gtctggctag	cgaccaactc	gatttccccg	ccatacgacg	aattggagct	tggtttgagg	660
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aagattgcga	cgagcaaagg	gagtggtagt	caggagtcca	agcagagaat	cgtggagaaa	900
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aatttaagaa	tcggggccgt	taaaacaaca	atgctcatcg	cgctggctcg	agcctttcta	1020
tattcaaagc	ctgaaggcgc	agagtttacg	atacgttcac	gacaagatct	gacgcgacta	1080
aagaaggagg	aactggccga	aatctacagc	cgggcgggaag	aaatcgtgaa	ggcatcatat	1140
gctaggcatc	caaactacaa	cgacttagtt	acatgcttac	ttgaaagtgg	agttaccgaa	1200
gaacttcttc	tgcggtgcgg	cctgcagctt	catgtacctc	tgagacccat	gttgggcagt	1260
atcacgagag	atctctctga	aatgctaaca	aagctgcaag	gacgggattt	cagttgcgag	1320
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ttttctcgcc	atttgaggaa	tatgacggag	aagtaccag	accttgtgtc	cttgggtctcg	1440
caaatcagag	gagagagcgt	ctctagcttc	atattggaag	gagaagttgt	cgcagtagat	1500

aacaaaacgg	gtgaactcca	gacgttccaa	gttctgacaa	atcgagcaaa	gaagaacgtg	1560
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aagggtgctt	acaatgcacc	caagacgagc	cttgaacaga	ataaggaggc	ctccacgagc	1860
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caaggccgaa	aagccaaatg	gtgggtcccc	attctgatgg	ccgtccgcaa	ccctgaaacg	2100
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tactacggcg	aacctgacgt	ctggttcgaa	ccgcaggagg	tctgggagat	ggcattcgcc	2280
gacatcacct	tgagtccgac	gtacacagct	gccatcggtc	tagtgagcga	cgcgcgggga	2340
ctgagcctcc	ggtttctctg	gtttctcaga	gtaagagacg	acnaatcaat	agatgaagcc	2400
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<210> 13380

<211> 348

<212> DNA

<213> A.fumigatus

<400> 13380

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aaagcctcca	acgaccatgc	cgaagccaca	cgaaagcgag	ccgaagcctt	caaggaggag	180
caagaggata	tcgataagcg	attgaaagcc	ataacagggt	ccaacgccag	cgatgaggca	240
gcaaagcgct	ttaaagttag	catagacaag	ctccgacggc	tgagagatctc	gaagggttat	300
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<210> 13381

<211> 183

<212> DNA

<213> A.fumigatus

<400> 13381

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aacttcccc	ctcttcctga	cgacgcaaag	catgaagatg	gcaccactgc	gctgaacaga	120
tattcttctt	atatcactcg	gggccatgac	tttcttggtg	ctcgggtttg	ttaccctcat	180
tga						183

<210> 13382

<211> 270

<212> DNA

<213> A.fumigatus

<400> 13382

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aagaccgtga	agaaggccgt	tacagatcag	ggtatgatcg	gttggcagta	taataccatt	180
ggagtttcag	atgccatttc	aatgggtagt	gagggtgagc	gtattcaggg	cttgaggagc	240
attgctactc	tctgcgtgag	atattcctga				270

<210> 13383

<211> 1467

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (853), (860), (862), (892)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13383

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<210> 13384

<211> 444

<212> DNA

<213> A.fumigatus

<400> 13384

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<210> 13385

<211> 3519

<212> DNA

<213> A.fumigatus

<400> 13385

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<210> 13386
<211> 432
<212> DNA
<213> A.fumigatus

<400> 13386
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tccgcgaatg gaatgacgga tcagccgatg ctttcggata tcgcgcagaa tggcggtgct 180
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gatccgcgtc aa 432

<210> 13387
<211> 633
<212> DNA
<213> A.fumigatus

<400> 13387
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agagcccaga aagatcctga aggtatggtc tag 633

<210> 13388
<211> 198
<212> DNA
<213> A.fumigatus

<400> 13388
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aagaacttat tcggtcaacc cttgcagatc aattctgtcg tgttcttatt ctcttatttg 180
gagctgcttc aagaatga 198

<210> 13389
<211> 255
<212> DNA
<213> A.fumigatus

<400> 13389
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ccccccaccg ccggtgagca aacttcgccc ggggaagctg ttgaactggt tcagggtcaa 120
ggcgctgggc tcaacttcga tctgatcact ttccgttcca gaggggatga gaagagcgtt 180

ccaatccatc cctcggagaa gatcgatggc gcttctctgc accagagctc ccagacgggt 240
atgactcgta ctga 255

<210> 13390

<211> 1134

<212> DNA

<213> A.fumigatus

<400> 13390

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<210> 13391

<211> 363

<212> DNA

<213> A.fumigatus

<400> 13391

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gagcttggcc tcagcaagag cctcttcaat ggggatgggt acacgctcaa gcagaggctt 300
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<210> 13392

<211> 600

<212> DNA

<213> A.fumigatus

<400> 13392

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gaaccaagcg	ggaacgctga	ttgtgacgtc	ggagacaggg	agcttcagct	ccttggtatgt	480
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<210> 13393

<211> 510

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (68), (200), (377)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13393

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<210> 13394

<211> 426

<212> DNA

<213> A.fumigatus

<400> 13394

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<210> 13395

<211> 708

<212> DNA

<213> A.fumigatus

<400> 13395

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<210> 13396

<211> 609

<212> DNA

<213> A.fumigatus

<400> 13396

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aagtctcccg aaaacaagca agtcagaact gccgagatcg aacagattgt cgccgaggaa 420
cggagtagca ggacaaaaat gccaaaatat cctggtctcg agcggatatat cttactggag 480
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gatgaggttg ccattaaagt tgtgcggaaa ttcgaaatga acagccatca ggtaggcagt 600
cagccctga 609

<210> 13397

<211> 189

<212> DNA

<213> A.fumigatus

<400> 13397

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actgccgagg gcgatttcat tggtccttgt gattgttccg atggcactcc ccaagcattg 180
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<210> 13398

<211> 978

<212> DNA

<213> A.fumigatus

<400> 13398

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ctcctgggga agattcgcaa cgagcctgtt tataagctca tcggcggtgc taccctgacg 180
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 <211> 222
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 <213> A.fumigatus

<400> 13399
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 tctggtcctt tctcgtacat cttatccttg atcgccacg ccaagggaaac aaccgggtgc 180
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<210> 13400
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 <212> DNA
 <213> A.fumigatus

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 aagattgtgt gcctgtattg cgcggcatgg gaggggtgatt tagaaaagca tccgcctcga 180
 acattttctt cacaatctc cgtctgttag 210

<210> 13401
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 <213> A.fumigatus

<220>
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 <222> (73)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 gtcgcacaac tgaactcgag gctagtcaaa ggaagatcaa actactctga ggcagatgcc 180
 tgcaatactt accagggtaa ggccgcacatg tga 213

<210> 13402
 <211> 549
 <212> DNA
 <213> A.fumigatus

<400> 13402
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 ggacaaacat gctatctcaa cgctatcctg cagactttac tgcatgatcc catcttgaat 180
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<210> 13403

<211> 765
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 cgggccaatgg gcggtggtgt cgggccttca gcgacaccta cactaaatgg ttgcctagag 300
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 aattcgttta tgatctctct tctgcagttg tccacaaagg caaattggac gctggacact 660
 actacgtcta ctgcaagcag ggcgaccagg tttgtgtatc cgttatctag tggcctatgc 720
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<210> 13404
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 13404
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 ccactttctg ctgaaattac ccgtttcaat cccgcaaagc agcattccta ctctgtagaa 180
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<210> 13405
 <211> 381
 <212> DNA
 <213> A.fumigatus

<400> 13405
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 cagactgaaa tcaagagtgt tcttcgtcag tgcatctcac tggtaatggc cgtcaaggac 180
 aatatcatgc agctctgccg gtttttcaag gccattagct cgaccattga tgcgtttgtg 240
 gaacacacag tgaacgactt tatcgagacg atcagcagtg gagccagcga cgtgcagatg 300
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 ctgcgcgcga gttccactg a 381

<210> 13406
 <211> 339
 <212> DNA
 <213> A.fumigatus

<400> 13406
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 aagatgattg acggctctgag tgtggaattg accaaagacc agatggcaac caaggtggcc 180
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<210> 13407
 <211> 276
 <212> DNA
 <213> A.fumigatus

<400> 13407
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 actttcctct caacgcaaaa gatatatcag gaggcctcgt ccacccttat tgagcaggag 180
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<210> 13408
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 <212> DNA
 <213> A.fumigatus

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 gggatcatca aagacaaaaac gccgaccgcg gtcgatgtcg acgccgaggt caagcagtgg 180
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<210> 13409
 <211> 183
 <212> DNA
 <213> A.fumigatus

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<210> 13410
 <211> 192
 <212> DNA
 <213> A.fumigatus

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 tccacctaca cgagcgttca ctttccagga gagttgggga ttggctggaa gaattattctc 180
 aggcggcggt ga 192

<210> 13411
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 13411
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 tgccgggtttt cactggaaa cattcccacc gtcacgaaag gcatggagaa ccctttgacc 180

gatcttgaca acaagccacc caaccgcatt atcaaactcg atactctacag ctga

234

<210> 13412

<211> 3999

<212> DNA

<213> A.fumigatus

<400> 13412

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gatagcctgg	gcatccgatg	gggtcaacga	agcaccgtcg	aacttcggga	tattggcttg	180
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<211> 261

<212> DNA

<213> A.fumigatus

<400> 13413

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<210> 13414

<211> 1473

<212> DNA

<213> A.fumigatus

<400> 13414

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<210> 13415

<211> 1032

<212> DNA

<213> A.fumigatus

<400> 13415

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<210> 13416

<211> 324

<212> DNA

<213> A.fumigatus

<400> 13416

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cagaagataa	acaagcgaga	gtacaagaac	ttcgcgaggt	ttgtgcgaga	ctgcgctctg	180
gtaagtcttc	cacccttttt	gttattatgg	aaccacctag	tcataacttt	tactcatgct	240
gttatcttct	cttttagatc	cctcacaatg	cgcagacata	taatcggcca	aattcacaag	300
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<210> 13417

<211> 558

<212> DNA

<213> A.fumigatus

<400> 13417

tccggatatg	tagctttgtc	tggcaagcgt	tcaaagtgtc	gcaccttgag	catgccaaaga	60
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tcgacacgcg	gaggccggcc	ccgcttcttt	ctgagctctg	ggctcggtga	tttatgccca	180
tcacctctcc	ctgcgtctcg	tttccagcca	gggcgggggc	cccgttctct	tttgcgacga	240

ccatcatcat	ccgaatcatc	ctcgtcatcc	tcgtcatcat	cgtcctcatc	ttcctcatct	300
tcctcctcgg	gaagaggatc	cgcctccgga	atctctccta	gatcgggaag	ctcggcttct	360
tctgcggtga	tgatcccttg	tttgaccagc	ttttcgaatt	ctgctatgaa	cacgtcctta	420
tatggggaaa	gaggatcagc	accacgggat	tcaccaacgg	atatcgagtc	aaagtcttta	480
cgagtggtag	gaacctttat	gacgagcgca	tcctcgtatg	cttgtgaatt	tggccgatta	540
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<210> 13418

<211> 606

<212> DNA

<213> A.fumigatus

<400> 13418

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cgtcctccgt	ttttctccta	tggatcctat	ccatcttcat	cagatttccg	ggagaatgag	180
cctgtataca	gtgactggac	atcttctcag	ttcccacagg	cacactttgg	accacagatc	240
aattatgaac	cgtcccctag	ctatgtcgaa	aaccccgag	gcccccgagt	tggcactgcg	300
gaacgatctg	tgaactccaa	agttgccatc	ccccggtcag	cgaacccccag	tagttggacc	360
agcagcgggc	gagtttagcc	ggcctgcgaa	aactgtcgtg	agcagaaagc	ccagtgtaac	420
ggtcacogcc	caacctgtca	aagatgccag	gagtcgggta	tccgttgctc	atatggcgac	480
cgcaagcgag	agaagatggc	aaagtgcgtt	tttttttttt	tttttttttt	tttttttttt	540
tttttttttt	tttttttttt	tgccattctc	ttctttgttc	tgagaagatc	gagaagattt	600
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<210> 13419

<211> 270

<212> DNA

<213> A.fumigatus

<400> 13419

actccaaagt	tgccatcccc	cggtcagcga	accccgatg	ttggaccagc	agcgggagag	60
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cctgtcaaag	atgccaggag	tcgggtatcc	gttgctcata	tggcgaccgc	aagcgagaga	180
agatggcaaa	gtgcgttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	240
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<210> 13420

<211> 438

<212> DNA

<213> A.fumigatus

<400> 13420

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gtagtgctag	acgtcccact	atcggtctgc	gcacgagaac	tgctcgcgtgc	agatgagggc	180
aaaggaattt	ctgtagatac	caacggagtgc	attgtcccca	agtacccttc	tgctggaagt	240
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ctgatccctg	tagacgaagc	caaagtagcc	tctggagaca	acaacgggtgc	aactgtcccc	360
aaataccctt	ctgccgaaag	cactgacgat	ccaggaacct	cagtagaggc	gtacgaagcc	420
tgtggcaccg	tcgtctga					438

<210> 13421

<211> 1833

<212> DNA

<213> A.fumigatus

<400> 13421

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agtcctggac	atatagcata	ttctagcctg	ctgccactcg	ataaacatgt	actagcggcc	180
ttagatgaag	cgaatggtgg	tttggatgtc	attcctatta	ctccttcctg	gacggcggat	240
ggtactcaga	cgacggtgcc	acaggcttcg	tacgcctcta	ctgaggttcc	tggatcgtca	300
gtgctttcgg	cagaagggtta	tttggggaca	gttgaccgt	tgttgtctcc	agaggctact	360
ttggcttcgt	ctacagggat	cagttctcgt	gccacagtgg	atagtgggtc	gtccagctct	420
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cattcgctccg	cgattgcttc	gtcgctccga	gaagctactt	taccctcatc	ggagtcactt	660
gtgattgtca	ttccgaccac	cccctactca	cattcggcgt	cccaccagc	gtcaactccg	720
agtgtgtaca	attctacaac	ctcaacctcg	atccatctta	tcaagcacag	accgacggca	780
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atttgtcctg	ttacgccggg	ggtgatgact	gtgacctcta	ccaagactga	gactgagacc	1740
gaaacggtga	ctaaaacgga	aaggggagact	gtaacgcaga	ctgttacgga	gactctgacg	1800
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<210> 13422

<211> 228

<212> DNA

<213> A.fumigatus

<400> 13422

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ctcacattcg	gcgtcccacc	cagcgtcaac	tccgagtgtg	tacaattcta	caacctcaac	180
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<210> 13423

<211> 249

<212> DNA

<213> A.fumigatus

<400> 13423

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cacacccacc	acgacaccca	gtctgaccgt	tgggtgtcgt	ggaccattgt	ctggtgtctg	120
gacggccagc	tcgtctcctc	cagctactct	ctttgcaacg	gctctgtcag	agactccttc	180
tttaacgcca	acgggtgaccg	aaaccgcgac	gtccagccag	actgccagtg	tcgtagaacc	240
gcaacctga						249

<210> 13424
 <211> 1563
 <212> DNA
 <213> A.fumigatus

<400> 13424
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 agagacgtgg cccgtgaacg ggaatgggtc ggtgactcga gatcgagtcc agaacctgat 180
 cttcgatcac ccattgaacg attcagaaag ccaccaaca aggccttttc cgtaacggat 240
 ctgatctccc ctgcatgggt cgagctacag tactggtata ccttgacca gcatgggagg 300
 aagaggagaa cgcctgctat gaagcagggg agtactattc aaaaaacgct tgaggatgag 360
 gtacacacga ctgttcccgt ggagatcaca accaaggaa atgcggttagc cttgaggctg 420
 tggaatgtca tacagggtct acggacgctg cgagaatatg gtcttactcg ggagctggag 480
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 ggcgggaaga ggctgtcaga gatgacgtgg aaggatgaac ctgatgagca tgtcgaggat 720
 gctcccagta ccgaatcgtc agaggcggtt aacatccctc gagtctatct cacagacatc 780
 aaaacacgag ccagcggctc cataccact atcaagagca cgtcatttcg gccgacgctg 840
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 attgagacgc tcgcctctcg ctacgattta gacctcaac gtactttcac cgacgctttt 960
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 atcatggaag catggaaatg ccgcatatgc gaattccgcg aggaatgtc ttggcggcag 1500
 gaaagagaat ggtccatagc gaggcggaag aagggtctga agggctctga tgctactgtg 1560
 tga 1563

<210> 13425
 <211> 777
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (102)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13425
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 gacccccagg gggacttgcg cggaattca tcccaagaga acctggcact tatgttcgaa 180
 aagccccagg gcgagtatta cctcttcgca ggcgcgatct ttctcgccgg cttctggcgc 240
 ctcaagaca aattcggcat gcgcctctca gagatccaca cctccggcga cgtgccgggc 300
 ttcaagacca agctcgaaaa gggatgatg aacttcttcc gccggattcg gcctgaagac 360
 cccgtgcttc gcaacaacta cttcatccag gtcgacaacg agctcgccctg gtcgcatagt 420
 atcgggtccg aggacgcggc cgtcgtctcg tggaacaccg cgcagaagaa caaggccatc 480
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gtgcctgggtc	ggcttgccctc	tgcgattcgg	agttggggatg	cggatgtggc	gcggtacaag	660
ggccgggaaa	agtacgagga	ggtgttgctg	gagtatctgg	ataagaagca	cgcgagcag	720
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<210> 13426

<211> 414

<212> DNA

<213> A.fumigatus

<400> 13426

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ctcgcatcta	acaacgggct	tctagacgcc	cctcaatgta	cccgacaatg	gggaaattgt	180
tgctactatg	accaggcaga	ccgacgaccg	gaaagtatgg	tacgagtgga	tggtcgaagt	240
attcgctctg	gaacgcattg	cagatgcacc	ggcaatagaa	ttgcccata	tgagcggcgc	300
acggggcggg	tctccagctg	cagacgggtc	ccgcgcaaaa	ggcaatggca	ccgacaagcc	360
acagaaatct	ggaaagcgca	gcggtttccg	acgagtggag	gttggaatga	gtga	414

<210> 13427

<211> 954

<212> DNA

<213> A.fumigatus

<400> 13427

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ccagaaaatc	caactgttca	agctgccatt	atcaagattc	agcaagagga	aaataatggc	120
cactacctgt	tagacctctg	ccgccgatat	acctctggaa	aggacgagaa	tgccggaaaag	180
gatgcagcta	tctatctccg	caccgatggt	cttaaccctc	cagaggaggt	ggctttggaa	240
tccgtcaaac	tcatactagc	gcgcgaacct	tctagcctat	cttcgctcca	agatgatatt	300
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gaaagcgaac	tctttcagct	cttcacgcgt	aagctcatgg	aatcgggaca	tgacttggtg	540
ggtcgggtccc	tgaaaggcat	tgccgcgccta	ctcgcgggtc	atgcgggtcaa	gctgcaacat	600
cttggtgatg	acgaaggact	tgacgtgatt	cttgccctct	tggacatccg	acttcctctc	660
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tccctgttcc	tgtcggaaaag	tttcattagt	tctctcaagc	catttacctc	gaagaacctg	900
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<210> 13428

<211> 951

<212> DNA

<213> A.fumigatus

<400> 13428

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cttcaatccc	gacttttgct	ccgactcaaa	acgcgacttc	tgtcccgaact	tcagtcccga	180
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agaacactac	tggtgtccca	ccccccaggc	ccgctccttt	caccaacagc	actgttctct	300
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gccagccttc	tgttcccggc	cagccctctg	ttcccggcca	gccttctgtt	cccggccagc	480
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tcaactggctc	tgttccccag	ttcgagcctg	ccgccggtct	cctggctggg	atctggggtg	900
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<210> 13429

<211> 378

<212> DNA

<213> A.fumigatus

<400> 13429

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tcccggccag	ccctctgttc	ccggccagcc	ttctgttccc	ggccagccct	ccgttcccgg	180
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tcccggccag	ccttctgttc	ctggccagcc	ctccgttccc	ggccagcctt	ctgtccctgg	360
tcagccctct	gcgccctga					378

<210> 13430

<211> 1098

<212> DNA

<213> A.fumigatus

<400> 13430

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ccacctgacc	ttttcaagcg	catgtgtctt	aatactatca	tcgcagtttc	ccacacgaaa	120
gtcacttctg	gaaccaagac	tttgactatt	cctatcactc	tgactagtac	aatcactgtg	180
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gcgccctgagc	agccttctgt	tcctggccag	ccctctgtgc	ctgagcagcc	ctctgttccc	960
gagcagccct	ctgttcccgg	tcaacccact	gccgtctcgc	cgccgccagc	tgagactgct	1020
ctcaactggct	ctgttcccga	gttcgagcct	gccgccgggc	tcctggctgg	tatctgggtt	1080
gtcatgtctca	tgtcttag					1098

<210> 13431

<211> 549

<212> DNA

<213> A.fumigatus

<400> 13431

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gggttcaatc	agctcaagac	acaggggtgg	ttcacggtac	cccaggcagt	cctcgagggc	120

cccaaggccg	agttttgagag	cgagcgggtg	agcaacggcg	agaccattga	ccagattaag	180
tccacctaca	cctcttcgtt	cccctccaat	ttcggccctg	gcagcgccaa	gagctccaag	240
actggcggtt	acattctcga	ccctcactct	gccgtcggtg	tgcgggcagc	tctgcggtct	300
atcgagcgga	atcctggtgt	caagcatatc	tccctctcca	cagcccaccc	ggccaagttc	360
gccagcgccg	tgcacctggc	ccttggcgcc	gaagacgggt	atgacttcac	cgaggttctt	420
cctcaggaat	tcctcggtgt	cgagcagcgc	gaaagccgag	ttactcctat	ccgcgcgggc	480
gccggatggg	taggtgtccg	ggaagtagtc	aaggccgaag	tcgagcagga	gctgcagggc	540
ttgaggtag						549

<210> 13432

<211> 495

<212> DNA

<213> A.fumigatus

<400> 13432

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<210> 13433

<211> 816

<212> DNA

<213> A.fumigatus

<400> 13433

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gggggggtgg	acaacagtag	tggtctggcc	ggggacaccc	gttgggacaa	cctttggagg	780
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<210> 13434

<211> 225

<212> DNA

<213> A.fumigatus

<400> 13434

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ggctacgcat	acctcgtcat	tgcccttggt	tggcacaatg	ccacccaagg	ctggcccagc	180
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<210> 13435

<211> 465

<212> DNA

<213> A.fumigatus

<400> 13435

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<210> 13436

<211> 2715

<212> DNA

<213> A.fumigatus

<400> 13436

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<210> 13437

<211> 417

<212> DNA

<213> A.fumigatus

<400> 13437

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tcttcatgct	tgtgtttctg	ctcattttcc	tcctcgatga	gttcttgcgt	ctccttgata	300
acctcaagac	gctgcttgtt	ggtggcagcg	ccctcggcat	tatggacctc	gagctcaatt	360
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<210> 13438

<211> 1140

<212> DNA

<213> A.fumigatus

<400> 13438

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gaaaagcaat	ccaacgaggc	tgttgaggct	gagaagggaag	gcgataaggc	cgagcagaca	1080
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<210> 13439

<211> 183

<212> DNA

<213> A.fumigatus

<400> 13439

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gccccctctc	tacctttcct	tttcttggtg	attaatttcg	ttgacttgct	aaaatcgatg	180
taa						183

<210> 13440

<211> 486

<212> DNA

<213> A.fumigatus

<400> 13440

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<210> 13441

<211> 651

<212> DNA

<213> A.fumigatus

<400> 13441

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<210> 13442

<211> 804

<212> DNA

<213> A.fumigatus

<400> 13442

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<210> 13443

<211> 267

<212> DNA

<213> A.fumigatus

<400> 13443

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<210> 13444

<211> 2334

<212> DNA

<213> A.fumigatus

<400> 13444

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<210> 13445

<211> 501

<212> DNA

<213> A.fumigatus

<400> 13445

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catggcttcc	ccagtcttca	ttccctgaac	caacgcagtg	gctgtgacgg	agacgtcgga	240
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atcgccgatt	gtgatcagga	aggacttgga	gcctacagca	ggcaaggaaa	ggacacgggt	360
ggcagcctcg	ctgatcagct	cgacgcgatt	cggcgcaagg	gaaggaagat	agctggtaag	420
gctggcatcg	acggcgggga	gtttcagttt	gcggggagtcc	acagtccttg	tcatccgagg	480
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<210> 13446

<211> 300

<212> DNA

<213> A.fumigatus

<400> 13446

caaagggagg	tcgatgggtt	tgggatactc	ggtggagtct	ctgtcaagga	ggatgagtct	60
cttgtctctc	tcagagccac	cctcaccacg	gccaacgacc	gagaaaccac	aacgctcacg	120
atgagcgatg	gcggtgaatt	tattcatgcc	ttcctcgcca	actgcgagga	catatctttc	180
ctgggcttca	cagcaccaaa	tttgcattgg	gctcatgctc	ttgtcggcgc	tatcgacctc	240
acgaagctca	aaagtggcac	cgagtcccca	atcgtgaatc	agctcgggaa	gcgcgtttga	300

<210> 13447

<211> 990

<212> DNA

<213> A.fumigatus

<400> 13447

gagcccaccg	gcaccgacgt	cgtgaatgaa	cttgataggg	ttgttctccc	ccatagccac	60
gcaagcattg	ataacctcct	gagctctacg	ctgcacctca	gcgttgccctc	tctggacact	120
agcgaagtcc	aagtccgcag	atccttcacc	ggatgcgacg	ctggacgcgg	cgcctccgcc	180
cagtccaata	agcatggcag	gacctcccag	aacaacgagg	taggagccgg	gcttgacggc	240
ctcgggtttc	ttgatagcat	gctgtggctg	gactgtccca	acgccgccag	caatcataat	300
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agtacggaag	taccccgacg	tacagggacg	accaaactca	ttgttgtagt	gagcgctgcc	420
aatgggagcc	tccagcatga	tgtccaagct	gctcgcaatg	tggttgggct	tgccaacatc	480
gagctcccaa	ggctgcttca	gatccggaat	caggagatcc	gaaacgcagt	atccagcaag	540
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cttgccatcg	atcaccagg	aagcgttgaa	ctgcttgga	cgacagtgt	cagagttgac	900
ctgagcgaac	atgaacagtt	cgacatcggt	agggtcacgc	gcgaggggac	cattggggccc	960
gtaagcatca	gcgagatagt	caatctctga				990

<210> 13448

<211> 237

<212> DNA

<213> A.fumigatus

<400> 13448

gcgctgccaa	tgggagcctc	cagcatgatg	tccaagctgc	tcgcaatgtg	gttgggcttg	60
ccaacatcga	gctcccaagg	ctgcttcaga	tccggaatca	ggagatccga	aacgcagtat	120
ccagcaagac	cggccttggg	cttggagcct	ctgccgactg	caccctcatc	ccgaatctcc	180
cccccagagc	cggtggcagc	gccggggaaa	ggagagacag	cagtgggatg	gttgtga	237

<210> 13449

<211> 558

<212> DNA

<213> A.fumigatus

<400> 13449

gtcctggcat	acgctgtcca	tgcacacgtc	ctccactcca	agaaatatag	tgtcgcaaag	60
taccatgaaa	catggtacca	ttaactgcgc	gcaccgtttc	ccctcacagc	gcactatgat	120
cacccaccg	tgtacctcct	cgccaacttc	atcccaacat	acgcacctgc	catgctcttc	180
cgctccaca	tgctcaccta	cctcatctac	ctgtccataa	tatctattga	agagacgttc	240
gccttctccg	gatactctgt	gatgccgacg	agtctcttcc	tgggcggcat	tgcgcgtcgc	300
atggatgtgc	atttgctaag	tggggcgga	gggaatttcg	gaccttgggg	gattctggac	360
tggatctgtg	ggacgactgt	cggtgacggt	gaggacgaag	cggcaagtac	tgtagatgat	420
gcgagagtc	agcttagtgc	tagcctgagc	caggacgggg	atctcgacga	gaagattcgg	480
agggctgtgg	aggagtctac	gagaagggtt	agggatggga	gtcgtcggcg	gttgcgagg	540
aagcggaggg	atgagtaa					558

<210> 13450

<211> 384

<212> DNA

<213> A.fumigatus

<400> 13450

catggttgtg	cgtttgaaca	ggttcgcaag	gctattcgtc	ccaccaagct	cggggaaagc	60
cttcagcccg	gtactattct	gatcctcctc	gccggtcgct	tccgtggcaa	gcgtgtcatc	120
ctcctcaagc	accttgacca	gggtgtcctc	ctcgttaccg	gtcccttcaa	gatcaacggg	180
gttctcttta	gacgggtgaa	cgctcgctac	gtgatcgcca	ctagcaagcg	tgtggacatc	240
agcaacgtcg	accagagcgt	cctcgagaag	gtcagcgctt	ccgactactt	caccaaggag	300
aagaaggccg	agaagaagac	cgaggaggct	ttcttcaagc	agggagagaa	gcccggaggt	360
tgtggattct	gccgatcaac	ttaa				384

<210> 13451

<211> 240

<212> DNA

<213> A.fumigatus

<400> 13451

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cttttcagac	caccttcgtc	cccggtagcc	aatatgtcgg	actctactgt	tggccagacg	120
aagcagtttg	gaaagggcca	gaggaccgtt	ccggctcaga	aggcccagaa	atggtaaccc	180

gttgatgacg agccgcagcc caagaaagtc agtacgccct atacaaagag aaatacttga 240

<210> 13452

<211> 756

<212> DNA

<213> A.fumigatus

<400> 13452

tcagctagtt	tcggacccat	tcttgggtcca	attatatcgg	ggtttgcatc	tccctcgtat	60
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ctctttgtgc	ctgagacctt	cgggccgggt	ttgtcaagac	gcaatgcacc	tggattgggg	180
gatacagttc	caaagaacac	tgtcaacggt	gttcagattg	tcaagcgacc	tttggccatg	240
ctgctcttcg	agcccattat	caccttcact	tcgatata	tcgcgctggc	ttacgggtctt	300
gtcttctttt	attttcaagc	ttatccgatt	atttttgacg	gtttgtctcc	tgttctcctg	360
gctacactat	gcatgctgac	ttctcagggt	tctacggctt	cgatgtgcag	actacctctc	420
ttgcttttct	acctggtagg	tatatcattt	cctgtccctt	gcgccacgct	aatagagata	480
gtcggcgctg	gtgcagcctc	caccagtctc	gtcgcccttt	actgggatat	gacctacgac	540
aaagccaaga	aacacaacaa	gccatggcgc	ttcgggtgcag	aactccatcg	cctccctatc	600
tctgtctcgc	gcgcgctcct	cctcacagcc	agctcgctct	ggcttgcttg	gacctcccg	660
tcagcagttc	actgggcagt	gcccatcgcc	tctggcgtag	tgttcggttt	cggctaccag	720
accatcttcg	tctcgtctgt	gacgtacgtg	accgat			756

<210> 13453

<211> 930

<212> DNA

<213> A.fumigatus

<400> 13453

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ccgaatgact	ggccgggtaca	taaaaagttg	gccatcgctg	tcgcatcctt	tctcagtgt	120
attaattcgg	gcatcggggac	ctcgtcgccg	agcaatgcgg	tcccctacat	catgcaggag	180
ttccacgtgg	aggatgccac	gcaaagtaat	ttaccaacct	cagtgtttct	catcgggtac	240
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ctgcctacaa	ttaccgtggt	tactttgtcg	accgtagcat	gtgcgttgag	tccgaattgg	360
ggatcactac	tctttttccg	cttcactctgt	ggaacctagg	gctctgcgcc	tcagactgtt	420
gtgggtgggtg	tatatgcaga	catgtttttt	gatctcagag	aaagaggtag	agtgatggca	480
ttctatatgg	cggatgtgtc	ttggtgggtc	gtccagctta	atggatgcgt	atcggctgac	540
tgcgcatcta	gtcagctagt	ttcggaccca	ttcttgggtc	aattatatcg	gggtttgcat	600
ctccctcgta	tggctggaga	tggacattct	ggattgcttc	catccttgcg	ggctgtgctt	660
ggatctgcct	tctctttgtg	cctgagacct	tcgggccggg	tttgtcaaga	cgcaatgcac	720
ctggattggg	ggatacagtt	ccaaagaaca	ctgtcaacgt	tgttcagatt	gtcaagcgac	780
ctttggccat	gctgctcttc	gagcccatta	tcaccttcac	ttcgatatat	atcgcgctgg	840
cttacgggtct	tgtcttcttt	tattttcaag	cttatccgat	tatttttgac	ggtttgtctc	900
ctgttctcct	ggctacacta	tgcattgctga				930

<210> 13454

<211> 624

<212> DNA

<213> A.fumigatus

<400> 13454

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ggctaccta	tgcccaatga	tcctaattcc	cttgaactcc	cccgtcaga	gcccttgaac	120
gcctcgctga	aggccctcgc	cacaagcggc	caccagctcc	cttcctcaac	cagctcttca	180
atacttgccc	gattacaatg	ttccgctcag	agcgggtgtc	tcctcactct	ccctcccca	240
gcgactgtac	tcccacgaca	caagcccttg	cccacacca	agccacctag	caagtgggag	300

ctgggtcgac	gcaagaaggg	tattggcaag	tatagcaaca	aaccgggagc	tgcgctggca	360
gacaaggagc	gccgcaagaa	gctggtctac	gacgaagaga	aggggtgaatg	ggtacctcga	420
tggggctaca	aaggcaaaaa	caagtcagat	gatgagtggc	tggtagaggt	caaggagaag	480
gactggaaga	aggaagaaga	ggcggcggct	aagggcagtt	cgatccgtgg	cttgtcgcgt	540
gccgaacgca	aggagagaat	acgccgcaat	gagaggaaga	tgagatctaa	tgagcggagg	600
tcccgcaagt	cgggtggtgg	ataa				624

<210> 13455

<211> 840

<212> DNA

<213> A.fumigatus

<400> 13455

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gaagaaggac	tttaccgtgt	acccggtagt	ggtaaagaag	taaagcattg	gcaacggcgg	120
tttgatacag	gtaagctgag	ctggaccagc	gttcatatct	ctctcgctaa	ctgcgcagaa	180
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attgccggaga	aatgcgaggg	cgcaactacc	gccccgcagt	tgctgaagga	tgagctctcg	360
aaactgccac	cctacaacta	ctaccttctt	tttgcaatca	cctgccatct	caatctcctc	420
cactcgtatg	tcgatcagaa	caagatggat	taccggaatc	tctgcatctg	tttccagcct	480
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aacgaaagag	ccatatcttc	ttccggcagc	agtcaagcag	ctgcagagga	tgagccagcg	720
tatcgtcctg	agacagccaa	gagcaggaaa	cagaagccca	aacagattga	gacgtcacac	780
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<210> 13456

<211> 1410

<212> DNA

<213> A.fumigatus

<400> 13456

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cgcttcagg	tgatgcgagg	ccaggatgag	catgagtacg	cgcatgactt	caagacgctg	180
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tccccatcga	caagatcgtc	gctgcgacac	agtcgctgct	ctccattctt	gaccgacaag	420
cagcgccagt	ccctcagcta	ccacatcgac	tgcctgaat	ggcgcacatg	gtccaacccc	480
gaattccttc	tcagccacaa	aggcttgctg	ctcgacgaag	tcacccctcc	catccgcgac	540
gccatcatgc	acatcctcga	gacgacgctc	tctccagaag	ggtagcacia	ggcgtcaaaa	600
gccatgcgca	tcaaccactt	tctcggcgag	ctggctcgact	ccccccgcat	catgaacgaa	660
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caagcccagg	cgcgcatctt	cgcccagatg	catgatcccg	cgatgcgcgc	gggcccgtgg	960
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gagcagtaac	tcctctatct	gcccgcgcgg	gcgcggcagc	tcaaactggc	ccaggctcgc	1140
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tactatcgga	tccagagccc	tggtattctc	gtcgagttcg	atcaccactc	cgggtgtgtt	1260
ctgaataatg	aggagccgaa	gaaattccat	atccatacgc	tgtaaggagc	gcccacgggg	1320

ggcgattacg ggatggcgct gcgggccgctg attccggcag tggaggggct caacgggaag 1380
gagattacct gggagaagtc ggcgttgtag 1410

<210> 13457
<211> 564
<212> DNA
<213> A.fumigatus

<400> 13457
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cctctgcaag caaaatatcc agatcttccg gccgattact acatcccgaa ggactcctgg 120
ttcatccggg cgcgtctttt gaagcaaggc gtcacggccc cggggccgctc agctagtgtg 180
cagagcagca agagtgatct ggacgagctt cgcgctcgat tcaacgtctc cagcctgtcg 240
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cagaacgtga tccgcgcgga gggcgagacg gactggcatc ccatcagcaa acgatacttc 480
aacaaggaga aggagatcac gagcccctat cctttcctcg acgtggcgtc ggacttggtg 540
gctcaactgg ctgtcgccag ctaa 564

<210> 13458
<211> 243
<212> DNA
<213> A.fumigatus

<400> 13458
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ccaaccccgga attccttctc agccacaaag gcttgcgctc cgacgaagtc acccctccca 120
tccgcgacgc catcatgcac atcctcgaga cgacgctctc tccagaaggg tacgacaagg 180
ccgtcaaagc catgcgcac aaccactttc tcggcgagct ggtcgactcc ccccgcatca 240
tga 243

<210> 13459
<211> 519
<212> DNA
<213> A.fumigatus

<400> 13459
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acgagatcga cagcgggtccc tacgcaggca cccgcatcat gcaagtcgag gagcggcttg 120
gcctgcagct catgcagtcg ctgcgccctg agctccaagc ccaggcgcgc atcttcgccc 180
agatgcatga tcccgcgatg ccgcccggcc gctggaacaa ggacgaccag cgccacctct 240
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cggaacccca gaaacaactc ctctacggca ttctggagca gtacctctc tatctgcccg 360
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gctggattgg cgggttcgac gaccaggacc ctttttacta tcggatccag agccctgtta 480
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<210> 13460
<211> 1419
<212> DNA
<213> A.fumigatus

<400> 13460
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gtcgcaggcg gctgtcggcg cagcttggcc catttcttca gcacgactac cgcaatcatg 120

acgccacgag	agactcgaat	tttgtcggtc	cgacgactaa	acaaagaaga	ccccgggacc	180
cgatcactcg	cagaatgggtg	ggcaagcgaa	cgacgccaga	agacgcctga	atcctcggcg	240
atcgaagagg	ctgcccattct	tctccgaacg	agcgatatac	ctgttgcat	tcctacagag	300
acgggtctatg	gcttgggagc	tgatgcaaca	cggagtgtctg	cagtgcaggg	gattttacaag	360
gctaaacagc	ggccgtcaga	caacccattg	attgtccata	tcgattccat	agagatgcta	420
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tttgggtgtgc	gtatgcctgc	gtcaccgctg	gcgcgcctat	taatccatgt	tgccggaccgg	660
ccgctcgcgg	ctccttcggc	taatgcgtct	acgaagccct	ctcctactgc	ggctgaacac	720
gtttatcatg	accttgaggg	gcggatcaat	ctgataactcg	atgggtggccc	ctgtggggta	780
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ggagtccgga	ttgaggaact	aaggacagtt	cctggatggg	agaatgtcca	aatcgcgtat	900
catgatggca	atctcgacgt	caaggaggctc	cctcgggctc	ctggcatgaa	ataccggcac	960
tactcgccca	aggcgcgtgt	agtattattc	tgcgcgggt	ctagcgagga	ggagatcgcg	1020
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<210> 13461

<211> 813

<212> DNA

<213> A.fumigatus

<400> 13461

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ggggcggata	aatatgccc	ccaggat	gaaagc	gaggagc	agcttg	tcgcctg	gta	180
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gaacgagaag	ctgaggcgg	aaaaaag	cgcg	aacatga	cgctgcag			300
gcagagcgg	gacggcaag	gcttttt	gatg	ctgatgat	caatgaag			360
actgcggcag	cagaggcgg	agacctt	ctc	ctctgatt	tacgcct			420
ccagaagatg	aaatcctgt	cgccatt	ccg	atctgtg	catgggc			480
tacaagtacc	gtgtcaagt	acagccg	ggc	acggtaa	aaggcaa			540
atccttggcc	ggtgggtgg	agaaacc	cacc	accggaa	agggtg			600
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aaggcatgga	gggatacgg	gatcatta	ac	actgtgc	ctgt			720
actggaggag	gggctactg	aagtgcag	ca	aagggca	agg			780
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<210> 13462

<211> 330

<212> DNA

<213> A.fumigatus

<400> 13462

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atacaactac	caaaccacag	aaccaccca	gcctacgcct	cagtcgaagc	gctcagagcc	180
cgctacgctg	agtttacatc	gctaaacgac	ttcctcgact	tctacttcca	tggtcatgtcc	240
gtgctgcacc	accagtccga	tttcgaggaa	ctcgctggg	cgtatttcca	gaaagcacac	300
gaggacggcg	tgcaccacgc	cgaggctctc				330

<210> 13463
 <211> 219
 <212> DNA
 <213> *A.fumigatus*

<400> 13463
 ttccctcaatc ccgactccgc ctggcctcag tatggccgga agtttgctca gcccgctcgac 60
 aaccgtactc tccactccta cccacaggg gccaccatcg agtatcagat tgatccgccc 120
 ctcaagggtca tgataaacgt gttcagccgc agtaggagag ggcttcgtag acgcattagc 180
 cgaaggagcc gcgagcggcc ggtccgcaac atggattaa 219

<210> 13464
 <211> 1425
 <212> DNA
 <213> *A.fumigatus*

<400> 13464
 actgtcatca ggccggagcc cctgcaggtc tccaaatggg agttgacctc ctccctggca 60
 gatggctcgc cgcttcaaac tcttgtcggg gaattcgaat tcagtctcgc taatggcacg 120
 aatattgggt gtacggctgc tcgaattact cccgacattg gggctgctgc ctccggcagcc 180
 tttgacctacc ttccggccgc cattctcctc ctgggtgggca tggcttcgtg gtgcagacag 240
 acccagcagc gaagacgctc agtgctcggc cacggaacca caccacagc cccggattcc 300
 gtaagaaaga ttgtagtcca tgtggccgac tacgtgcggt acctccagtt catcttcctg 360
 actggttccc tcacgatgca ataccgggt ttctaccagc ctatcgtcag ccaactggcc 420
 tggtcacgc tgttattttg gagcggaccc atcgaccagc gcttcaggta tcccgggac 480
 gaagacggaa tctacgcggt caacgggtact tatggactgg agtacatggc gcagaacctc 540
 ggatttccct ccatgttggg tatcaagttc gacgctctga taaatctgtg cattgtcgtc 600
 tctgcaatcg tggttatatg gctggtcgga tggctgctca agtgtggatc gtggcatggc 660
 gtctcacttg atgctgtcct tgtgcaattc cgggcagcat gtcatagcat tgcgggcgtc 720
 acgcttttgt tcttcagcct cctctctctg gcatactctg cgtatccatt tgcctcgtc 780
 ccacatctgc ccagttacaa catttgtctg atcgtgctga tgattggggc cctcgtcggc 840
 tcgaatctct tcggttgcct ttatcagacg aaacagaaac ccaggagatc cgaccacaac 900
 tcgtccgagg cttcccctcg gttcgacacc tccatggaat atatcgccca ttatcttctc 960
 tactgccttc cactcattca aggtctagcc atcggcggtc tgcagctctg gggctgggtg 1020
 cagctgcttc tgctcggcgg atgcgaagtg atcactctcg ctcatctcat tattcagcga 1080
 cggacgaaat ttatgctttc gaaaagtgc tgggtgtactg ctgtccgctt gttgacgctc 1140
 atcttgggcg ttgcctttgt gtgcccgtct cgcgaaataa caagacaatg gatcggctat 1200
 ttcatcctgg ttctgcatag tgtggtaatc gtgttcggct ttttgttcat ctcagtctgg 1260
 catataggac gattcggcgt taatcgatcc gatcgtaggg ttgccgacga tcgatgggtg 1320
 ggttcaagca atgttccagt tagtgctgaa tctgctttta ggcactatc agcgacttac 1380
 tgggtgtccag catttcaatt tcgccgagct ctcaagcccc agtga 1425

<210> 13465
 <211> 747
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (43)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13465
 ggtgtctcgc gaattgggtg cttcctgccc tccagcgaag tcaaatctct tgttgagaaa 60
 ggatccatga acttcatctt cggcggaaat ggcttctttg gctacttctt cagcaccagt 120

tcgtcgatcg	ctgcgcaccg	ggactcgccg	caccatgtct	ctgagccggg	tgaccttctt	180
gcctgggtggt	cgacgtattc	tgtcgatgag	tgccccgacc	ccaacatgct	ggacatggat	240
gatgtccttc	agcagctgca	aaagcgacat	gaacactggg	gagatcccgt	cgtgcaaaag	300
gttctcaagt	cagcacgcgt	gaagagtatc	tatccgacct	ggacatcgcc	acagctaccg	360
acgtgggagc	gggacggcgt	agtcttgggtg	ggggacgcgg	cacatgcgct	gccgtcaagc	420
tcggggcagg	gacgtccca	ggcactggaa	gatgtagagt	cgtttgcgaa	gcttttgagt	480
tacttccttg	gcaaggcgga	cgacagtgac	agtagtgtcc	gcgagtgcaa	ggaggcagtc	540
aagttagctg	ccaagcagta	catggatcta	cgccgaccgc	gggttcaggc	catcctcgac	600
gacgcgagaa	agagacaaag	caaaaagcgg	gatatgggag	tgatcgagga	gtacttgatg	660
tattcaatca	tgtggattat	gggtatgtat	gccgtgggat	ttgggggtct	cgctaacatg	720
gagttacagg	cttctttccg	agcgtga				747

<210> 13466

<211> 201

<212> DNA

<213> A.fumigatus

<400> 13466

ccattcgcca	ctacaaccga	ccatgtgcat	tggcggtcca	tctcccacgc	ctggagcaga	60
attgtccata	cgtataagga	gacggccgtg	cttgcttttg	agatttccgt	gcggaactac	120
atagccacc	cggacaatgt	cgcggaggag	atcctcgtcg	agacgcttga	gaacatgcaa	180
accattcggc	ccaataccta	g				201

<210> 13467

<211> 864

<212> DNA

<213> A.fumigatus

<400> 13467

ggagaagtga	gtatatgcag	gtcagggtca	caatctactt	cattttgcag	tctactcctc	60
tgtatcagat	cggtcagtat	gaagagtctt	ttacgggcca	ctttctttgc	tacagcagca	120
attgctgctc	cggattcacg	gcgctgccga	tgtcaacccc	atgagccatg	ctggccatcc	180
ccacgagagt	ggaatgcctt	caaccggtca	attgacggca	acctggtcgc	agtgcagcct	240
gtcgctgccc	cttgtcacat	caaccccaac	agcaccgcct	gccaggacgt	cacggcgag	300
tgggtccaa	ccgtctggcg	cgctgcgcag	cccggcgccg	tgcagtggga	gaactgggca	360
gacctggccag	aacacaatga	gagctgttat	atcgagactg	ctccagatac	ttgtaagcag	420
gggctgattt	cgtctactc	cgccgtgggtg	caaaacgcgc	gacacatcca	ggaggctgtc	480
cggtttcgaa	ggcgacacaa	catccgtctt	gcggtcaaga	actccggtca	cgactttctg	540
ggacgctcag	cggctccgaa	ctcgcttcag	atcttgacca	accgcataga	gggactacag	600
acagtatag	atttcgtgcc	aaagggggcg	ccgaacata	agggcggaagg	tccggcggtg	660
acgctggatg	ctgggatcag	tctgcaggag	atgtatgctg	ctcttgccaa	gcagaaccga	720
acggtagtgg	ggggcaccgc	tcacacgggt	ggaccgaccg	gcgggtatat	tcaaggaggt	780
ggccattcgt	tcttgagccc	ctggaaggga	atggcgtcgg	ataatgccct	ggagttcagt	840
gttgtcacgg	cgtcggtaa	ttga				864

<210> 13468

<211> 681

<212> DNA

<213> A.fumigatus

<400> 13468

gggcctggta	ctgaccgcgt	ccaggagat	ctagtgactg	ccaatgccta	ccagaattcg	60
gagctgttct	gggcgtgctg	agggggcggt	ggaggcacct	ttggcatcgt	caccagagtc	120
accgttcgta	cattcgagga	aatccccgtg	gtcgttacca	cgatgaacat	caccacggct	180
ggcggagatc	ccgcattttg	gaccgcgggtg	gctgacttcc	atgcgggtgct	accggccgtg	240
actgacgcgc	gaggaggcgg	atactacttc	attattccca	atctgccgtg	ggagaataat	300

cagaccctct	cagtattgag	gttttatctc	ttccatacca	atacaagcaa	cacaacggag	360
gttggacaga	tgtacgaacc	cctgatgaag	aaactcaacg	cgaccgcggg	cgtgtatacc	420
cagtacatgt	ccctcccat	gtccagtgtc	caagaggcat	tgtcaaagct	catgcttgtc	480
ggcgattccg	acgagacagg	atcaatcgcc	gtcatcttct	tcaggctgtt	ctcgaaagac	540
ctcctcacct	tcaaggacgg	acccgccagg	ctcgctctg	ccatgagcaa	gttccgctat	600
acgccctggc	aaaccggggt	cggtatggtg	gatggaggcg	gcgccgtggc	tgagaatgct	660
gcaaagtcga	caggtcactg	a				681

<210> 13469

<211> 570

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (565)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13469

attcagctgc	tcgtccta	aaacgaaacc	gccatggcat	cgaggcagct	cgctcgagcc	60
cggtctcttc	gaacgcccgc	tctatcacgc	aaccgtgtag	tccgtccatc	ccagacatta	120
cggtgtctcc	cacaaacaca	gtcccttctc	cctagggctt	ctctcactgc	cgccctgcag	180
tcgatatcta	cagttcgcca	ctatgctaac	ggacgaccgc	atcccccggg	tggtacacat	240
cgaatgaatc	tgggtggcga	gccagaaaag	tccgcattgg	aacaatttgg	tgttgatctc	300
acagagaagg	ccaagaaagg	gaaactcgat	ccagtcattg	gaagggactc	ggaaatccac	360
cgcactatcc	aagtattatc	gaggagaacg	aagaacaatc	ccgtcctcat	cggagcggct	420
ggtaccggca	aaactgcat	tctggaagga	ttggctcagc	gaatcgtgca	gggggatggt	480
ccagaaagca	tcaaggacaa	gcgtgtcatt	gcccttgacc	ttggctcgct	cattgctgtc	540
ttcacacaca	gcgcgggaag	aatcncataa				570

<210> 13470

<211> 210

<212> DNA

<213> A.fumigatus

<400> 13470

cattgacctt	ccatttttat	cttatacttt	attgaaacct	acgatcgaga	attgaattca	60
gctgctcgtc	ctaataaacg	aaacgcgcct	ggcatcgagg	cagctcgctc	gagcccggtc	120
tcttcgaacg	ccgctcttat	caccgaaccg	tgtagtcgct	ccatcccaga	cattacgttg	180
tctcccacaa	acacagtccc	ttctccctag				210

<210> 13471

<211> 189

<212> DNA

<213> A.fumigatus

<400> 13471

gattcttccg	gcgctgtgtg	tgaagacagc	aatgagcgag	ccaaggtcaa	gggcaatgac	60
acgcttgctc	ttgatgcttt	ctggaacatc	cccctgcacg	attcgctgag	ccaatccttc	120
cagaatcgca	gttttgccgg	taccagccgc	tccgatgagg	acgggattgt	tcttcgttct	180
cctcgataa						189

<210> 13472

<211> 411

<212> DNA

<213> A.fumigatus

<400> 13472

ctaacctgtc	aaaatagcga	tgctccttcc	caggccgatg	ttgtgacctt	caaggccttc	60
tctggcgccc	ctgacgctga	gaagtacctt	cacgttgctc	gctgggtacaa	gcataattgct	120
tctttcgagc	ctgagttcgc	cagcctccct	ggtgatgcct	ccaaggccta	cactgcctat	180
ggccctgaga	gcaccgagct	gcccaccaac	ccaaggaca	agcctgctga	ggacgacgac	240
gacatggacc	tcttcggcag	tgacgaggaa	gaggaggacc	ctgaggttgt	tgcccagcgt	300
gaggctcgcc	ttgctgagta	caagaagaaa	aaggaggcca	aggctaagcc	tgctgccaag	360
tccattgtga	ctctcgaggt	taagccttgg	ggtatgtttg	accgttcata	g	411

<210> 13473

<211> 183

<212> DNA

<213> A.fumigatus

<400> 13473

gactcacatc	tttcgggctg	tctcgataaa	atgtatccca	agcacaagct	tcacctcgat	60
tgcattgatga	aaacaaattg	gtccgtgttt	aggaggcggc	ttaagacccc	gccggatgac	120
tacacaacaa	ttgcgagaaa	tcgcgtttct	gattacgagg	aagaatctgc	gtgctattct	180
tga						183

<210> 13474

<211> 312

<212> DNA

<213> A.fumigatus

<400> 13474

cgtgaaacta	attgcgctcg	tttagatgat	gagaccaacc	tcgatgagct	cctcgagaat	60
gtcaaggcca	ttgagatcga	tggtcttgct	tgggggtgct	acaagtgggt	tcctgttggt	120
ttcgggtatca	agaagcttca	gatcaacctt	gtcgttgagg	acgagaaggt	ttctctggac	180
gagcttcagc	agcgtattga	ggaggatgag	gaccacgtcc	agtcaccga	tatcgtaagt	240
ttcaaccccg	aatttgacgg	cgacaccata	gatgctgaca	tcccctccca	ggccgctatg	300
cagaagctgt	aa					312

<210> 13475

<211> 963

<212> DNA

<213> A.fumigatus

<400> 13475

ttagcttcag	ggtggaacaa	cactcagaat	cgagataccg	tccacttcac	ctttcccggtg	60
gaaacgacga	taccggagct	ttcgacggca	atgccgatag	ccagtgagag	cagcactacg	120
accaccaacca	tgaccacctt	ctccgctccg	gtcacagtgc	ccatgtcgat	gccaaacaat	180
caatctgctg	tggcggcatc	cttcacgaac	tttctcaccg	tgtcaattca	ccaaattctc	240
tttcttcggg	cggctctatc	gcgagcaaca	tttttacccg	tccgggccta	caactaccca	300
gtgcgacaat	cccgtcaccc	aaaggtgtgt	gactacatca	atgatgcgtc	aatcgcggtt	360
gggacggaga	tcttgaaagg	caccatcacc	gctgtcagta	tcattcattc	atctctccgc	420
acaaatcagc	cctctgaacg	atatgccttt	gatctgtcgg	ggttcccccg	tgtttccggc	480
ggagatgtca	acacaacatt	tgaagacaga	agcgaagatt	catccaagcc	aggtgtcccc	540
gttcccgatc	gggggttcagc	tcctacaact	gtcgaccttg	aagcgcagtt	ccgtgcttgc	600
ctcgcgagac	tggcctctgc	ttgcgcccgg	ttgacctcgt	tgccctcgaga	tgacgagttc	660
agttttaccg	tctgtatcga	agtccgggag	gacgcattac	ccccggctgg	caccacaaag	720
gaagaacaga	cctggattgt	cgccgaaccc	gggaagattc	acctgaggtc	gtgtacggct	780
ccctactctg	tttccaaatc	gaaaaatggc	gacctgcata	aacttcctcc	caaagtgtcg	840
aatggtaggg	ccaaaacggt	acctgtacga	cgtgtagaag	ctggcgagct	tcgcttagaa	900
ctatgggtgg	aagaggcgcg	acagaagttt	aatgaaccag	tggattccga	acatcctcca	960

tga

963

<210> 13476

<211> 345

<212> DNA

<213> *A.fumigatus*

<400> 13476

atagtccag	atatggttgt	gaaacatatc	cagcgcaaac	ttcaggagaa	atccgacaaa	60
cacagcgag	agttacagaa	gctggagatg	atcgcttcag	aagaacaatt	gtcggcaaat	120
gtgtttctca	tgcttcagac	cccgaattc	atcagcatga	acacaatatt	gcaggaccct	180
gccacggaac	aggttgattt	tgtcttttat	tttgaccgcc	tcgcttgtct	actaatagag	240
aagtgcgttg	acccttatgt	gccagcgct	gaaaagttca	agtttgggac	tgaccataac	300
atcggattaa	tagggccttg	gactgtactc	ggtatcaacc	ggtga		345

<210> 13477

<211> 240

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (31)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13477

cgacatgagt	cttctctttc	ttcttacttc	ntcgccacga	agaagagata	ctactctcca	60
ccatgggagg	atttgagtat	cattggaatt	gcaggcagct	cgggctccgg	caagacgtct	120
gtggccatgg	agattgttaa	gtccttgaat	ctgccatggg	ttgtgattct	tgatatggta	180
ctaaggacc	gttcgaacat	catttctata	gatataagcc	attttcgtgc	atcctcgtga	240

<210> 13478

<211> 249

<212> DNA

<213> *A.fumigatus*

<400> 13478

agaaagaaag	caaacatacc	tgtctactct	tttgctgaac	atcagcgcca	accgcagacg	60
accactcttt	actcgccgca	tgtcttgatc	ttagagggaa	ttctggcgct	ccatgatcct	120
cggatcatgg	agatgttga	cgtcaaggta	atttactttt	caccacttta	ctacctcaag	180
atacttatca	gacccttttc	agatttttgt	cgaggcagat	atggatgttt	gccttgagacg	240
cagaagtga						249

<210> 13479

<211> 498

<212> DNA

<213> *A.fumigatus*

<400> 13479

catcggatta	atagggcctt	ggactgtact	cggtatcaac	cggtgaaggt	tgagaccctt	60
caagggatga	attataacgg	gttacatccg	gaaggtctag	tgtctgcagt	agcaattttg	120
cgaggtgggt	cttgtcttga	aacagctctc	aagcgaaacta	ttcctgactg	tattactggg	180
cgactgctca	ttcaaacgaa	cgagcggaac	gaggagccag	agctgcatta	cttgaaactg	240
ccgccaggca	ttgaagagca	cgcaacagtc	atgctccttg	atcctcaa	ggctagcgga	300
ggagctgccc	tgatggcggt	tgggtcttta	gttgatcacg	gagtcgcgga	agacagaatt	360
gtctttgtga	cctgtgccgc	tggaaagggt	ggacttaagc	ggcttagcac	cgtttaccct	420

gaagtcaggg tcattgtagg gaggatcgaa gaggagcgag agcctcgatg gttggagaag 480
agatatttcg gatgttag 498

<210> 13480
<211> 465
<212> DNA
<213> A.fumigatus

<400> 13480
aaaatgctaa ctcttgactg cctacttcta gctgatccca gatttgctaa tatccagacc 60
gatccgcgat atcgccctcc cagcaaacgc cagacccatg tgaagctcga caagcgtttt 120
gcgcacatgc tgcgcgacaa ggatttctct cgaaatgccg cggttgatcg ctatggacgc 180
aagcttgctc gcgatgacac gaagaagcag ttggagaggt tttaccagtt ggagggcgac 240
gaagagggag ataaagatga ggacgaggac gaggagggag atggaatggt cgctgatgac 300
gatgacgagg ttcgcaagga gttgaagcgg atagacaagg cgtatgatcc tgctcgggac 360
ggaggattct catcttcgtc ttcggaagag gagagctcga gtgatgagga aagtgaagaa 420
gaggacgacg aggaggaaca gagtattgaa gaactggact ttccc 465

<210> 13481
<211> 258
<212> DNA
<213> A.fumigatus

<400> 13481
cactatagac caagtaaattg caatccttca ccggcatcga cactgtcaat gtacaaccac 60
ctgatccaac acggtcccgt caagaatcta acatccgaaa tatctcttct ccaaccatcg 120
aggctctcgc tctctcttga tctctcctac aatgaccctg acttcagggt aaacgggtgct 180
aagccgctta agtccaacct ttccagcggc acaggtcaca aagacaattc tgtcttccgc 240
gactccgtga tcaactaa 258

<210> 13482
<211> 246
<212> DNA
<213> A.fumigatus

<400> 13482
attgactcag ggctaccgga agtcatttct aagtatataa ccttcttggg agacttgact 60
gcattgacgc tctggagtct tagtaacctg actgctccca gcacatatca aatcattgcc 120
atgagaaaaa agggctttat tctcttagtt ttcttgacag ggttgaacat tcaccagaca 180
aggattcatc ataatgttac ttggagtaat atactattca tcaagtcccg acacgtcaca 240
tcatag 246

<210> 13483
<211> 237
<212> DNA
<213> A.fumigatus

<400> 13483
gtgacatgct tccgacgaca aagtcagacg accttttggg tttggctaac cgtgtgtcgg 60
gatagacgac cattgggctc ccttatctat ttcacctacc gatatacatg ccgtctttct 120
ccactgcaat acaacactgg caatcactct ccatcagtat cacctgtctt tgacaggaac 180
aagagcctcg tctccacctt tctagtcctt aagctgacta cgagccccct ccgttga 237

<210> 13484
<211> 234
<212> DNA

<213> A.fumigatus

<400> 13484

tgtcgttttag	cagccgggaa	taaggctatt	ctccgtccaa	caggagacca	catttacact	60
gatctcgagc	ccagagccac	aggcgacatc	atcgcgccctg	tcgtctccac	gactgattat	120
accagcccag	ccgcggcagt	ctggagcggg	acggcttgcc	gatctccaca	aagttcacac	180
aggagctcca	caagtgcagg	aagaggaaga	gctgcagcgg	catcccaaca	gtaa	234

<210> 13485

<211> 267

<212> DNA

<213> A.fumigatus

<400> 13485

gccaacagac	tagatcagtt	gatcaaccgc	catctgcac	accctgtggg	aattatcgaa	60
tcttggtttg	tcgcctcatc	ttacgaccgc	tcatttggct	tttcttttgg	ctttttgccc	120
ctggcagcat	cagtggagtc	gaatgaattg	caccagaacg	gctctgaatg	gatcatcgta	180
cagtctacc	agcactgttt	aagcaagtgt	tccccagaag	gatgcctcgt	cgtgtatttt	240
cgatattcct	gcactctgga	tgataa				267

<210> 13486

<211> 966

<212> DNA

<213> A.fumigatus

<400> 13486

aggccttgca	ggactctggt	aggatatcct	gatgaaaggt	acaatctttt	gggagggttt	60
cttttgctaa	cttttagccgc	tcatgtagtc	gtaaagaaca	cgcggaaccg	aggtagtcta	120
gccaattcgg	caagagctca	gcgcggacgt	catctggatg	ccctaagacg	ccgaagggtct	180
ggtgggaaag	aggagaacga	cgcggcgtta	gaacaagact	cagacgctga	gcactcggat	240
gaagcaggcc	ctgatgacga	gcccgcacgt	gaagccgaaa	gccaagtctg	tcagcagcag	300
tttcgcctcc	aggaaggag	cgatgtcgag	tcaattgttg	cagaggacga	ggacctcgac	360
caatacagag	acgatttcgt	attagaggat	gataatgccg	aactgggagt	gccatccagt	420
ctagaagatt	taccgtttga	gttttctcgg	catgcctaca	aacagctgaa	agaatacttc	480
caagacgctg	ttgaatggat	ggtaaataac	aagatcaacc	ctgccttccc	tcgttccgat	540
ccgctctacg	aggttgcgtt	catgaaactt	gaagatgagg	tcaaaggacg	cactggttct	600
cagctgggat	cttcgctctg	gaacgtcaaa	ttccgcgcag	cactcctggc	aagacctcat	660
gtcgaaacca	ctctataccc	gatcacagac	aatcatcctt	gcgacgcgtg	ctacaggtct	720
aagcatcctg	cttcgtttga	tatgaagcta	tatggccacg	cttattccct	ggtagacact	780
ccaaacaatt	gtcccatgac	gataccgacc	acgaccaata	agagtatcgc	cccgaagag	840
acagagaccg	ttaccgcttt	cccaaataac	gacacgcggg	ttctccttgg	aagggttggt	900
ttcccttccc	acctttcggg	atcccccttc	cttctgggtg	atcctttgaa	cgcccattgg	960
caataa						966

<210> 13487

<211> 1374

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (96)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13487

catgattgca	gctttgggtat	tttgaatcct	cagctcagtc	tgagctatta	ttgctccaat	60
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ccaatgtact	gtcaacaaca	tcttatcgct	ttactntacg	ctttccttgc	atattttgtc	120
aacgtcacag	aaagtttagg	acaattgcc	gagaagtccc	ttagcagtca	aacatatgag	180
cccgaatatt	gcaatcagac	actgatcaac	tttagtgggc	tcaactactc	ggacgctgaa	240
gtcgacgaac	taggatatgc	ggctctccctg	ggtcgacgac	tgtgttgga	tgacccagga	300
gcaatacgtg	gccgaaatat	ctcaatatac	tcacaaagct	cggaaaggcgg	aattcaaaca	360
gttggttaatc	tgacgggttac	cctgacaatc	tcagtgggaa	aagaagcgag	catgcaacta	420
aggaagcggg	tattgacgcg	acctcataac	agcccagaag	ctctcataac	gctcggcgaa	480
attatagtag	ttgactctcg	cttgaggac	agcaatccgc	agtgggaacg	acgcagcaag	540
gctcgggaacg	gtcaactgga	ggcagcttcg	ggatcggatc	cagagtcagc	atctcaacgt	600
ggaaagggtac	gaactgagac	acaaatatca	gaagataccc	ttggcttcgg	cagtgggtca	660
gatgggtgatg	ctcaccctca	tgataagaat	gggtcccgtcc	ggaaaaattc	ccacagtcgt	720
cgcagtgat	gtgtggacaa	tttttgcgaa	gggttcgac	tgaagaacac	ttgtgcacca	780
gggggtaaaa	ttccggctaa	agaggaaata	tgcgcactat	gttatccagg	aagaaacctt	840
gcagtcattg	agagacactg	ctcaaaacag	gagggttagtg	gacgtcaagc	cttctacagt	900
gtttgcgtgt	tgctcggctg	ctttgttgtg	gtagctgttc	ttctgtatct	gctgcgcagc	960
ttctacagag	gagtgcagag	gcgatatcgg	atatttcggg	gtctatgtag	tgcccagact	1020
tctcgaagtc	ctgccacgag	atcggggctc	tcctcgggtc	tccaggtcaa	ctctctaccg	1080
tcctcttttc	ctggattttc	ctccccaaac	aagctagaag	tattgcagag	ggagagcgtg	1140
actggtacgg	acgatgccag	tgatcgcacg	ttgcctttct	ccacactgaa	acaaaaatgg	1200
cgtcaactcg	gtgcatttag	aagggaactc	cgcggaagaa	ttcaagttat	cttcgacata	1260
gagtcactcg	atacggaaca	tgcgaaaggc	ggacaatccg	ctcataaaac	tccagttctc	1320
cctcgagcac	cgaatgcaag	tattcgaagg	tactgtgaag	agacaaggtc	ttga	1374

<210> 13488

<211> 300

<212> DNA

<213> A.fumigatus

<400> 13488

ctatcttcgc	ataatatggt	cacacattta	atgatcacat	ctattgatta	cctccatgct	60
gcgggatcaa	tagaagttat	tctaaactaac	tatcctgctg	acgtacagtt	caggcccttt	120
acaaacacct	gtgcgaggtc	ccagatcagg	cctgtgcagc	cgtatgcaac	ccgaggcgat	180
ggtttgctgt	ctggcgagaa	attcaatcgt	ggatacatag	gctgtatgct	gccagagtc	240
tgtctgcaga	tcctcgcggt	ttgtccacga	gcaccattct	ccctcgtgt	cggccgctag	300

<210> 13489

<211> 345

<212> DNA

<213> A.fumigatus

<400> 13489

aacactctaa	aggatccctt	gattatgaaa	aaacaggctg	gagcttccca	cagttttctca	60
gcgccaaccg	ttccgccatc	atcacctcgt	acacgtgtcg	cacccatcca	cagcagatct	120
tccttgatc	cttgggatcg	acaatctcct	ggaccccaaa	cgcattggcc	gtccgcacgg	180
gattcatcag	ccgcagatat	tcctcctcca	gctccttata	ccgggcccgc	ttgccctctt	240
tcccaccccg	ttgctccgcc	tctcgcagtt	cctggcgatg	gccacctcg	attcccccat	300
ccagtggcag	agacccccag	ttcccggacg	gccaggcaca	cctga		345

<210> 13490

<211> 756

<212> DNA

<213> A.fumigatus

<400> 13490

agcaaatctt	tcgcaaattc	gccatcaaat	ccagaattcc	aacaagcccc	cgcagagctc	60
gaggctacac	tgacagactt	aactgcggat	ctggatgatc	tcgtcgagag	tgtgcgcgca	120

attgagcaag	acccgtaccg	atatggcctc	gaaatcgacg	aagtcgcacg	ccgacggaag	180
ttagtgagcg	aggttggaga	tgaggtcgag	aagatgagag	aggagctgca	gaggggtggtc	240
acaactgctg	acacagctgg	cgggaccaag	gcacatacag	gttctacgtc	aggactgccc	300
aatccgtctg	actttgataa	tgtgctctct	ccctcggatg	atcgagggga	cgattactac	360
actgctcttg	agcagcagcg	gcagatggag	ctgatgcatg	aacaagatga	acagctagat	420
gggggtatttc	gcaactgtggg	caacctacgg	cagcaggcag	atgacatggg	gagagagctg	480
gaagagcagg	cagtcatgat	cgacgaggtg	gatacattgg	ccgatagagt	tgggggcaag	540
ctgagcaacg	ggatgtcacg	gataaagcac	atcgtgcgaa	agaacgaagg	taagtgtact	600
ctgtctgttc	gtcgaaaggg	attccgcaga	acgtattcaa	agcagtcaaa	cagtcaacta	660
atcattttttg	gttcattaga	tacaatgtct	tcattctgca	tcgcggctct	catcttcgtc	720
ctggtgctac	tactaatttt	ggtaatcgca	ttgtga			756

<210> 13491

<211> 189

<212> DNA

<213> A.fumigatus

<400> 13491

ctctcccggc	tatgggacgt	tttgtactgt	tccctagggt	actatggatg	gaagatgtct	60
gagattggag	tggacattca	gccgagagct	atgctattcg	agatcgaagt	gagaaataag	120
tcagggttga	atgagaagaa	gagtacaatt	aacggaagag	ccacaacagc	caccaaggtg	180
agactctga						189

<210> 13492

<211> 300

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (3)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13492

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gcgccttatt	tccctcagcc	cgagttctcc	cgtcctgcgg	ccggctcgcc	caagggtctg	120
ggacctgcca	atggtaaagg	ggcgggggcg	ggaatgatgc	agggctcccg	aggggtcgtc	180
tcacttcgag	tcaccgacga	ggctcgacag	ctgtgggagg	gctggagaga	catggaggaa	240
tatgcgcgag	aagtgttccc	ggtagaagag	gaagccaatg	gactggactg	gatgttgtga	300

<210> 13493

<211> 1179

<212> DNA

<213> A.fumigatus

<400> 13493

atcttaacaa	tctgtcaat	tgattgcttt	atacccttat	accccagctc	gctcactggt	60
ctccttttatt	ccccctttt	ctccttgctt	atcgctcctc	atccttatcg	gtcatcatgg	120
gtgccgaaaa	cggtcagaaa	tcgctctctg	agcgcatgga	gatgcctggg	gtccccatgg	180
aggttgcgcg	agagtttgcg	ctcctcgagc	agagatttat	ccgcgctgag	accgaccgct	240
gtaagttgcc	ctcgccattt	gtctgctttt	ggtgttactc	gtccgcctca	tgagcacatc	300
aatctgactc	gtttagtgcg	ccgctccact	ggtgagaacc	gccctctgtg	ggagaagcgt	360
agcgaaatca	tctccaaagt	ccaggacgac	ttctggattc	gcgtcctctc	caacgctccc	420
gccgaaatcg	acgaatacat	ccagcactcc	gacgccgctg	ttctgggctc	cgctctgaag	480
gacctgactg	tcgaaagatt	tgaggtcgac	gagaagggca	atggcgagcc	gcgaagcctt	540
cgtttcacct	tcgtgttccg	caccggcgag	gagaaccctt	ttttcgagaa	cgaaaagctc	600

gtcaaagagt	tctactggcg	caagaagatc	accaagactc	ccaagggcaa	gcgcagaaca	660
tgggaaggcc	tcgtctctga	gccagtcgc	atcaactgga	agaaagacat	ggatctgacc	720
aagggattgc	tcgatgctgc	ctgtgatctg	gccgaggccg	agaaaaagg	tggcgaccgc	780
aagaagctcc	ccgagttcga	aaagctggcc	aagaagatgg	aggagctcga	ggcgcctgcc	840
atggaagata	acgatgagga	cgaggaagac	ctccccaccc	ctgctggaac	cagcttcttc	900
ggtttctttg	gttaccgggg	caatgtcgtc	tccgctgaag	agtctaagga	agcccagaag	960
gaagatgatg	agcgattcga	gagggccctc	aagggcgaga	aattcgacga	tgaggaggat	1020
gatgacgacg	aggacgacga	cgatgaagac	tccttcgacg	agattgagat	cttccctgat	1080
ggggaggacc	ttgcgatcgc	tctcgctgag	gacctgtggc	ccaacgctca	caagtattat	1140
ggtaagacac	cctgctatag	agccgatgcg	acggtgtga			1179

<210> 13494

<211> 1446

<212> DNA

<213> A.fumigatus

<400> 13494

aaggtcacga	tccgatctat	tcggttgcac	tattcagaaa	tgctgagaag	attcaaagcg	60
tttgtcttgt	caaccttaacg	atttctctgg	tgccctgaat	ctccttctca	cccacaaatg	120
gcggcgctac	gggacgtcat	cgcgcggggg	gaattttcaa	ctttgtcaaa	caccgaggcc	180
attcatcttt	tcgcatcttc	attcccaaca	gagctctctc	atctccgaaa	tgccagtgcc	240
acagttgaat	ccgatccag	cacgcctccg	ggctgcttgg	aggggaaaac	accgtcggcg	300
gtgatctacg	gcgcagattt	cgcagaggtc	aaccgcacac	tggtcagcat	gctggcactc	360
aagtggactc	tgccagacga	ctacgagttc	ttcacacgcg	gtcaatcaga	agggaaatta	420
acactggaga	cgttcaagcg	catgcgggag	gtgatcatcc	ggaacttgca	cgaccagga	480
gacatctacg	cgttactggg	agcgatcctc	atcgacgaca	tcggcaaaga	ctctgcccta	540
gccacaaccg	ctgaggctga	agctgaagca	aaccattccg	agctagtcta	tcatgctgcg	600
caaggagatc	gcatcccgcc	gctggtggt	gtccccaaac	gcggcaggga	agcgatcatg	660
cggagcctgc	agatcggaag	caagctgaat	ctctcgagc	tggtgcaggg	tgagtgcgcg	720
ccagegagcc	tctcggtgct	acggctgata	gacaaggggc	gatgcggctt	tgagatgcga	780
gcgatagtga	cgctgctcga	tgctcgctggc	gcagggtgcc	accgcgatgc	gaggggttgc	840
gcacttatga	ccgagtcagt	ctgtcgggct	tatctgcgca	ctattgaagt	cgttggagag	900
tttattcgag	gaaatattcc	cactgagcgc	gcattgctacg	accgaattct	gacggatcgg	960
gcggaacttc	tacacaagaa	gggatttgcc	ttgctttctg	ttgagaatgc	tgaggaaacga	1020
acgctaactc	ggctgctctg	catggggccga	ggcgatagtc	tagagtcagc	tgagatgttc	1080
caggcggtct	ttcagatcct	accagagcct	accagacgcc	gcctggctcga	tgggctcagt	1140
gtagctggca	ttggcgatgg	ggtggcgatt	gttccctact	atgctcccgg	tctgctggcc	1200
gaggtcctgc	gaagtgttta	ccacaaagag	cgcagtagta	tcgttgctgc	actgtctgca	1260
ttcctgcggt	ttctggcgcg	tgtgtttgac	ggtccacgac	ctaatacaga	cggaattcaa	1320
gaacgcgacc	tgctggttgc	tcaggatgtg	atcaaaagtg	acagattcgg	tgacgaccgc	1380
tctatcctgg	ataccgtcag	gctgccttgg	atagacttga	gtgatactat	cgatccacgc	1440
ttatga						1446

<210> 13495

<211> 210

<212> DNA

<213> A.fumigatus

<400> 13495

accgagcggg	ttgaccgaac	cgagtatgcg	ttctactacg	caataacata	tcaaagaaac	60
atggccatgg	atatggtcat	gagacctgca	ggaaaatcgg	tccatctctc	tgtagagggtg	120
cgtactacgg	agtacaatag	tagccccccg	ctgtcagggc	ccttgagtcc	actatttgcc	180
aactatcatt	accgcattgg	gcattcctga				210

<210> 13496

<211> 420

<212> DNA

<213> A.fumigatus

<400> 13496

gtgtttctac	tcgtcttata	atccctggta	tccgtactga	ttgcttttga	cgcagccgac	60
caggagctcc	aacgcaccct	ccagtcgctt	gcatgcgcca	agtatcgggt	cctcaccaag	120
aagcccaagg	gacgagacgt	caaccctacg	gatgaattct	cgttcaatgc	gagctttacg	180
gacccgaagt	tccggatcaa	gatcaatcag	attcaactga	aggagacgaa	ggaggaaaac	240
aagaagacgc	acgagcgggt	ggcggccgac	cgacatctgg	agactcaggc	ggccatcgtg	300
cgaatcatga	agagccgcaa	gcagatctcg	cacgctgaac	tggttgcaga	ggtgatcaag	360
gcgactcgga	gccgaggagt	gttgatgtgc	gcggagatta	aaaacaatat	cgaaaagtga	420

<210> 13497

<211> 873

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1), (15), (19), (20), (27), (29)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13497

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tcgtgggctc	agcgagagtc	ctccggatat	cttgccacat	ttgtggagaa	cggccataat	120
ctaatacgca	gagaagtcaa	acgctgcgag	ctattctcgt	tgaaccgaag	caccaagcag	180
aaattgtctg	aacttctcga	tcgggtcttg	gtagcagatc	aagagtcggt	gttgcttaat	240
gagaaggacg	ttcttggggt	gcttcggact	ggcaacaaga	ctgctctgga	gaagctctac	300
accctcttag	agcgaaggca	actggggacg	aaattgaagc	cagctttcaa	gaattatatt	360
gtggaagaag	gctcgcagat	tgtctttgac	gaggagaagg	aggcggaaat	ggtagttagc	420
ttgctagaat	tcaaggcaca	gctggacgac	acatgggtta	actcgttcca	ccgcaatgag	480
gagctgggtc	atgccttcgc	cgaagctttt	gcaaccttta	tgaacaagag	ccggaaatcg	540
gaatctaccg	gcgggacaga	caatgtcaag	accggcgaga	tgattgccaa	gtacgtagac	600
aggctactga	aaggtggatg	gaagctggca	cctgggcgca	atatggcgga	cgtgccgctg	660
gccgacgagg	acgctgagat	taaccgacaa	ctggatcaag	tgctggacct	gtttcgattc	720
gtcaacggca	aagcgtgtgt	tgaggcattc	tacaagaacg	acttggcccg	tcggttattg	780
atggggccgaa	gcgcaagtga	cgatgcggag	aagagcatgc	tagcaaggct	caagacagggt	840
tggtttcgat	atgcaccatc	ttttttttcg	tag			873

<210> 13498

<211> 471

<212> DNA

<213> A.fumigatus

<400> 13498

gcagaatgcg	gttctacggt	tacacacaat	ctcgagtcca	tgttcaagga	tatggatgtc	60
gcgcgagacg	aaatggctgc	atatgcctcg	attcagcgcg	aacggaggaa	accgctgccg	120
atcgatctaa	atgttagcgt	gctctccgcc	tctgcatggc	catcgtaacc	tgatgtgcag	180
gtgctggattc	cacctgtcgt	tgccgaagcg	attgatgact	ttgagaagtt	ttactacaac	240
aagtacaacg	ggcggaaaact	cagctggaag	catcagttgg	cgcactgcca	gctgcgagcc	300
aacttttcgc	acggacagaa	ggagctgggtg	gttagctcgt	ttcaagcgat	cgtactactg	360
ctgttcaacg	acgttcccga	gggcggaagc	ctgagctatg	ctcagcttca	ggaagggacg	420
aaactttgtg	agtggtttcta	ctcgtcttat	catccctggt	atccgtactg	a	471

<210> 13499

<211> 240

<212> DNA

<213> *A.fumigatus*

<400> 13499

ggcactcctc	tcgatgacaa	ttacacgggg	gccattcttc	aaaccctcca	ttgtcgaatg	60
gtggttgaca	cttggatgtc	gggtattaca	ggtacaggac	agatcgccaa	ctgcggcagt	120
gctctctaca	ttgcggctca	tggagccgaa	tacgggggtc	ccaaaaaggg	tgccgatgtg	180
actgggggtgc	catatgaaga	caatcgggtg	gctgttgctg	agagcgcata	tactaattaa	240

<210> 13500

<211> 576

<212> DNA

<213> *A.fumigatus*

<400> 13500

ggtcgggtctg	gtcaccaa	at	tcggacggta	tggaatactt	gcctcaagtg	cgacaagtat	60
acttactcct	gtggttagatt	cgagcgtg	gtcgatcctg	gtctgggtcaa	agttaacc	cg	120
ctgagcgaac	atcttacgac	cgtcgacgtt	aagatccaga	tcgttgaagt	ccctcgccaa		180
gtttgcatga	ccaaggacaa	tgtcactctc	aatctgacct	cggttatcta	ctaccaa	atc	240
atttcgcctc	acaaagcagc	cttcgggcatt	tccaatatac	ggcaagctct	aatcgagcgc		300
acacagacaa	ctctgcggca	tggtatcgga	gcgaggggtc	tgaggatgt	aattgaacgg		360
cgcgaggaga	tcgcccagtc	gacatctgag	atcatcgagg	aggttgcagc	tggtgggggt		420
gtcctagttg	aatcgatgct	catcaaggac	atcatcttta	gcaatgattt	gcaggactcg		480
ctctccatgg	cagcgcagtc	caagcgtatt	ggtgagagca	aggtcattgc	tgctcgtgcc		540
gaggtggaat	ctgccaagct	catgcgccag	gtatga				576

<210> 13501

<211> 699

<212> DNA

<213> *A.fumigatus*

<400> 13501

cagtgcacaac	ctccaaagtt	cccacagcgt	ttagcaagca	caacaataca	cctacaaatg	60
agcaataaca	tcctcattgt	tggtgccagc	cgcggccttg	gagcctcgct	aagacacttg	120
tatgcatctc	aggcatcaac	aacctgtgtc	ttcgcgacat	gtcgatccag	tgcccctcca	180
caagacagtg	ctgaatctcg	tgtctcatgg	atcccgaata	ttgatgtctc	ccagcccaac	240
gttggtgaaa	ccctgggtatc	ccaactgcct	tcattccacca	agttgtccc	cgtgatcatc	300
acggcagggt	atttcggatt	cgagacattt	gatgaccccg	actgggaaaa	ggaagtaagg	360
atgtatacca	catccgccat	tgcccccgtc	tttgtagtgc	acacgctcgt	caaagcgggc	420
ttgctggaca	aggggagcaa	agtgatattg	gtcagcagtg	aaagcgggag	tatcacgttg	480
cgacacgaaa	aggaggggcgg	agggaactat	ggtcatcatg	ctagcaaggc	cgcattgaat	540
atggttggga	aacttctcag	catcgatctg	aaagagaacg	gcatagctgt	tggtgctggtg	600
catcctggtt	tcattgcgcac	ggaaatgaca	aagagtgtcg	gctacgacaa	gtactgggat	660
gccggtggag	gtaagaggcc	attgacgtgt	ctatcgtga			699

<210> 13502

<211> 246

<212> DNA

<213> *A.fumigatus*

<400> 13502

gctgcggaca	ttctgtcctc	tgctcctgcc	atgcaaatcc	gctatctcga	ggccatgcaa	60
gccatggcca	agaccgcca	cagcaaggtt	atcttcttgc	ccgcggtcaa	ccagacgggtg	120
cagcagcagc	tggtgcgagc	agataatgcc	ggcgagggtc	caagcaata	cggagccggg	180
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atctga						246

<210> 13503
 <211> 1230
 <212> DNA
 <213> A.fumigatus

<400> 13503
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 agggccagtc tcgcgaggac caaggccag tccttccagc tcggcatggc caaaccagca 180
 ccggaaagtc aagcaccgcc gttcaagttc cagacccgag ggaccaagac gtcgttgagc 240
 gcttcaactt ctttgaggga tatgttcggg gaatcgccgc agagagaaag gccgattgca 300
 cggaacaatt ctagcactct tttgaacaac cctcgtctta gaccaccgct cggtagtggc 360
 agcaatggaa gccatgcccg tggaaacgga tccccctccg ctgcacgat tcgcaagagc 420
 tctcaccccc tgatgcgccc tcggaaacaa tgcagacggc cactgagcat gtttgagcac 480
 cccgaggagg tgattgccga aaaggaggcc aattatacta caaatgcacc acttcaatcg 540
 atcacagatg tcgataccac acccagcctg cagctccctc acttcatccc tgaggactcg 600
 gctgatacat tgccctcgcat cgacaagaca atccttggtg atctcatgga tgggaagtac 660
 aacgatcgat tcgaccacat tatggtcgtc gattgccgat ttgaatatga atacgagggc 720
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 gcggacccaa agcctcggac tgcattgggt ttacactgcg agtactcggc acatcgggca 840
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 cacctgactt accctgatat gtacattttg gacggggggt acagcgctt ctttgctgag 960
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 ttgcgttttg gccaacattc gcctcaaagt gaagacagcc ctactggaag gtgccgtaat 1140
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<210> 13504
 <211> 216
 <212> DNA
 <213> A.fumigatus

<400> 13504
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 ggaggttccc caatcgattc gccatgatg tcggctgctc ccagtcgctt tcaagagtcc 180
 ccgttgatgg ggccaagga ggacaaacaa gagtaa 216

<210> 13505
 <211> 1389
 <212> DNA
 <213> A.fumigatus

<400> 13505
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 ctggatgtaa tcaaggcact tgcggactct ggaaacgtag gaagcgaggc acttactgcc 180
 ataaaggagg gactggaatg ctgcaggctc ataaaccgcc ccgacaatga taagcagctt 240
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 gacttcacca ccaagggcac gcagggaagt ttgcgttgct ccttttcgaa gcctaacaat 360
 aagccctctg aaaatgaggg gtttaacggg attgaggatg cctttgttac ccagaacgat 420
 gatacgtcgc ggacacagga cctcgatccc attaaagctg aaaagaatga tagacgctct 480
 agtttaacga catccgcaaa gtcgagctca accagatgcc ccgtgtctag gtgtcctatc 540
 agattcatgg acaagcatag tccggaggag attgccgact atgtggagag gcacaagcat 600

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gagatcccg gcagccatgc aatatgcgtt caacgttata agaaagattc tcaaacgatg 660
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ttctcaccgg agcagactgc atcgttctcg cacgaattgg gcaatacggg gccaaagcaag 1380
ccatcataa

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<210> 13506

<211> 258

<212> DNA

<213> A.fumigatus

<400> 13506

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aaggccattc tggacgctgc cgggtccagt gttgacaaga tcgtcaaggt caacgtgcgt 180
tattcctctg ttccgacagt tctgaagaga gtggggctgg tgctgactct ggtcctttt 240
acaggtcttc ctactaa
258

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<210> 13507

<211> 693

<212> DNA

<213> A.fumigatus

<400> 13507

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cttacgatgc aagaagtcga cattgtgtcg cgttggcttg tacttctctt gaatttcttc 180
catgctgttg atgaggaaac gggatgaagc cacggcggtt cgcttgatat tctgaaatca 240
cccaagtacc atgagatcca gacactgaac tttttctatt ttgaaccac ggagagcttg 300
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aacacgcggc gactcaagag catcatgttg tcgcggaacc tcggcacaat gaaaaagatg 480
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ctccgtatga gaccagaagc cgctggatat ctacgtgatc gaagccgtca aaaggaacgg 600
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693

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<210> 13508

<211> 228

<212> DNA

<213> A.fumigatus

<400> 13508

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tcgtgtctat tactgagtaa ttttttcttg cgcttgtctt tttgtctgca attctgcac 60
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agatgcaatt atgtttactt cgcgggattg atgggtgtga atatgaaacc tagacagcaa 180
acataaacg aggatctaatt tgctaattgag aatgaaattc acagatga
228

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<210> 13509
 <211> 201
 <212> DNA
 <213> A.fumigatus

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 tatcttgata tcagtctggc tgcatectcc atcctccctc tcggactccc cgaaggacat 180
 atgtggctgc aaccacgata g 201

<210> 13510
 <211> 774
 <212> DNA
 <213> A.fumigatus

<400> 13510
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 aacaatattg ccccaacctc tcgcgatgga gcgatgttta cgaacgacaa cgagctatat 180
 ctttacgggt acttcgactc tctcttcacc aattcccggc tgaccatatg tagtggcctc 240
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 taccagtatg gtccggatcg agaactctgg caaccgggct ttatcatcga caacctcgac 360
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 aagtggtcta atctgtcgtt accggcgcat gttcctgcgc gggctaattg tgagctcgtt 600
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<210> 13511
 <211> 390
 <212> DNA
 <213> A.fumigatus

<400> 13511
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 ggtaaagacc cgaaggaaag agaggattcg tacctcttcc gggaatggca acatataaag 240
 gatgcataca ttgctcctaa tgctccgcgt gagattaaca taccaggggtg gatgcgagac 300
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 gggctggaag gagccgggag atctaagggg 390

<210> 13512
 <211> 543
 <212> DNA
 <213> A.fumigatus

<400> 13512
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 gatatccccc ctcatgtgac gcagttctgc tcgattcatg cgagtgcaca agacggctcc 180
 tcacataaca tctatatatta cggcgggtac gacgggctaa gcatggagaa cacgccgtcc 240


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gacgatgtct acgtcttatac tctgccctcc ttcagttgga tcaagcttta cagcggaaat 300
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ctcggaggcg tgcattctga cccgacgcac tgtctcgacg gtggagtgat tcaagtgttc 420
aacctgaata ctggcaggtt ccaaaacacc tacaatccga acgtctggaa cgagtacaaa 480
gtcccgacc tgatcactac tgtcatcggg ggagagtacg tatccaagtt tgctaaacaa 540
tga 543

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<210> 13513

<211> 252

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (210), (237), (239), (245)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13513

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aagttcgcgc atgacttcgg accgaagaac atcgctccaa aaatgtccga agttgtacct 120
attgaggggt ttgtcgcgca agcttttaaac cgactggcct acaaacatcg gttgctccac 180
agggtcttca ccacggggct ggaaggatcn acggctggtg ctattggcaa tcaaacncnc 240
aaccngggac cc 252

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<210> 13514

<211> 291

<212> DNA

<213> A.fumigatus

<400> 13514

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gtatgtcagc agtttctctg ccggaattcc gctaacgaag ccattcctgc cacaggaatt 60
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ccgagtacat gggagggtat gatggtctgc cgagctcttg agatggccgg ggtgcgaacg 180
ctagccacga cgctcttcac aatgtcccag gccatcttag ccgcggaggt tgggtgcacg 240
tatatagccc cttatgtcaa ccaattaaag gtccacttcg aaccagggtg a 291

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<210> 13515

<211> 393

<212> DNA

<213> A.fumigatus

<400> 13515

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caagccgtgc attcaacctc aacatgctgc aatgccacag tggtgtccct ccaatctctt 120
ttacgcgggt caataaaaacc tgtctccgac gtcgagagcg aacctactaa gaagacgaat 180
cggacgaaaa aggctgtgtc tgcattctcg agacggagta gagcgacaat caaaacaaac 240
gtttcggcca aaggcgcaac aacaattgct gctgtcgagt atgatgcacc gcgtttgtca 300
tgtcaggaaa aagtttctact ggcgacagag atttttaata caacgtttga agacacttgg 360
cagaagcatc aaaagtcac caaaacttcg tga 393

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<210> 13516

<211> 363

<212> DNA

<213> A.fumigatus

<400> 13516

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gagatatatg	ctctggcagg	ggtcgaccat	atcacaatcg	cgccatacct	actgcaacag	180
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gcaatctctg	tggcgcaaga	gtcattttgtc	aacgacgaat	ccgcttacag	gattgccttc	300
acgcgggact	tgcatggagc	aagcgaagag	aaactcacac	aggcaagttt	ggatgaaggt	360
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<210> 13517

<211> 429

<212> DNA

<213> A.fumigatus

<400> 13517

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cgtcacttct	tgaatgctta	tttaattggg	gttggttagat	cgctggctcc	ctactccacc	180
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cagaagccta	cgtgcggaag	tctcattgac	cttggcttat	ccacctattc	ttccttatcg	360
caattccccc	acacgatcgg	ttactcttgc	aacgttggtg	ttttcattta	tctgaccgac	420
tcctgttga						429

<210> 13518

<211> 2676

<212> DNA

<213> A.fumigatus

<400> 13518

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agagagaagc	tattctcgaa	agggagggag	agggacaagg	agaagaacat	caaaccctcc	180
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acgagtgate	aagaattcaa	gataccggac	atatccctac	aagcctacag	tatcgagcaa	2640
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<210> 13519

<211> 1014

<212> DNA

<213> A.fumigatus

<400> 13519

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ccttactacg	ccaagtggat	cagaagtcac	cgtgacctgc	ctctcaagct	caaccagtgg	180
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<210> 13520

<211> 210

<212> DNA

<213> A.fumigatus

<400> 13520

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gaggatgtgc	tcgagagaga	gaaggatcac	atcgaagggt	ttgctgccga	ggttgcttgg	180
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<210> 13521

<211> 786

<212> DNA

<213> A.fumigatus

<400> 13521

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agatcgacag	ccttgtctcc	gtgctcaagg	ctgcaggcat	ccgtgccgat	agcgacaaga	180
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gttaacccca	agtgcacccg	tatggccgag	aagtgggtgca	tgtttggacg	taagctccct	720
ccctatgcct	tcgctctaga	aggaatcgaa	caattcactg	acaatttgcg	cgcagggttc	780
tactaa						786

<210> 13522

<211> 231

<212> DNA

<213> A.fumigatus

<400> 13522

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aagcatttcc	tggccgcgct	cctccttttg	atgtactcaa	cttcccctgc	cgatgtctca	120
tggtctaatt	cagatccctaa	ctccggggac	cgcgcaaatg	gcctatgttt	gtggctcgga	180
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<210> 13523

<211> 450

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (437)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13523

cacagatttc	caacctacgc	catattttcta	cagtcatcca	ttgttatcct	ccttccgacc	60
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tcgagcatgt	caatacccat	atccagtcct	ctactttcag	tcagacatga	tgtgactcct	180
cctattctat	ctgaaccctc	tttgtcacia	atccacgacc	gtttgaacct	cctagattca	240
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cgcgaaagacg	aacatattcg	ccgagaattc	gaagccaacc	gctcgatatc	aaatcgaatt	360
gatctgaacg	tggttgcatc	gaggacggat	gtcgaccaac	tcaagtcagg	cgtgttccaa	420
cttaaatcta	gcattgngca	ggccggtaac				450

<210> 13524

<211> 417

<212> DNA

<213> A.fumigatus

<400> 13524

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aatgccgact	ttcccttct	cgttatcgcc	ctcactcttg	tcagttctat	cggtcttgga	180
ccgtgtatag	cttctctct	tgatgcggac	tttgctgcca	ttgctatcat	aacgaggcaa	240
agggatcttt	cggaaatccc	agaaggcgta	gttttcgaag	tatacggttt	ccgatccgga	300
cacaacatag	cagtcacact	ggcgcttgta	gaagtcaatg	gcgagtctag	gagatgtggt	360
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<210> 13525

<211> 1416

<212> DNA

<213> A.fumigatus

<400> 13525

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agtggtagca	catctcctag	actcgccatt	gacttctaca	agcgccagt	tgactgctat	180
gttgtgtccg	gatcggaac	cgtatacttc	gaaaactacg	ccttctggga	tttccgaaag	240
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acacgggtcca	gagccgatag	aactgacaag	gatgagggcg	ataacgagga	agggaaagtc	360
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cccttctcac	acactgcgtt	cgcaagggac	tggaaacccc	aagagtggca	ccgaaaaagc	540
aacaaatatg	ggcctctccc	tatcattaat	tcaccagaaa	acatattttt	cgcgagcaac	600
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ccgagccaca	aacataggcc	atttgcgcgg	tcccggaggt	taggatctga	attagaccat	1320
gagacatcgg	caggggaagt	tgagtacatc	caaaggaggg	acgcggccag	gaaatgcttg	1380
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<210> 13526

<211> 498

<212> DNA

<213> A.fumigatus

<400> 13526

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gtagatgcgg	acggagattc	tggcgcgaa	ggaaaggcca	ggacgagga	aagagatcaa	180
tctatttctg	gcagtgacct	agacgatgac	gatgaaagt	tggcgctcgg	agtatccgaa	240
gaggaaagt	gttcggagtc	tgaggatggt	gaaacggcag	cagagagaag	attgaagctc	300
gctgagaggt	atttggaaaa	tgtgcgggag	gaggtggacg	actacggttt	cgatgctgct	360
gagattgatc	gagatttgat	cgccgagaga	ctaaaagaag	atgtggtatg	taccgtctct	420
ctgttttttt	ttatcaaccc	accatactg	cgcaatatgt	gccagatgga	ccagatggct	480
gacgctcgga	aaggatga					498

<210> 13527

<211> 342

<212> DNA

<213> A.fumigatus

<400> 13527

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attggaattc	atctatttcc	aagagggcac	gctctaactg	ttgcttttag	ggaggttcta	180
ctaggtatca	ccggcaagga	ctttgtcatc	ctggcggcct	ccaaagccgc	tatgagaggg	240
ccgactattc	tgaagcaga	ggatgacaag	acacggcaac	tgagccagca	cactttaatg	300
gctttttcgg	gagaggcagg	agatacaggt	acgttgagat	ga		342

<210> 13528

<211> 264

<212> DNA

<213> A.fumigatus

<400> 13528

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agtttgagat	cgcggaaccc	ctacacggtc	aacctcctgt	tgggcggagt	ggactccatt	180
acacaggaac	ctcacctgta	ttggattgac	tacttgtctg	cgcttgctcg	cgtaccctac	240
gccgcacacg	gctatgctca	gtaa				264

<210> 13529

<211> 588

<212> DNA

<213> A.fumigatus

<400> 13529

catgtttgca	cctttgatct	gtcgcgtctt	ctacagctta	gccttggcga	aggtttcgga	60
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aagagaccgg	cggaactgtc	gcttgaggat	gagcctgcag	taggctctcc	tgtttcgaag	180
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cgacgagcca	gtggccagga	aatggaggag	catgaacgca	aaggccaaaa	tattcttgca	300
gcagctgata	acgaagagga	agaaatggaa	gaggcaattc	cagagaacga	agaggcaatt	360
ccagagaacg	ccgaagtccc	cgaatcgtcc	gatgtcgacg	aggaccggcc	agtcatcaaa	420
gcgccgaaac	gccaaagtga	acctatggaa	ggctacagcg	acctttacct	cgacacgata	480
aatcgcgaaa	ttctcgattt	tgaacttgaa	aagctgtgct	ctgtcagtct	ttcgaatatc	540
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<210> 13530

<211> 801

<212> DNA

<213> A.fumigatus

<400> 13530

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tcaattgacg	caccacacatt	cggtttggtg	caagagcagc	tcgcgcatga	tccatttcgt	120
ctgctcatcg	ctacgatctt	tcttaatcgg	actcgcggcg	gcgttgcttt	gccagttctc	180
ttccaagttt	ttgaacattt	cccgcacagc	caggacatga	gtacagccga	gttctcgaag	240
ttggtctcta	tgatccattc	tttgggattt	caaaacgagc	gagcgagaaa	atgcatcgat	300
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taccacgca	agatggatgg	aaaagatgtc	ggccgcgacg	aatgcattgg	cgacgacgag	420
aatgacacgc	gtgtagcatg	ggagatcgca	catctgcctg	gtgtggggcc	gtactccttg	480
gatagctggc	gcatcttctg	ccgagatgag	ctgcggggac	tagcgaagga	ttggaaaggc	540

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aatggcgcgagg catcagcaga ttttgaaccg gaatggaaat cggctcttacc gcaggacaag 600
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acgggcgagc gcaagcgagc cagcgagaag atgatgcgtg ctgcacgccg tgggggctg 720
gctcaggaac aggatggcaa ttttgtgttg gagatgtcgc ctgttaaaaa ggtcgcgaat 780
ggtctgactg catggagtta a 801

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<210> 13531

<211> 1341

<212> DNA

<213> A.fumigatus

<400> 13531

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cctgtcatac tatttccctt gagactaaat gacagagata gcgacaggga ccgggataga 180
aagccatcct cctcatcttc tacatcgta aggcccaaac aacgtcatca ccgtcgtcc 240
cacggacggc cctcccgcgc ctcaaccaag gatcgagacc gtgacatccc cacgggtcac 300
tcgtccacca catcgttatc tacttccatc tccgcctcgc gccaacagcg tcggttctcc 360
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agcctgccct accctacatt ctcgaaagcc catagccgag aggccgtcgg gaaaccgagt 480
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agagttgact atttattaca gaatggcggt ctggaccacc gactaccgaa gacattactg 1260
ccggggcccg agcaccaga tttgcctcag cagcagtggc accctgtctt cacctcgggg 1320
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<210> 13532

<211> 360

<212> DNA

<213> A.fumigatus

<400> 13532

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aggatcgaga ccgtgacatc ccacgggtc actcgtccac cacatcgta tctacttcca 180
tctccgcctc gcgccaacag cgtcggttct ccagccggg cgtcgacgcc gccagccgtt 240
ccgctacggc ctctttactc gagtcgagaa ccagcctgcc ctaccctaca ttctcgaaag 300
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<210> 13533

<211> 414

<212> DNA

<213> A.fumigatus

<400> 13533

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agagtacgaa ggcgagtacg accgagtgcg gcagctgtac gagcgtcttt tgcagaagac 60

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ggaagaggag	gaagaagaag	aggaggagga	gcggccggtc	agcgacgagg	ccaagcggcg	180
ggcacgcgca	gtgttcgaac	gggcccacaa	ggtgttcaag	gagaaggaaa	tgaaggagga	240
ggtgagttat	tggcgcttat	gtccggcgac	gatgttacta	acgcagttac	agcgagtgga	300
actgctcaac	gcctggcggg	ccttcgaaca	cacacacgga	tctcccagg	acatcaagaa	360
gatcgaggag	cagatgcccc	ggcgggtcaa	gaagcgacgc	aagctggacg	atga	414

<210> 13534

<211> 756

<212> DNA

<213> A.fumigatus

<400> 13534

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cgtggaacct	ggtataaatt	gcccattgcc	ccgggagagc	cggctctccga	tgcggtatgt	180
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accatacaga	ctgctcagcg	gaccatgcaa	aatcggacgt	cccatggcgc	ggtatatctg	360
aagtcttcgt	ccactctgct	ggtctacgct	ggcagtcaga	cggatagctc	gaacccttca	420
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ggtgtatttc	tccccagcc	tctgtccagc	gacgtgaaat	gcgcgatagt	acatggatcg	660
gacggaagca	aggcgcttga	agcattcaat	ctgagcgtct	cgcccaacac	catgagtagc	720
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<210> 13535

<211> 807

<212> DNA

<213> A.fumigatus

<400> 13535

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aagaagcgac	gcaagctgga	cgatgaccgc	tacgaggagt	acatggacta	tgtgttcccg	720
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<210> 13536

<211> 204

<212> DNA

<213> A.fumigatus

<400> 13536

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agagtgggag	attcacggag	gagattgctg	aacaggaaga	aagggggagg	ttttcggatg	120

ctcgtcgccct acaagaatga gatcatacta ctgatgatag gacagagtag ggataactccg 180
tactctagaa atttcttggg atga 204

<210> 13537

<211> 1050

<212> DNA

<213> A.fumigatus

<400> 13537

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gagagaaccg ggatgagagt tgtggtcatt gatcagaaag ggcccaaggt gaccgggtac 240
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<210> 13538

<211> 348

<212> DNA

<213> A.fumigatus

<400> 13538

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tacctggctg ggtcgtcggc ttctcttcta gagaacatac tgggtggaaa ggaacagctc 180
gccagtgtg tgtactatgc cacggaagat catccaagt tcgaaatccg cttcactctg 240
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<210> 13539

<211> 264

<212> DNA

<213> A.fumigatus

<400> 13539

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ttcatgaaaa gtatccgagc aagacagcga aatggcctcg ttcttgtaaa ggtaacatg 180
aagccttacc ccagcatgaa gctagaatcc tatgtgaaag ccatcattcg tgagtttatt 240
ttgccctgca acagcttcga atag 264

<210> 13540

<211> 198

<212> DNA

<213> A.fumigatus

<400> 13540

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cccagcatga	agaagctagt	ccggcggtacc	aagctgccaa	aatacgggtt	caagctcact	180
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<210> 13541

<211> 435

<212> DNA

<213> A.fumigatus

<400> 13541

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ggttatcttg	ttcgccaata	tattcacagc	tctctatatg	acaggatgag	gtatgcttcg	180
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atcgagaaga	aatggattgc	atttcaactt	ttatgtgctc	ttcgagattg	tcactctttg	300
gatgtattcc	atggcgacat	taagacagag	aacatcttgg	tgacatcatg	gaattggctg	360
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<210> 13542

<211> 201

<212> DNA

<213> A.fumigatus

<400> 13542

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gaccagcata	taggaaagct	ctgccctcga	gcgatgatca	caagcaagat	cctgatggag	120
gacgtggtgg	ccaagggatt	caaggcttta	gttgacgagc	gggcaagca	tgtcaagatc	180
ctagttgagg	tgtctacatg	a				201

<210> 13543

<211> 387

<212> DNA

<213> A.fumigatus

<400> 13543

ttaacgcgtg	tccggggcag	cgtgttctct	tccagccccg	tggtgaagac	ggtcctggca	60
gcatagcctc	gcgttgccga	aggcgaggac	tcgcacgctg	gacccgtgga	gctggtcacc	120
cctcccgtg	acgcacctgc	cggtagccgc	attggcttcg	agggttggtt	tgacggcgag	180
cctgagaagg	tgctcaaccc	caagaagaag	gtctgggaga	ccttccagcc	tgggttcacc	240
accacagaca	gtttggaagt	tgcgttcgac	atgagcgctg	ttcccgccgt	gcagggccag	300
gagggcaagc	cggccttggg	caaactgggt	gctaaaaccg	gaggtgtctg	tacagtaaag	360
tctttgaagg	gagctacagt	tcggtaa				387

<210> 13544

<211> 567

<212> DNA

<213> A.fumigatus

<400> 13544

ccgattaacc	ttgcggtgca	tatgcagccc	ttgttcaaac	cccttactgt	gccctggcat	60
gcagttagcc	gtgctcgtt	cgggcccag	gacactgtct	ttgtgggtggg	gggagaaccc	120

atcgggtctcg	ctgtcattca	ggctcctgaaa	gcccgcggag	tcaagtccat	catagtctcc	180
gaagtatcct	cacagcgtaa	gaagtttgcg	agacaactag	gtgcgactga	ggctcttgat	240
ccgcggacgg	atgatattgt	ggcttcagtc	cgcgcaatga	cggcaggagg	aggggcagcc	300
atcgcatctg	aatgctccgg	cgtgcaagtg	ggcttggaca	cagctgtgca	ggctattgga	360
gccaggggaa	cggtaaccat	agtatcgctg	tgggaggaga	agccgaagat	cgatgcgctc	420
gatatggttt	tacacgagaa	acatatcatt	ggcgtgtgta	tttgtgacga	tggcgatttt	480
gaagctgtca	ttgatgcgat	ttcatcaggc	acgttccttc	tgccgtatgg	ggcccgattg	540
ttactggtta	tgctgaccag	catatag				567

<210> 13545

<211> 225

<212> DNA

<213> A.fumigatus

<400> 13545

tacaaccatt	tagcacagtt	ctatagatac	tctatcttct	cactctcttg	tacgttgatg	60
gaggccaaaa	ctcggacttc	tgaagtcaaa	tctaccacca	cttctcgcgg	ccaaaagact	120
cagaccctca	tcgtctacgg	agtagatatt	gggtgtgcttc	gccaagtggc	tctcacccca	180
ctcagtcgcg	tggttcattt	gactagtcta	taccagtggt	agtaa		225

<210> 13546

<211> 282

<212> DNA

<213> A.fumigatus

<400> 13546

cggcgcttgc	ttacatggca	tatagaccta	catgagtacc	ttgcaggtcc	catcacagtt	60
ccctcaacac	cgcattccaat	cacgggcggg	agcgtccccg	tcacctggg	ccatgagttc	120
agtgggtgtg	tagaggaggt	cggcgcggtt	gtctcacgac	tgaaagtcgg	tgatcgcgtg	180
gctgtcaagc	cgaatctgta	tgatgggacg	tgtgcgaatt	gtatagttgg	taggcgtaac	240
tggtgtcaga	acttgggatt	tattgggtat	agcagtgagt	ga		282

<210> 13547

<211> 213

<212> DNA

<213> A.fumigatus

<400> 13547

ctagtctata	cccagtggag	taagttctgg	ttcagctcac	agcatctggg	ttttgttcaa	60
atcgttatta	tcctatttta	cagttattgc	atcaatctca	cctttggttt	ttcctttcct	120
ttccttcctt	ttttttgccc	tttgctttca	atcgttatca	tacagttgta	cattcgttgg	180
tctgggtcta	ctacagcggt	gatttcttat	tag			213

<210> 13548

<211> 504

<212> DNA

<213> A.fumigatus

<400> 13548

agccttgaat	cccttggcca	ccacgtcctc	catcaggatc	ttgcttgtga	tcacgcgtcg	60
agggcagagc	tttcttatat	gctggctcagc	ataaccagta	acaatcgggc	cccatacggc	120
agaaggaacg	tgccgtgatga	aatcgcacat	atgacagctt	caaaatcgcc	atcgtcacaa	180
atcacagcgc	caatgatatg	tttctcgtgt	aaaaccatat	cgagcgcac	gatcttcggc	240
ttctcctccc	acagcgatac	tatgggttacc	gttccctctg	ctccaatagc	ctgcacagct	300
gtgtccaagc	ccacttgcac	gocggagcat	tcaaattgca	tggctgcccc	tcctcctgcc	360
gtcattgcgc	ggactgaagc	cacaatatca	tccgtccgcg	gatcaaagac	ctcagtcgca	420

cctagttgtc tcgcaaactt cttacgctgt gaggatactt cggagactat gatggacttg 480
actccgcggg ctttcaggac ctga 504

<210> 13549
<211> 294
<212> DNA
<213> A.fumigatus

<400> 13549
tatccgcca ccttatttag aagaccccc aggggtgggc ccgctataag gccgaccatg 60
cttctgttc ccatatatcc caaggcctcc ccgagacctt gttttccggc cacatccttc 120
agaagggcaa gaccggcgac ctcaaccatg gcggcggatg caccttgcaa gagtctgtga 180
atgatgtaca tcgcgacaga tcgtgccacc gtgaaaaggc acatcgacgc agcgagtaga 240
acgagacccc ccaggaacgg agctttgcgc cgccccgttc ggtcaacgca gtaa 294

<210> 13550
<211> 1044
<212> DNA
<213> A.fumigatus

<400> 13550
gaagctcttt tcttcatttc tgtaaategt cccactgcgg gttgcacatt aaagtacatt 60
aaatctatcc tgcaaaaaag atattccgcg gtcattgtgc ctctcttga aacgggtcgt 120
ttcttttttc cgcccgagtg gcatcccat attgtacca tacttggttt cccgtcccaa 180
gctgcgacat gtggcgagct ctaccttcag aactgccgtg aaatagtcga ccttgccgct 240
gcaatcgacg agtttgaacc cgttcggctg tacgcgcggc cagaagacgt acctgggtgc 300
cagcaactag tccacagaac agtagacgac ccctcccgag tgaccgtcat cccacgtcc 360
atcaaccact gctgggtacg cgacaccggc ccggtgtatg ttcacgacgc atcgggcgag 420
ttggatccaa agcagagact cgcgatcagc ttcgaattca acgaatgggg caataaaaaac 480
gggtgggagg gtatcgatgg ggattaccga tatgccaaacc cttccatgtc gccggaagct 540
ttgcaagaaa acaccgactt tgctcgcaat gtcacgaga gcgacaccgc cccatcgccc 600
gtgcaggtgg tcaagtcaac catccgcacc gagggcgggc gtctcgtcgt cgacggcgag 660
ggcaccttga ttgttgccga gagctatatg gtctgcgacc agcgcaaccc gggcatgagt 720
cgggatgaga tcgaggcgga actgcgcggc ctcttggggc tggagaaaagt catctgggtc 780
ccgggacgga agggactcga catcaccgac tgccatgtgg atgcggagggt gcgattcatc 840
cgcccggggg tctcgtctg gtcacgccat caccacagtg ttccacaggt gtggctggac 900
atgtcccagg agatccgga cactactggaa gacgaaacag acgcaagggt tcggaagttc 960
gaactgcatg ccattgatga gcctgggtccg gaggacctcg gcattcaaga gcacgacgag 1020
ttcgtttcgg gcctacgcca cttt 1044

<210> 13551
<211> 729
<212> DNA
<213> A.fumigatus

<400> 13551
cacttccaac ggcaagaggt ctactggact agtatcatgc tcgttgcgga aacagcggcg 60
gcctttttca cctgccccgt ctttggttac tgcgttgacc gaacggggcg gcgcaaagct 120
ccgttcctgg ggggtctcgt tctactcgtc gcgtcgatgt gccttttcac ggtggcacga 180
tctgtcgcga tgtacatcat tgcacgactc ttgcaagggtg catccgccgc catggttgag 240
gtcgcgggtc ttgcccttct gaaggatgtg gccggaaaac aaggtctcgg ggaggccttg 300
ggatatatgg gaacaggaag catggtcggc cttatagcgg gccacccctt ggggggtctt 360
ctaaataagg ttggcggata ctatgccgtt tgcgccttg ggtttgctat tgtcgccttg 420
gacgcgggtc tacgtttggc tgtactagag ccgggtgagg tagagtgcgg cgataatcct 480
gcgcgggtacc gtgctattcc gtcaacagac ccagaagacc acgacgtggc ttcggaggga 540
gatactacca atgcaccgtc aggtcgaat gtgcaacgcg acgacgcttt tgctcgtctg 600

aaattgctga	agcagccgcg	agtcgcaatc	acgctttggg	cactcgcggt	tgatggaatt	660
attatcggtg	cttttgatgc	ggtaggtgct	cacagtgcct	caagcaaacg	cggtagattt	720
ctaacctag						729

<210> 13552

<211> 669

<212> DNA

<213> A.fumigatus

<400> 13552

aatatcagac	cgtgcccagc	tttgtggaaa	agctgttcgg	atgggactcg	tttgcagccg	60
gtctggtctt	tctcgatcatg	gcggcaccgt	cgcttttgga	accactgttt	ggtgagtcga	120
caactgaggc	cagtcctgtt	gcccacaaaa	ggacaaaatg	ctaatagttc	tgtaggcagg	180
ctgtgcgacc	gctttggggg	ccgtctcatg	gcagtcattg	ggtattcctt	gctgacacct	240
tcattggttt	gtctgcagtt	tgtgagccat	gactccgtct	cccagaagat	tctgttcggc	300
gtgttggttg	ctttctgcgg	catctctccc	gatctggggc	agccgggatt	gtacgtcgag	360
tcacagatgg	tgatcgaaga	gatggaacag	cagtcacccg	gaattttcgg	tcgaaaaggg	420
gcggttgctc	aggccttttg	tctgcaaacc	atggctaact	acgctggcct	ggccatcggg	480
cccatactgg	gtgatgctct	gtttgataac	tatgggtgga	aagctgtagc	ttgggccttg	540
ggggcactgt	ctgcagccac	ggttatacct	tctttttggg	tgagtagtcg	gacctatagt	600
catgagactg	aggagacgga	agaggaggac	ctgacagtag	cagcaggggt	tccttatggg	660
accatttga						669

<210> 13553

<211> 429

<212> DNA

<213> A.fumigatus

<400> 13553

tcatgcggcg	tctttgctga	tgaaattcag	aattactact	gtgcctacgt	tggtgctttc	60
ggagaattct	cttgtaaccc	gagaactctg	ggatctactc	acttgaaccg	aatgatctca	120
ctcgagggtg	ttgtcacaaa	atgctctctg	gttcgcccc	aaatcatcca	aagtgtgcac	180
tacaacgagc	ggaaagatag	attcgttgcg	aggcggtata	gagatcaaac	aatgacaacg	240
accggaataa	ccaacatgaa	tgtctatccc	caagaagatg	acgagaagaa	tccggtatgc	300
gatcgaagga	agagcctgta	ctggaccggt	atcgctgata	gttttgtttt	cgtcttttta	360
gttgatcaca	gagtacggat	actcgacata	cctggatcac	caaaccattt	ctatccaaga	420
aatgcctga						429

<210> 13554

<211> 639

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (167), (186), (245), (265)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13554

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ccacggctcg	gcagacgaag	tggaacaatg	cgaacacgtt	cagcagntac	gcgttccaca	180
aacgngnagc	agatggatgc	tgacggagac	gtcgtgtcgg	aagacgggga	cggtttgtac	240
tttgnatgcc	ttcgaggcca	gcgantacgt	tcaagccaga	caagccgcac	gcagacgcag	300
acagatagtc	aatctcggat	gtccgttgct	tcttcgcaac	cggcatcgca	gctcattcag	360
tctcagaccg	atgattcaca	gtcacaaaac	gcaatgagtt	ctacttcttc	gtcccagcca	420

atccaacctg	cgcgcttgac	cgtgttccgt	caggccctag	gcccgcctcat	gggcacacgg	480
ctcttcactc	acggcgacac	cgccgatgtc	gaggagctca	ttggagcagt	taataccgct	540
gtgcggaat	ctccctcgct	cggagcaggc	catgtcttcc	agcgcgctga	ggcaatcgag	600
gcattgaaag	ccatgaacga	aagaaacgag	ttgatgtaa			639

<210> 13555

<211> 1449

<212> DNA

<213> A.fumigatus

<400> 13555

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atgcctgaga	gagcgcctgc	aggccagctt	cctcggagtgc	tcgacgtgat	cttggacgat	120
gatctggtgg	acagtgccaa	accgggagac	cggattcagc	tggtaggaat	ttaccgctct	180
ttgggaaatc	gaaatgccag	ctctgggtct	tcgacttttc	gcacggtcgt	catggccaac	240
aatatcattc	aactatcttc	aaagtctggt	ggaggcattg	cacaagctac	tatcacggac	300
accgacattc	gaaacatcaa	caaagtggcc	aagaagaaga	acgtatttga	attgctggca	360
aactcccttg	cacctagcat	atacggacat	gattatatca	aaaaagcgat	cttgcctgatg	420
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ggtgaccgcg	gtgttgtctg	tattgatgag	ttcgacaaga	tgagtgatgt	ggatcgagtgc	720
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ttgctttttg	ttgtgacgga	cgatattgaa	gatgctagag	atagaatggt	ttcggaacac	960
gtcttgcgca	tgcaccgtta	cogtcaacct	ggaaccgagg	aagggtgccc	ggttcgggaa	1020
gacctcaatc	aaaccttggg	cgttggggctt	gaagataacc	aggactccaa	ccagccgacg	1080
gaggtgtacg	aaaagttcaa	cgttatgctc	catgccggaa	tgcccaactc	gagccgcaag	1140
ggcaagggca	ttgaaattct	gagtattccc	ttcatcaaga	agtacattca	atactctaaa	1200
tcgagaatta	agccggtttt	gacaaagggg	gctgccgacc	atattgttgc	gacgtactcg	1260
gctttgagaa	atgacgagct	ctcgggcaac	cagcgtcgaa	cgtctcctat	aactgcacgt	1320
acgctggaga	cattaattcg	tttgtctacc	gcacacgcaa	aggctcgctt	atcgaaccga	1380
gtcgaggagc	gagatgcgaa	tgttgccgaa	tctattctgc	gctttgctat	gtttaaggaa	1440
agttcttga						1449

<210> 13556

<211> 1719

<212> DNA

<213> A.fumigatus

<400> 13556

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acgcgacagc	caaagaatat	aaataagcct	tgcttcgccg	cgaattcgag	atctttcagc	120
actcacagtc	ggcatatttt	cacaaagccc	cctttctata	cagactccag	atgcatctat	180
cttggttagga	tggccgcttg	ctttgtctat	gccctagctt	tcgggctctt	tcttccaatc	240
tcaagtacga	ccgccacaag	cacaagggca	tccaccactg	tcagcccttt	ggatactgtc	300
cccgttgact	ttcgccctgt	ttaccacttc	gtgccagagc	agaattggat	gaatgaacct	360
aatggctctta	ttaaaatcgg	gtctacatgg	cacttgtttt	tccaacataa	tcctaccgga	420
aacttctggg	ggaaccttag	ttggggccat	gcaactagca	ccgacttggg	atcctggact	480
caccaacca	ttgcgatctc	tagtggagat	ggcattcaag	cattcacagg	gacggcgtat	540
ttcgactcgg	agaatctttc	ggggctggga	tcgccatcaa	atgcaccata	tcttgcattc	600
tatactggct	atttcccctc	gactgggggtg	caggatcagc	ggctggcgta	tagtctcgac	660
catggcacta	cctggatcaa	atatgcaggt	aatccgataa	tctcaaaaac	ccaggaagag	720
ccgcatgata	taaccaaggg	tctggagacc	cgggatccaa	aggctcttcta	ccataccccg	780

tccgggcagat	gggtgatgat	tctcgcacat	ggcgggccaga	ataaagtcac	tttctggacc	840
tcgagcgatg	cagaatcgtg	gacctggaga	agcgacttca	atgccaacag	cattccaaac	900
ttaccgcgcg	ggatcaacgg	atgggaggtg	ccggactttt	tcgaactcgc	gatcaaaggc	960
acgacgcaga	aaaaatgggt	catgatcatt	actcccgcga	ctgggtcgcc	cgctgggtggc	1020
aatggcgctc	tcgcagtcgt	aggctcattc	gacggtgctg	ttttcaccgc	ggacccccta	1080
gatacctatcg	catttttggt	tgattacggc	cgtgactttg	acggggccct	cagttgggag	1140
aacgtccctg	cctcggatgg	acgtaggatt	ctcgcttctg	tgatgaatag	ttatgggggg	1200
aaccccccaa	ccaacacctg	gaagggaatg	ctatcgttcc	ctcgcacact	ggagcttcaa	1260
cagtttaata	gcaagctgcg	cttcttgcaa	ttgcccgtgg	ccgagctcag	cgcgtacaca	1320
tggtctcatcg	cgaatatcac	gaatcaaacc	atcgcccctg	gacagacggt	gctgtctgac	1380
atccattctc	ggacactcga	tatagagatg	tccttcaccc	cttcccccg	cgcgacgctg	1440
tctctctctg	tccgcaagg	aggtctctag	cagactttta	tcaggtatgc	ggagagtgtc	1500
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ggtgttcaca	ctgctactgt	gcagcctgat	gcaagtgggg	agatgcattt	gcgtgttctg	1620
gttgatacat	gttctcttga	ggtgtttggg	gggcaagggg	aggcggatg	ttcgaacttg	1680
atcttccgctc	ttcacgccgc	ggctggaaat	atcacgtcc			1719

<210> 13557

<211> 1368

<212> DNA

<213> A.fumigatus

<400> 13557

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gaggatgtcc	tagtccccag	ccctgacttc	agcctgagca	tccccccggc	atttaaccag	180
ctcagcttct	tcaccgtcca	gcctggcgag	agtttccatg	acgttgaaga	agtgtatcac	240
cccaaggagg	gcgaggataa	atcggccaag	cgcgtgcgca	tgcccatcag	tggatggttc	300
catattccac	agaagggaga	agatggttac	gaggaaggcc	tggaggagaa	gctggccgag	360
cgaagcagtc	tggcgcagct	ccagggccgc	ggcgacatct	acgatttgcc	ccaggccaag	420
ccggtcgtgt	gcgagaaaga	gccggagatc	aagggcaagg	gaaaggccaa	gatggaggaa	480
gagcccagct	ccgagttcag	cgaatccgac	ctcaactttc	tcctccagta	cattgcgccg	540
tcctacttga	cgcccagacat	cgccgaggaa	atgtccgaca	cattctccaa	cgagtcacgc	600
ctcaaccttg	accgtttcct	gtcggacaag	tttgctgccc	gggtacgggc	ctatatcgaa	660
gagcaggaga	agcaggaact	tcccaaattc	tccgacgaga	tccaggccaa	gaccgaatgg	720
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tccgaccaga	aaactcctat	ccaggaacta	ctcaacgata	tggtcccttc	cctcgcattc	840
cggaaatggc	tggctctgat	taccgggtgc	gagcacatta	cgagctatga	tctcctggca	900
cgtcggttcc	gccgcgggca	ggattacaca	ctcgcgagcg	gatacgacgg	cgaagaaccc	960
cggctcgagt	tcacgctggg	cctgacgcga	acaccgggct	gggagaagga	aacagacgaa	1020
gatgaagaga	tggaaagacga	ggacggcgag	gcgacaggaga	aattcaagaa	ggagactgcc	1080
tcggcggacg	agcctgcggt	aggcggctac	gagatctata	tggctggcga	cgacggagac	1140
gacggcgacg	cagctatcta	caagtccgcc	gcgccggacg	aggacgacgg	catcctcttc	1200
agcaccgcgg	ccggatggaa	tccgcttagc	atcgctctgc	gcgacagcgg	cactctcaag	1260
tttgtcaagt	atgtcagcgc	cgcggccaac	ggagaccggg	gggacattac	cggcgagatg	1320
ggcgttgatt	ttggcgacga	cgaggacgat	gaggatgacg	atgaatag		1368

<210> 13558

<211> 543

<212> DNA

<213> A.fumigatus

<400> 13558

tcctcccatc	cccgtggtga	agacctttat	cgagaagccc	atggcgtcgg	cgtttctggt	60
ccattcccgg	ggacgcggca	aggatattac	tcgacgcact	cggacacggt	gcaggacatt	120
gtgtcgcagc	tcgagatcta	cgttgcgctg	catcgggaga	agtgcgttaa	tgggtcgtct	180

ttcaatgctg	cggatgggca	gactgtgagc	tgggctcagg	tttggccggg	tctctgtgcg	240
tatttcgggc	ttgttggctg	tgagccgcag	accagccctc	agacgagtat	ggaggacttt	300
gttaatgggc	atatggatct	gtggaagcgt	cttgctgagg	tccatgagtt	gaagagcgac	360
actgtggaga	accagaactg	gggccatacg	cactttatgc	tcgtcgattt	tgacttcaac	420
agggaatatt	cgctggagaa	agttaggtct	attgggttca	tggaacgtat	tgatactgta	480
gaaggctata	agaccgtttt	cgatcggatg	gttactgcca	aactgatccc	gtcgtttcgc	540
tga						543

<210> 13559

<211> 222

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (80)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13559

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tcaaagcatt	acttaaaggc	tggttatttg	aaaacccttg	cctactatgt	atcccttttg	180
aagaaacgca	ctaattggcgt	tgatggactt	ccgaagttgt	ga		222

<210> 13560

<211> 261

<212> DNA

<213> A.fumigatus

<400> 13560

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gcaggtatcg	tggcctaaac	catggccgcc	cacgcttaca	taatcccgc	ggctgcatgc	180
acgtttccct	ttttttccct	gcagggtggc	tatcttattg	cagaagattt	cacaacttcg	240
gaagtccatc	aacgccatta	g				261

<210> 13561

<211> 2970

<212> DNA

<213> A.fumigatus

<400> 13561

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aaaactgacg	acttgagctc	gggcatagat	ccttcaggac	aagcaggggg	tgacatggtg	180
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aacggcgaag	ccgagcaagc	cgaccttaaa	tccaatgagc	cacagaacga	ggggaaggca	300
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ccggtatgag	ctgtcgatga	aaataaggga	gaatctcggg	acgttcaagc	cgtcaaagag	720
gaaacctcac	ccgaaaacgc	tgcggaagta	gcaaacgatt	cccagccaag	tacatttgag	780
gaaatccatc	tggcaggagc	ggaacagtcc	gcgccagacg	cgatagctga	gatcatgggc	840

gaatcccagc	ccgctgaacc	tcaagacgtc	ctagccacag	cacccgaaga	gcccattgac	900
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tcgggtgcct	cagaagcacc	tgcagggtat	gaagatgtca	cgcccatctc	tgcagcggag	1140
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gcaggcactg	cagatgggaa	cgcggatttg	cctgccgcgc	ccgaagactc	cttgaaaaca	1440
gatcaagaac	caatgccaga	ggagccaact	gtaagccaac	cgatcgttga	cttggttgct	1500
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gaaccagaga	acattgcaga	agcgccttcc	aatgaatcca	cacaggagcc	tgtcgcagag	2580
gaagctcaaa	cagcaaagtc	caagaagaaa	gcgaagaaag	acaaaaagaa	acgaaagtct	2640
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ccgaaagata	gttctgagga	gtttcagtc	ggagaagcag	tccttgagag	ccctcaagat	2820
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acagaacaac	acaagcaggt	gacagagcct	tctctagttt	caataaacga	ggagtctcac	2940
caagcggggc	gaagatccga	gcaatgcgct				2970

<210> 13562

<211> 1689

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (73),(106),(116)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13562

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tttagcgtag	acgacaagcc	tgtctcaagt	gacaccacaa	tctaccgtgc	tgtccaccac	240
aatcgtgaac	acgcggatgc	aggggtcaagg	aatgtgtggt	ctgccattca	caccgtcaaa	300
ttcagacggg	ttccaggacc	gccgcccccg	gagccttcta	ccgttgcgcc	ccacctcgaa	360
gaagaattat	ccggcaacgg	tgctgagatg	ccatcctctc	tcagcaaaga	ttctatcaca	420
gcgccgatcc	tacggctcct	tcgggtctctg	cacgagatga	atgtcactct	agatgacata	480

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cttgctgata ccaaggagct tgtagcacta aaaccggagc cgctggcgca atttatcaac 540
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tgccctgcta gctggagcga agatctagca cggcttttcc cctttctatt cccgtttgaa 660
accggcatc tatttctcca gtgactgct tttggctacg cccgagctat gatgagatgg 720
caaaattccc agaatgcgga tgacagccgg agcgaccacc gacgtgatga cagaccattc 780
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ttcccgtact ctgcgcttcg gactttcacc cccaacgagc tcgtcatgct tttcggaaga 1620
gctgaagaag attggactat tgagagtcag ttaccttcca tatttgataa ccgagaagct 1680
gttcactaa 1689

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<210> 13563

<211> 381

<212> DNA

<213> A.fumigatus

<400> 13563

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tcccgtactc tgcgcttcgg actttcacc ccaacgagct cgtcatgctt ttcggaagag 120
ctgaagaaga ttggactatt gagagtcagt taccttccat atttgataac cgagaagctg 180
ttcactaaca tcatggcttt agctctcatg gactcaatca aagccgatca tggatttaat 240
atggacagca agagcggttc aaacttactg cagacaatga gcgagttaga taccagcaa 300
cggcgcgatt tcctccaatt tgtcaccggc agcccgaaac ttctatttgg aggtaaacat 360
caccttctct ctttgttttg a 381

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<210> 13564

<211> 216

<212> DNA

<213> A.fumigatus

<400> 13564

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ctttctattc ttcttctagg tttcaagagt ctcacccta ccttcaccgt tgtctgtcgt 60
cccagtgaac ctcttacac tcccgatgac taccttcca gcgtcatgac gtgtgtgaac 120
tacctcaaat tgccagacta cagcagcctg gaggttcttc gagagcggct gtccgttgct 180
attcgagagg gtcagggtgc cttccacctg tcctaa 216

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<210> 13565

<211> 201

<212> DNA

<213> A.fumigatus

<400> 13565

```

tctcaaagac gacagaggcg aagtaataga aataattatt cccgttggtc gtcacgagaa 60
tacatcgcca aggggtatga tgctgttact agataccgta ccaatatgca gaccgaaaac 120
gctgtccttt cttctttctt cctttttctt tttatgatcc gccagttgct tcataagttt 180

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ttccttcatt ttcgattgta g

201

<210> 13566

<211> 315

<212> DNA

<213> A.fumigatus

<400> 13566

accatatatg	agtctatatc	ggtcatgcat	gactctatca	tatattcttt	agttttcagt	60
ccatacttca	agaatgccct	acaagtacaa	ctaattagta	tgactccgag	ctcactctct	120
cataaacaac	gtacagtatc	agtctgcagt	ccgttacaaa	aattgatcgg	agcccatcat	180
cataatgtct	caccaaacct	tcatgttcct	agtttataca	caagacgtac	ggagcatata	240
ttctcgccat	tactgtctcg	gcaaaccgat	accaagaacc	agactctcgg	catgccgatc	300
ttcttatcta	agtga					315

<210> 13567

<211> 849

<212> DNA

<213> A.fumigatus

<400> 13567

cttaagaccg	ccatgtcgtg	gtagcaagg	cccttcgct	gcctgagcag	ggtcaaccca	60
gcgaccagac	ttgtcgtcc	cgtatctaca	tgccgtcct	ctcaacgatg	catccaggga	120
gcatcagccg	ttgtcgaaga	tcaccactcg	agtcacacgt	cttccaccgt	tgatgatggc	180
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cccacgcacg	acttaatctc	ccaaacaccc	atcgccaag	ccctccgtcg	cgatccccgc	300
tacaccgaat	cccgctctca	tctcgcaatg	aaccccagcc	ttcgccccgaa	tcactttgtc	360
gcaggaccca	actctggccc	aggcaagatc	tccgtcccgc	cctatgtctg	gatggcgaag	420
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ctgaatgtgg	atttcgccgaa	acccgcgctg	ccggaccgac	tctatgtgct	tcgggccgag	660
acggtcaagg	tcgaaggccg	gaaggcggtg	gtcgagggga	cgtaaacttc	gctgccgccc	720
gtgggtgaca	cgagtgcgac	tggttatggt	gccgagggaa	aggctttgtt	cgtagaacgg	780
aaattcgcag	aggtatgttg	caaccataag	tttcgcgagg	atgattgcca	tactgattca	840
gccaattag						849

<210> 13568

<211> 261

<212> DNA

<213> A.fumigatus

<400> 13568

aaaccaaccg	tcaccatgaa	gttcactgga	atcgtcgctt	ccttggtgtg	tgccagctct	60
gcctctgtct	tgccatccc	tcagaccctt	gttgatgcca	ccctgagcaa	gctgaacaat	120
gctctcaaca	atggtgagg	tctcgtcgg	ggtctcctcg	gcggtgtttg	tgaggagggtc	180
gacctacccc	aggttcagac	cggatgttcc	tttacgggaag	gaacctctga	aacgtgcaaa	240
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<210> 13569

<211> 339

<212> DNA

<213> A.fumigatus

<400> 13569

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gtctctgcc	ccaagcgtga	tgtcatgagc	acggctaaca	atgttgctac	gcccgtcacc	120
ggtgcgccg	gtagcgaact	cgacaatgtt	gaggggtgctg	ttaagcccgt	cactaatgtc	180
gctggcaacg	cagtcaacac	cgttgaggat	gttgctcagc	ctgttgctga	tgttgcgggt	240
ggcgccgttg	gcaccgtcaa	gaacactgtt	ggcggcgctg	ttggcaccgt	tgagaacatt	300
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<210> 13570

<211> 2520

<212> DNA

<213> A.fumigatus

<400> 13570

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acattcaacg	atatacgcaa	cgttgctaag	catgctgcaa	ggctggggca	gtgtttctct	180
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attcaagata	gtgtctttca	cgataagctc	agagctatgc	tacagagtct	gaacgaatca	600
atggagagt	attctcaggc	tctgtgttgg	ctaaagaagt	atgtggatcc	taaccagatg	660
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ctccctattt	cctctgaccg	gttacatttg	agtgcacaag	ctccagatgg	ctttaacttg	2400
ttagaactca	atgacaacac	ggcactcgac	aaacccactg	agggtagggc	agaggaaact	2460
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<210> 13571

<211> 204
 <212> DNA
 <213> A.fumigatus

<400> 13571
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 ggactttctg gactttctgg actttctgga cctcccgga tttctggact ttctggactc 180
 gtctacatag aattcaaggt ataa 204

<210> 13572
 <211> 726
 <212> DNA
 <213> A.fumigatus

<400> 13572
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<210> 13573
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 <212> DNA
 <213> A.fumigatus

<400> 13573
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<210> 13574
 <211> 615

<212> DNA

<213> A.fumigatus

<400> 13574

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<210> 13575

<211> 2064

<212> DNA

<213> A.fumigatus

<400> 13575

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2064

<210> 13576

<211> 786

<212> DNA

<213> A.fumigatus

<400> 13576

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<210> 13577

<211> 267

<212> DNA

<213> A.fumigatus

<400> 13577

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<210> 13578

<211> 1464

<212> DNA

<213> A.fumigatus

<400> 13578

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<210> 13579

<211> 1134

<212> DNA

<213> A.fumigatus

<400> 13579

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aacgacgcca	aagatgccta	tggctgggtc	cggacgggtg	atgtggccta	tgtccagaac	1080
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<210> 13580

<211> 405

<212> DNA

<213> A.fumigatus

<400> 13580

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<210> 13581

<211> 183

<212> DNA

<213> A.fumigatus

<400> 13581

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<210> 13582

<211> 255

<212> DNA

<213> A.fumigatus

<400> 13582

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<210> 13583

<211> 522

<212> DNA

<213> A.fumigatus

<400> 13583

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<210> 13584

<211> 783

<212> DNA

<213> A.fumigatus

<400> 13584

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<210> 13585

<211> 303
 <212> DNA
 <213> A.fumigatus

<400> 13585
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<210> 13586
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 <212> DNA
 <213> A.fumigatus

<400> 13586
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<210> 13587
 <211> 342
 <212> DNA
 <213> A.fumigatus

<400> 13587
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<210> 13588
 <211> 1080
 <212> DNA
 <213> A.fumigatus

<400> 13588
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<210> 13589

<211> 642

<212> DNA

<213> A.fumigatus

<400> 13589

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<210> 13590

<211> 225

<212> DNA

<213> A.fumigatus

<400> 13590

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cctgataagc	aaatggacga	ttctccagac	tccattgcca	tgatgcaaga	gcacaagggtg	180
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<210> 13591

<211> 1137

<212> DNA

<213> A.fumigatus

<400> 13591

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gggtgtaatg	tggttttcaa	gtgtgtgggt	atggggatta	tggatttggg	gattgggaag	1080
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<210> 13592

<211> 678

<212> DNA

<213> A.fumigatus

<400> 13592

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cgtgatcaac	gtattctcgc	cggagggcgg	gctcctcggc	ctgctcagcg	ccgcagaagt	420
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gctggaggag	ttggagaggg	aggttatcgc	ggagctgcga	gcttctcatc	cgaagatcgt	660
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<210> 13593

<211> 321

<212> DNA

<213> A.fumigatus

<400> 13593

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agatgcgatg	gttgtcgctg	agtcaaggag	aagtgcgagg	gaggcgtgcc	ctgtcggcgg	240
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<210> 13594

<211> 204

<212> DNA

<213> A.fumigatus

<400> 13594

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tcgacaagcg	ctccttcatt	agagcaaagc	aggctcagat	ccatcagcaa	cggcaccagc	180
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<210> 13595

<211> 438

<212> DNA

<213> A.fumigatus

<400> 13595

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gatgaagtca	acaaggtaact	tggtaaaatg	cccgtcaacg	aggctgaaga	agtgggtggag	360
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<210> 13596

<211> 915

<212> DNA

<213> A.fumigatus

<400> 13596

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<210> 13597

<211> 1416

<212> DNA

<213> A.fumigatus

<400> 13597

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<210> 13598

<211> 1875

<212> DNA

<213> A.fumigatus

<400> 13598

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<210> 13599

<211> 1041

<212> DNA

<213> A.fumigatus

<400> 13599

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<210> 13600

<211> 828

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (215), (220), (268)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13600

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gaagccgatg cagctcaatc gcaagcggaa ctaanatcan ctatcgccga tattctatcc 240
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aataaaacca caatcgagga atgggaaaac ctccacgect tcctagcatt catcaccaag 360
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<210> 13601

<211> 1017

<212> DNA

<213> A.fumigatus

<400> 13601

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<210> 13602

<211> 996

<212> DNA

<213> A.fumigatus

<400> 13602

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<210> 13603

<211> 198

<212> DNA

<213> A.fumigatus

<400> 13603

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aaaaattaca	tcgaagggac	caaattactt	ggtgcctatc	tgactatgt	tgccggaggag	180
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<210> 13604

<211> 633

<212> DNA

<213> A.fumigatus

<400> 13604

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aagatcaaag	ctgagaatgg	gcgtataatt	tccactaaga	aggcggagct	cgactcaatt	180
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gagaagctga	gaaacagaga	gcaagacatc	aaaatcttaa	gagatctaaa	agatacagcg	420
gatacgcatg	tggaaaaatc	agatcagcag	gaatcactca	gaagccgcat	taggaacggt	480
cgaacccaag	tggcctgggc	acaggttgag	gaacaggaaa	aggcaagtca	cacagtcttt	540


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<210> 13605
<211> 624
<212> DNA
<213> A.fumigatus

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<400> 13605
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atcagctata cgatggacaa tctccacgag tcgctaggta gtaagacgaa tattcatgaa 180
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gctgttaagc aggtcttcgg tgtagaacct gatatgactc gtgaaggcgg caggtacgta 540
aactatttga gtttactttc cagatttgac tacttgcac cgcatacatc ggctaata 600
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<210> 13606
<211> 582
<212> DNA
<213> A.fumigatus

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<400> 13606
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acttcggtac gactaccata catgttatgc attcaacaag ttaacctagt tatacagcgc 180
aaacgtattc gtaggtctga aacatcccg tgggaagaag acaacgaatc aagcgatgct 240
gagacaacga gatcttggtc catcaccgag gctctggatg atgacgagga tgaattggaa 300
ctgctgtgta cacaagcaat tcaagagaaa tactctttcg tcaatgaaga accgaatatt 360
cctgctgagc acggcatcct cgagcgtgtc gaatgttaca atttcattgt tcatgatcat 420
ttccgagtcg aattgggccc gttgataaat tttatcgtgg gcaagaatgg tagtggaaag 480
agcgtgttgc tactgccat aactctctgc ttgggtggta aagcttctgc aaccaaccgt 540
ggtcagagtc taaaagctt catcaaagaa gggaaagagt aa 582

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<210> 13607
<211> 228
<212> DNA
<213> A.fumigatus

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<400> 13607
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aagaacccta cccaagacac catagagttc ctctggagat tgttgtttgt tgagctcact 120
gaatgctggg cgacctgga cgcaacattc aagtatgagg agtgccgagt gcatgcagca 180
acgaagaagg accggacgcg agatattcgc gtatctagcg atctttga 228

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<210> 13608
<211> 639
<212> DNA
<213> A.fumigatus

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<400> 13608
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ggggagctct	gggcagcgct	gaaactcagg	tggataatgg	tatattataa	cgctcagggt	600
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<210> 13609

<211> 186

<212> DNA

<213> A.fumigatus

<400> 13609

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cgactagacg	ttctcacgat	gatctacgtg	tataaactaa	agtacataat	gatatcaatg	180
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<210> 13610

<211> 2313

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (15), (16), (17), (19)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13610

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ccgtgggcag	gtctggtagt	cgacgaagg	cagcgcttga	agaacgacaa	gagccagtta	240
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caccgcatcg	gtcagaagaa	taaagtactt	gttttccagc	ttatgactcg	cggaagtgtc	1140
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agaatggttg	cggaggaggg	tgatgggcgg	gatttggaat	ctatattgcg	tcacggagct	1260
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tetcaattca	gctttgccag	ggtctgggcg	aatgacaacc	aaaatctgga	aggccaactg	1440
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<210> 13611

<211> 1410

<212> DNA

<213> A.fumigatus

<400> 13611

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<210> 13612

<211> 594

<212> DNA

<213> A.fumigatus

<400> 13612

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aagcaaagca	atTTTTtTgTg	tctatcccaa	accaagccccg	ctctgcagct	gcgtcccagg	180
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<210> 13613

<211> 540

<212> DNA

<213> A.fumigatus

<400> 13613

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aaattcatgg	atgatttTga	cctttcagag	ctatcagagc	tgagctctcc	gccagcatcc	180
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gtcgtcatcg	cggtgctgg	tatctccacg	tctgcaggca	gtatgcactc	ccttcagcct	480
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<210> 13614

<211> 585

<212> DNA

<213> A.fumigatus

<400> 13614

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<210> 13615

<211> 1905

<212> DNA

<213> A.fumigatus

<400> 13615

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<210> 13616

<211> 981

<212> DNA

<213> A.fumigatus

<400> 13616

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aaggatcacc	gtgaccataa	gatccggggc	caagttgtcc	agacgattcc	tatacttgcc	780
tcgtacgccc	ctgtcgactt	tacagaaaca	tacctacata	ggttcatgat	ctacctgcag	840
gcgcaattga	agagagacaa	ggaacgagac	gcagcattca	tagcgattgg	aaaaattgcc	900
aatgctgttg	gtgctgccat	cgcacagtat	cttgatggaa	ttattatcta	catacgcgaa	960
ggattggccc	tgaagcgta	a				981

<210> 13617

<211> 219

<212> DNA

<213> A.fumigatus

<400> 13617

aggttgactt	caaagtcca	ccctgggggtg	tggtttacca	acatggcgca	agcaggtcct	60
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attacggaca	tcactcagcg	actcttcagt	gaattgaagt	ccaagaatga	ggagacgcgg	120
gtaagagctt	catttgagct	ctatgataac	gtcctggcta	tctcgagagg	taacacttcg	180
cactttgggtc	gcaccccgaa	cttggcta	attcaatga			219

<210> 13618
 <211> 381
 <212> DNA
 <213> A.fumigatus

<400> 13618						
aagcgtaagt	ctctgtgctc	tcaacttatg	gaaagtgagc	taacatttgc	tagtcgaaat	60
cgagctgctg	taaatgaagc	accaatgttt	gagtgcacat	gcatgctctc	tttggctgctc	120
gagcagtcgc	tcagtaaata	catggaatct	ttacttgacc	ctatatattgc	atgcccgggtg	180
agcgagtcgc	tgacgcaagc	acttgtccaa	ctggctcact	atatcccccc	tattaaacgt	240
accattcagg	agaagctcct	ggatatgctt	agcccggatc	cttcatggga	cacccttccg	300
tcccctcggg	tgcccagaga	gcaggctacc	tcccattgcc	tctttcgcaa	aggacttcgc	360
tccacaagag	ttgcactctg	a				381

<210> 13619
 <211> 237
 <212> DNA
 <213> A.fumigatus

<400> 13619						
agtatgattc	ttccgggtgcc	attgtctccg	acattctttc	gcctgcttga	tctggaagat	60
ggcttacgtg	cgagtagtaa	accagtatat	ggcttaactc	ttctgtttcg	ttggcgagaa	120
gatgatcctg	ataaacagga	agcaagctgc	ccagaagggc	tttggtttgc	aaaccaggtc	180
tgtctcctta	tatgtctcat	actcatttcc	cttgacttat	cttgcaaaga	cggctag	237

<210> 13620
 <211> 321
 <212> DNA
 <213> A.fumigatus

<400> 13620						
tccgtcgtat	caccgtgtta	tctgcacttc	aactcacatc	tgaaacgcag	aaaaatggac	60
atactgaact	cagatctaca	gctgaagggtg	gagggcacat	ccaaacgttc	tcgatcgggc	120
aaggacaggc	atgatgagtt	tgagactgac	gctggattcc	attttatcgc	gtttgtcccg	180
gcgctgggca	aagtctggaa	gtttgacggc	ttggagcgtc	agccccaagc	tctcggttaag	240
tatgcttcga	tctgcacaaa	cgagggtaga	catgagttga	ttataatcca	ggggaatatg	300
cgcccagacga	tgactgggtg	a				321

<210> 13621
 <211> 405
 <212> DNA
 <213> A.fumigatus

<400> 13621						
tctttctggt	tcgttggcga	gaagatgac	ctgataaaca	ggaagcaagc	tgcccagaag	60
ggctttgggt	tgcaaaccag	gtctgtctcc	ttatatgtct	catactcatt	tcccttgact	120
tatcttgcaa	agacggctag	taatgcctgc	gcaagcgtcg	cactcctgaa	cattgtaaac	180
aatatcgaag	gagttgacct	tggggaaaat	ctacgacatt	tcagagaatt	cacaatgccg	240
ttcacaccag	cgttgagagg	tgacgccatc	aacaactttg	aattcgtaaa	aaggatacac	300
aactcgtttg	caagggttgg	cgtttggttac	actccactc	ctcccctggg	tcttcttcat	360
aatccgtcgt	atcacctgtg	tatcgtcact	tcaactcaca	tctga		405

<210> 13622

<211> 201

<212> DNA

<213> A.fumigatus

<400> 13622

aggagcaccg	tggatacttc	cagccccgtg	gtgaagacca	taacgtactt	caaagactat	60
cgtttcaaag	aactattcat	cgcggactat	ccgttcagg	ccttacatat	catcatcagt	120
ttacaagtat	ctccttgtgc	ttattctcaa	gatatcatta	cgactaccat	actccgtaca	180
caagatacca	tctatggata	a				201

<210> 13623

<211> 234

<212> DNA

<213> A.fumigatus

<400> 13623

caaaaatggc	tgcaattgat	gtcgtcgaga	ctcatgtgga	tgtttagtcg	gccgcaattg	60
cgcaaaacag	actcacagca	gactatatgc	tatgtgatca	ccatcttaaa	cacaggctgc	120
agatttagac	aacatggtag	ctctctatgc	cttgaactta	tatcttcccg	tcacaccatg	180
tacatagaat	ataagcatat	gatttacttc	attgaagacc	catatctgct	ctag	234

<210> 13624

<211> 315

<212> DNA

<213> A.fumigatus

<400> 13624

cctcaattat	acttgacagta	cgcccgggtgc	ggtgtgaact	cgcaaataag	tgtgcttgca	60
tacgatccag	tccagtctct	tatggccgta	ggtaccagcg	acaccagtt	tggcagtggtg	120
cagatctatg	tgtttggaca	gcgcaggggtg	tccggcgtct	tttcggtgcc	gcggaaggca	180
tgggccaaat	tcctacagtt	ctgcgcgcgac	aagatgatca	gcgtcgactc	gaacagcgaa	240
atcactattt	tctcgctgga	gaccagagaa	gcgctgggtt	cgtacgcccc	gccgagccat	300
gccacggccc	tatag					315

<210> 13625

<211> 840

<212> DNA

<213> A.fumigatus

<400> 13625

gcgctcttgg	cagggggacat	tattgcttac	gacttggatc	gggagtcctt	gacaccattt	60
agagtaccta	atctctgggc	cgagcgcaat	ccccggggcgc	gactgtgccc	agtcttttct	120
ctggcctttt	cgctcggga	tattggcaag	atattgggtcg	gatatccga	agggggccgtc	180
actttcacct	tcaaacagaa	tgctcgctcag	aagtacttcc	aatatgaaat	acctccgggt	240
gcagttgggg	gcaattccga	gataccctcc	caggatacac	gcagacccaa	gttgaccaga	300
gcgctgtggc	atcctaacgg	tatctttgtt	ctgaccgttc	atgacgacaa	cagcctgggtg	360
ttttgggatt	cgaaggatgg	gcgcaagatc	ctcgcccggga	cgatggagaa	tacacatatt	420
gacgaacctg	gcgccagccc	aaaccgacgg	ttttcaacgg	ctgaagccat	tttcagagac	480
ccaatcactc	aggttgcatg	gtgtgttaaa	gccaacggag	aggacagcgg	ccttcttatt	540
gcaggtggtc	ggcctaaggc	tgagagtaac	aagggtctga	ccttcataga	ctttggagca	600
actccaaact	atcaaaactc	aacatggcca	atgatcacta	attattttga	aaacccaaaa	660
caagttcaga	atattccagc	acctcctggc	gcggaagtca	tcgacttttg	cctcattccc	720
cgttcctcgc	cattctatgc	tggcgcccat	gaccccatcg	ctatgattac	gcttctttct	780
tcggggagaac	tcactactct	aagctttcct	agtgggtcatt	caatcacacc	tacgatcatg	840

<210> 13626
 <211> 945
 <212> DNA
 <213> A.fumigatus

<400> 13626
 gggttggtgca gcgctgatgc ctctgcccgt ctggtgaaga ttagacggga gtcggtgatg 60
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 ttcgcgtgct cttgcacgcc tctgtttctc cgtgatggct tggtcgtaga ttctggctcc 180
 aaggcattga cgaagctctg tagtttcgaa agaccatgct catctacttc agcctcgtca 240
 cctgacattg atagcccgtt ttctcgtca gattcatcgt cgctctcttc gctatccgag 300
 tcatattcct ccgactcatc cggttcagcc tgcttctttt tagatgccc tgccctttcc 360
 ttctcctcct cagctgtatt cagatcccag gcagtagtaa gatcgatggc atcctctcca 420
 agatcgtcat cttcgtccat atcttctgtt tctctctctg attcctcgac atcctcgtct 480
 aggttgattt cgcgcacgcg tttggatttc tttggtttcg gtttcgacc ggcatgggtt 540
 gtcgagcttc cgcgaaacgt aaaaccctca aagcgttctt cgtcgcttgt gcccaaggcc 600
 tcgtcactgt ccaactcttc gtgcgtcatc ctgtcaactt ggcccaatct ccatctgtgt 660
 ccttccccgt cactgccggc attactgctc agttctgatt catcatcacc cccaaatcga 720
 cgccgtttgt tatcagggcc atccgagtcg tccatatcac ggttgggggt ccgtttgccg 780
 ttggaagggt catggatctt gcctaagcgg ttgcgcctta ctctaattt atcggttacc 840
 tggctttctg cgattgacag cgcattcagt gcttttttcc cagtgttctt tttgggtgcc 900
 ggttttttgg aagacgggtc cttgtccttt ggaccccgca actga 945

<210> 13627
 <211> 318
 <212> DNA
 <213> A.fumigatus

<400> 13627
 tgccgccccg cttgcacgac cttttcacaa cccaacaac ggccacatcc tcgacggctg 60
 cttttatcgc actactgcag cgcgcgcatc cacacaatgg caatgttcaa gccttcgcaa 120
 ccgatgatgg cgcgattgag cctgaccacc aagcaggtca atggcgggta ctacaaggga 180
 aaccggactg gatcaatggg ttacttcgag aagaacgggt cttatgtgat tgattggaag 240
 aaagtccgca catatgttgt ccttgaaaat ctggccgatt tcaagggtgc ttgcttaaca 300
 ttagccataa atatttga 318

<210> 13628
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 13628
 cttctagcac ttgagataac atctccaaac cagctcacgc cgtttgtgac gaaacgcatg 60
 gctccgacaa agggcaagta cacgagagag atcgagaaga acggcagaa gggtatcgtc 120
 gagcgagcgt ttggtgagaa ggactatctt gacatgtggg cttcgataa cggacaagag 180
 gtgctggagc aggaaagact cgagcaagaa tcagcagcga gtgagacagc gtcccggcaa 240
 tga 243

<210> 13629
 <211> 273
 <212> DNA
 <213> A.fumigatus

<400> 13629
 ccggctacga atccccgct tgctgacgtc cccaagtccg atacatccgc gatctccgat 60
 ctacgagtgt attatatgta cagtatgagt gttggtgctt gctgcgtcgc ggccgagtcc 120

gcagtctttc	aggatatcat	caccagctat	gtgaatggtg	gctactgcag	tggacgattc	180
agcattttcc	ctggtgttta	cttcgttaaa	cggcgcaatt	tgggttttgg	catcttacia	240
gacatgtcca	tgggttcattg	ttataccagc	tag			273

<210> 13630

<211> 216

<212> DNA

<213> A.fumigatus

<400> 13630

ggtgatttcg	cgcacgcgtt	tggatttctt	tgggttcggt	ttcgacccgg	cattggttgt	60
cgagcttccg	cgaaacgtaa	aaccctcaaa	gcgttcttcg	tcgcttgtgc	ccaaggcctc	120
gtcactgtcc	aactcttcgt	cgatcatcgt	gtcaacttgg	cccaatctcc	atctgtgtcc	180
ttccccgtca	ctgccggcat	tactgtctag	ttctga			216

<210> 13631

<211> 1038

<212> DNA

<213> A.fumigatus

<400> 13631

gtagccacat	tttcagtctc	tcatatttac	tttttgactt	tggctcttgat	cgggttttcta	60
gattttctag	attacacgat	gcctcgcaga	caaactcagt	tgccgggtcc	aaaggacaag	120
gaccctctt	ccaaaaaacc	ggcacccaaa	aagaacactg	ggaaaaaagc	actgaatgcg	180
ctgtcaatcg	cagaaagcca	ggtaaccgat	aaattaggag	taaggcgcaa	ccgcttaggc	240
aagatccatg	acccttccaa	gcgcaaacgg	aaccccaacc	gtgatatgga	cgactcggat	300
ggccctgata	acaaacggcg	tcgatttggg	ggtgatgatg	aatcagaact	gagcagtaat	360
gccggcagtg	acggggaagg	acacagatgg	agattggggc	aagttgacag	cgatgacgac	420
gaagagtggg	acagtgcgca	ggccttgggg	acaagcgacg	aagaacgctt	tgagggtttt	480
acgtttcgcg	gaagctcgac	aaccaatgcc	gggtcgaaac	cgaaacccaa	gaaatccaaa	540
cgcgtgcgcg	aaatcaacct	agacgaggat	gtcgaggaat	cagaggagga	agacgaagat	600
atggacgaag	atgacgatct	tggagaggat	gccatcgatc	ttactactgc	ctgggatctg	660
aatacagctg	aggaggagaa	ggaaaaggca	gccgcattca	aaaagaagca	ggctgaaccg	720
gatgagtcgg	aggaatatga	ctcggatagc	gaagagagcg	acgatgaatc	tgacgaggaa	780
agcgggctat	caatgtcagg	tgacgaggct	gaagtagatg	agcatggtct	ttcgaaacta	840
cagagcttcg	tcaatgcctt	ggagccagaa	tctacgaaca	agccatcacg	gagaacagga	900
ggcgtgcaag	agcacgcgaa	gcctacggaa	tacggactga	cctcgtcacg	aaagcttact	960
gttgccgacc	tcttgccctc	catcaccgac	tcccgctctaa	tcttcaccag	acggcaggag	1020
gcatcagcgc	tgcaccaa					1038

<210> 13632

<211> 186

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (6)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13632

gttctntgcg	gcccatttgt	cagtgcctgg	ctttacatcg	cagaccgcga	cgagtctgat	60
ccgaggctgc	tggaaggcga	ggatgcgggc	tcgaaggaca	cccaggcggc	cgaggccaaa	120
aagcgcaaac	ttaacacggc	ggtcccagct	cgatcatggtc	tatgcggtgg	tgggtctttgc	180
gggtaa						186

<210> 13633
 <211> 1089
 <212> DNA
 <213> A.fumigatus

<400> 13633
 actcagtc aa ctttaccgtc acatcgtatc ttatcttcca agggcctagc accaagtttc 60
 tggggccag tctccgacgt aaagggccgg cgcaccgcct acatctgcac atttatagtc 120
 tttttctgcg cgtgcattgg cctgcaggag actaagaact atacgacgtt gatcgttggtg 180
 cgggtgccttc agagtgcggg tagcgcgcagc acgatcgcga ttggatctgg cgtgattggc 240
 gacatcacca ctogtgcgtga ccgcggcggg tatatgggtg ttttccaggc agggcttctt 300
 gtcccagtggt ctgtcggacc agttatcgga ggggcaatcg caggctccct gggatggaag 360
 gctatcttct ggttcctggc tatctacagt ggtgttttct tgtgtctgct gactctcgtg 420
 ctgcctgaaa cacttcgggtc cattgttggtc aatggttctc gaaagccttc ccatccagta 480
 ctacaggtacc cactgaacct ttatcagaag tcaagcaaga tgccatggca gcagcctcag 540
 gatggcttgt ccacagcggg agcaaagaag aagattgacc ttctggggcc gcttcgcatg 600
 ctgctgagta accacgcagc gccgatcatc ctcttctctg cggctacta tgcagtctgg 660
 cagatgagca ttaccgcaat gtcttctactc ttcaaaagcc gctacggact gtctgagctc 720
 cagatcggcc taacctttat cgccaacggg gttgggtcaa tggtcgggac cctcgtgacg 780
 ggcaaaatcc tccgatgccga ttaccgtcgc gtcgaagcaa agtatgaggc ttcattcgac 840
 aacgagcatc gagatgcaat gtcccagact gctcgagagg agaattttcc cctagagagc 900
 gcgcgtctcc gccttgtaacc catcttctcc atcaccaggt gcgtttccat cattctgttt 960
 ggggtggacaa tccagtaccc cgataaagtc ccaatcgcag tgccaatgt ttcaaccctt 1020
 tatcacaggg tggaccgcgt tctccacgca gtctctgata atgacatatt tgggtgacctt 1080
 tttccctga 1089

<210> 13634
 <211> 411
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (154)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13634
 accatgacga gctgggaccg ccgtgttaag tttgcgcttt ttggcctcgg ccgcctgggt 60
 gtccttcgag cccgcacccct cgccttcag cagcctcgga tcgaactcgt ccggtctgctc 120
 gatgtaaagc caggcactga caaatgggccc gcanagaacc taccacgcgc tgtcaagtat 180
 ttttcagacc ctcaagaatg cttgacgaac agcggcgccg aggcacatcct catctgcacc 240
 ggcacagcta cacacgcccc cttgatcctg caggcccttg atctaggctt acacgtcatg 300
 tgcgagaagc ccatctctgt ggacgtcgca accaccaagg cagtgggtga gaagtctgtg 360
 tcgcggcctg acctcaaatt cctcgttccc ttcactcgcc gatgtcagta a 411

<210> 13635
 <211> 510
 <212> DNA
 <213> A.fumigatus

<400> 13635
 gtcgacgccg ggcgatacct gttagatgtc aagtcaggcc tctccaaccc caagaagcaa 60
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 gacgccgaca acgcattgggg cttgggtggaa tttgccaatg ggaagattct caagacttac 180
 ctccggtcgca cgctcaccag cggtttctgag gacacgactc gggtgtgtgg caccaaggga 240
 catttgatca tcagcgttac ctccaatgtt gagattcgcg accatctcgg tattcgacag 300

caatccgtgc	ctgacgcgtt	cactctcttc	gatgcaacgt	tcctggccga	ccttgetgaa	360
ttcgccgatg	cggtgctgga	caacaagccc	ttgacttgtc	aaccagagga	tgcccttgag	420
gcgggaaaga	tttgcgctgc	tctgcagtac	tcattccgca	aggggggtgcc	cgtatacttc	480
gacgacaacg	gtctacccat	catggattaa				510

<210> 13636

<211> 1206

<212> DNA

<213> A.fumigatus

<400> 13636

cactctccgc	tctcctcctc	aaaaccgatg	ataatgcctc	actccgagat	gtccgcacct	60
gtcgttgtct	cgaaaactcc	ttcgggagtc	cctcccaccg	tcgaggaggt	ttcctcgctt	120
atgaacacaa	tcttcacggc	cgagacctca	caacagtcct	tcgatgctgc	ctacgggctg	180
accaaccttc	tcateccagag	cgtcggaacg	tttggctctc	aaagatacaa	catcctcccg	240
gagatcaaaa	gggctgccac	cgataagaag	agcggtgccc	gacgtgagag	tgccatgttg	300
atcattgggtg	ccctgttcga	gcgttttcct	cgcgagcacc	ccctcagcga	agtcgtcttt	360
cttcttcagg	atggtgggtg	cttgaatctg	gcactcgatt	ccctggctga	caagggcgcc	420
gtcgtgcgcg	atgcggccca	gtacgccatc	gacgcgtctc	ttgattgctt	gaaaccagag	480
tcgttggtca	acgctctcat	tcccgccctc	tcggcatatc	tcaacaagag	ctccggtaaa	540
tggcagggct	ttgttggtgc	gtatgccttg	ttggaaaaga	tggccatcaa	ggcgcagatt	600
ggatgggaa	ccatggagga	ggagcgccag	aaggatcttc	tgcgcagcgc	catgggcaag	660
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gccaagcagg	ccagcaaaac	catgactgca	ctcactacc	tgctggacaa	cgacgatgtc	780
gtcctcgcga	ttcccctgct	tatcaagacc	atggagcagc	cttccgaaca	gactttgcaa	840
aacgctatcc	acgccctgtc	tcagactacc	tttgtcgcca	tcgtcacctc	gcccgtcctc	900
gcccttttga	ccccgttgct	cgaacgttcc	ctgaatgccc	ccacgacgcc	ccaggagacc	960
ctgcgcgcga	ccgtggctcg	tgtggagaac	ttgaccaa	tggtccatga	cccggcggaa	1020
gcacgcacct	tcttgcccaa	actcaagccc	ggtgtccagg	cggtcaagga	tcgcgcttcg	1080
ctaccagaag	tcagagaact	cgcgaccgcg	gccatgaatg	tcacgcacaa	agctttgggt	1140
gacagcagcc	tggcggcccg	ctccctggcg	aagacgaccg	gtgaagatgt	tctcactgtg	1200
ccttga						1206

<210> 13637

<211> 783

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (27)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13637

acggccagtt	cccatttgac	caaccangtc	cgcgcgcttct	ctcgagagct	ggccgagcag	60
tcccacctgc	cgcagcatat	tttggacctg	atcaagtcct	tcccccggtc	catgcatecc	120
atgacccagc	tgctccattgc	cgtggcggcc	ctcaacaccg	agtccaagtt	cgccaaggcc	180
tacgagaagg	gcctcagcaa	ggccgactac	tgggagccca	cctttgacga	cagcatctcg	240
ctgctggcca	agatcccgcg	agtcgcggcg	ctggtcttcc	gcccggacga	ggtggaccag	300
gttggtacct	aggctctgga	cgctagccag	gactggctgt	acaacttcgc	cgagctcctg	360
ggcaagggcg	gcaaggagaa	ccaggacttc	cacgacctgc	tgcgtctcta	cctggcgctt	420
ctaggcgacc	acgaggagag	caacgtctcc	gcgcacgcca	cccacctggt	cggcagcgcg	480
ctcagcgatc	ccttcctgag	ctacagtgc	ggtctgctgg	gtctcgccgg	tccactgcac	540
ggtctcgccg	cgcaggaggt	cctgcgctgg	atcctggcca	tgcaggacaa	gatcggcacc	600
aagtttactg	acgatgacgt	gcgcaactac	ctttgggata	cgctcaagtc	gggtcgtgtg	660
gtgcccgggt	acggccacgg	cgtcctgcgc	aagcccagacc	cgcgcttcca	ggcgctcatg	720

gacttttgccg cgacccggcc ggacgtcctg gtgctagccg ccggggctag aaagtacgcg 780
tcc 783

<210> 13638
<211> 348
<212> DNA
<213> A.fumigatus

<400> 13638
actgcccgt tggctctcac caactccgc agatactcga cggccgagcc agatctcaag 60
accgctctga aggcggttat tcccgccaaa cgcgagctgt tcaagcaggt caaggagcgt 120
agcgatgagg tgattggtga ggtcaaggtc gccaacgtca ttggcggcat gcgcggtctc 180
aaatccatgc tctgggaggg ttccgtgctg gatcctgaag aaggatatccg attccacggc 240
aagaccatca aggactgcc aaaggagtcc ccccaagggc acatcaggca ccgagatgct 300
ccccgaggcc atgttttggc tgctcttgaa cggccagttc ccatttga 348

<210> 13639
<211> 423
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (223)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13639
ttggtgaggt caaggtcgcc aacgtcattg gcggcatgcg cggctctcaa tccatgctct 60
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actgccaaaa ggagttcccc caagggcaca tcaggcaccc agatgtctcc cgaggccatg 180
ttttggctgc tcttgaacgg ccagttccca tttgaccaac cangtccgcg cgttctctcg 240
agagctggcc gagcagtcac acctgccgca gcataattttg gacctgatca agtccttccc 300
ccggtccatg catcccatga cccagctgtc cattgccgtg gcggccctca acaccgagtc 360
caagttcgcc aaggcctacg agaagggcct cagcaaggcc gactactggg agcccacctt 420
tga 423

<210> 13640
<211> 285
<212> DNA
<213> A.fumigatus

<400> 13640
ccaggactgg tcgtacaact tcgccgagct cctgggcaag ggccgcaagg agaaccagga 60
cttccacgac ctgctgcgtc tctacctggc gcttcatggc gaccacgagg gaggcaacgt 120
ctccgcgcac gccacccacc ttggtcggcag cgcgctcagc gatcccttcc tgagctacag 180
tgcaggtctg ctgggtctcg ccggtccact gcacggtctc gccgcgcagg aggtcctgcg 240
ctggatcctg gccatgcagg acaagatcgg caccaagttt actga 285

<210> 13641
<211> 825
<212> DNA
<213> A.fumigatus

<400> 13641
ggcttccagc ggcttggcca acccccgtat aacccttcaa aggggtcccc aaggccaagt 60
tggaaccaac ctttttcatt ttgcaaagaa ctttttctcg gttccccgtt ttgcgatttc 120

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catcagcatg ttcgaaaagc gttcagacca attatggtgt ccgaatgcaa gcgcgtgctt 180
cgacctgggtg gttatatgaa gataagtggtg ctcgatctgg acatggtgaa catgggaatt 240
cggaaccgca tagccgtgag gatgctcaag gagaagacat acttggctga cccaatatc 300
agtttaaagc ttgcgagtga cagcctacag aagctgctgg gactacaagg gttcagatggc 360
ttgcggcgct gcatggtgcg gattccgggtg acaggagtga ttgtcagatc ttcagcctca 420
tcttcctcca ctacgtcttc caatccctcc acctctgttg ccaggggtac accgtctacc 480
gctttttcgg ctttgacaaa ttcctcgacg agcgcgcaac aacctaaagt gtacggaaaa 540
tcgccatcca acgacaccaa tttgtctctt ggagacctac tctctgatcc ctccccatct 600
ccctctaacg acgagtcgat acggaagatt gtcgctaaag tcggtcgctg gtggtacaca 660
aggtgttatg agatcccagt tctgccaat ggggatgctg cgtccagtat ctgggccgat 720
aagcgggttc tccgtgagtg tcagaaacga ggcacaggat tccggctgtt gattgcatac 780
gcacaaaaac ccagcgaggt gaaacgacga actgcaagtg tctaa 825

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<210> 13642

<211> 921

<212> DNA

<213> *A. fumigatus*

<400> 13642

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cggcgcggga atggtatgga acgactggat cgaccgcgac atcgacgccc aagtcgccc 180
caccaagaac cgcccttcg cgctcggcgg tcttgccacg cgagccgcca tcatctggat 240
gctagtccag tatgcggcct ccgtctgggt gatggaccgc atgctgagcg ggcagaacct 300
gtaagccgat atcttggtag gtcatggaag aagctcattc tccgtagatg gaccttcatt 360
ctccccctca ccaccggcat catcctctat cccttcggca agcgcggcac cagcgcgaaa 420
ctgggcatct acccccagta catcctcggc gccagcagcg ccctcaccat cctccccgcc 480
tgggcctccg tctacggcga cagcgtggcc cctcccgacc tgctcgccaa atgtctcccg 540
ctctgcgtct tctgttcct gtggaccatc tacttcaaca ccgcctacag ctaccaggat 600
gtcaaggatg acagtcggct cagcgtcaac tcgtcgtagc tctggcgggg ccagtacgtg 660
cacggcttgc tctgctgca agccgtcgcc gtggtcatgg tgatcccgtg gattctgcat 720
gagaacggct ccgcgtggct ctggttctcg tggctggggg tgtggacggc cgctctcgcc 780
gagcagctct atctcttcca tacgaaggac ccgagtaccg ggggccgcgt gcaccggcgg 840
aatttcgcgc tggggatttg gaatgttctg gcttgtttcg ttgagctgct gcttgtgtcc 900
gggtctctgg atatgttcta g 921

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<210> 13643

<211> 429

<212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (65)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13643

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aatagggtccc cagttgggtc catcttcctt gcggcagcct cgggacacgc cgatggcgtc 180
cacttctctt ccgattgggt gcttgccgc gcgggactgg tcttgcggtg tacatatcta 240
ttgagcggcg ccggaatggg atggaacgac tggatcgacc gcgacatcga cgcccaagtc 300
gcccgaccca agaaccggcc cttcgcgtcc ggccgtcttg ccacgcgagc cgccatcatc 360
tggatgctag tccagtatgc ggcctccgtc tggctgatgg accgcatgct gagcgggcag 420
aacctgtaa 429

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<210> 13644
 <211> 504
 <212> DNA
 <213> A.fumigatus

<400> 13644
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 ggagttcgca cggtcgcgtt cggcggaaga cctcagtatg gacctatgca ggccattggc 120
 ggcaactcgtg gcggccagaa tctggcatac ggtgggatct actcttatgt tgaaacggcg 180
 cacaatttga tccggaagtc tctacggaat ggctcgacac ctctgatgtc atttcaagag 240
 tgggcgcaat tcaaccgatc gatccccgc gaccccgatg agttcccgtt cgtctttggc 300
 ggaggagtca acctgcgcaa cgagtacgcg cccgggtgacg acgcaacacc gcagcaattc 360
 acctaccagg cggcggaactg tccggtgttc tacacagcag aaagctgggt ctccgcaggaa 420
 gaagtgtggc gagctgcagc agtggcctttg tttggaggca aaagcagctg tgtccggggg 480
 tccatgtcca atgcgaggca gtag 504

<210> 13645
 <211> 1206
 <212> DNA
 <213> A.fumigatus

<400> 13645
 catggctaca aggtagtctg gccctgctct gctgaacttc cagcccaaac tgacaaagac 60
 aggatcatcg cttcgtggta tcaaatgaac caggattccg acttcccgtc tcctggcgct 120
 ggcattgccgt ccgacatgta tgcacctcat cagcgggtaa tagggagaga tgcgtcgtcc 180
 aagcagacat tactccgggg tgctattgag ggccacgttc tcgtcaaaaa taaccacagc 240
 gccctgccgc tcaagtcacc tcaactgctt tccgtgttcg gatacgaatgc caagggaccg 300
 aatgcgctga agcaaaaactt caactgggtg tcatacagcc ctgccattca ggaaaaccac 360
 acctatggg tgggagggcg ctctggagct aataacgctg catatatcga tgctcctatc 420
 gatgccatcc agcgccaggc ctacgaggac ggcacgtccg tggtgtacga tatttcatca 480
 gaggatcccg aagttgaccc cagcactgat gcgtgtctgg tcttcatcaa ctctatgcc 540
 acagaagggg gggaccgtcc tggactcgtc gacaactcga gcgataccct ggtgaagaac 600
 gttgctagaa aatgtgccaa caccattgtc accatccaca acgcccgcgt ccgagtgggtg 660
 ggcgagtggg ttgaccatga gaatgtgacg gctgtcatct tcgctcatct gccaggtcag 720
 gacagtggga gggcattggg ggagtgtctc tacggccggg ccaatccgtc cgggaaactg 780
 ccgtacacag tggctaagaa agccgaggac tacggcagtc tgttgcatcc gtccctgcc 840
 gagaccccat atggactgtt cccgcagtcg gactttgacg aaggggttta cattgactac 900
 cgcgcctttg acagggccaa catcacgcga cagttcgagt tcggcttcgg actgtcatat 960
 acgagctttg actattccgg cctacagata agcaatccta agcaatctcc gcaatatcct 1020
 ccgtcagctg ctatccagca aggtggaaac cctcatctgt gggataatat tgtcacgggtg 1080
 tcggcgggaga tcaaaaacac tggacgtgtt gccggtgccg aggtggcaca gctgtacatc 1140
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 aggtga 1206

<210> 13646
 <211> 570
 <212> DNA
 <213> A.fumigatus

<400> 13646
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 caaggacaga ctaacggagt tcgatgtgct gattgttccct ggggcgcgac cgaaccatat 120
 tctcccgttc ctcatgccag atgggcatct gtacgaactg ttagagttga ttactgcgtt 180
 tgcaaaactcg gccccaaaag tcctggaccg ctgggcgaga gggttctttt ttctgtttgc 240
 agcgggtcat atcttctagc cgccggcagga gttctggatg gactcacggc gacatcacac 300
 cggttggggc tcggagccct gcgacaacta ggcgacgagt ataagagtcg gacaccgggg 360

gcgaaaggga tggaggtggt gccggagaat gtaacgggca ctgttacta tgtcgatgca	420
ggaatgaacg catcgaggt gcgcattgtc acgtccggga gcatcaccaa cggcattgat	480
gcggccttgt accttatctc gctacggtcg gggagaccgg acgcggtgga ggtggcgctg	540
tttatggggg atacatggcg ggaaatgtaa	570

<210> 13647

<211> 261

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (23), (83), (206)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13647

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caacatgccg gattcgccgg tgctaacgct ggactagaca tggatgatgcc tagcaccgag	180
acatggggag ctaatctcac taccgntatt tccaacggga cgatggacgc atcgagattg	240
gatgacatgg ctacaaggta g	261

<210> 13648

<211> 366

<212> DNA

<213> A.fumigatus

<400> 13648

gcaatcctaa gcaatctccg caatatcctc cgtcagctgc tatccagcaa ggtggaaacc	60
ctcatctgtg ggataatatt gtcacggtgt cggcggagat caaaaacact ggacgtgttg	120
cgggtgccga ggtggcacag ctgtacatcg gcatcccaa tggctctgta cgacaattgc	180
gtggattcga gaaggctgat gtctcaggca ggtgagataa cacagggtgca gttcgcttgg	240
aaccgacgtg atctgagcac atgggatgtc ggggcgcagc agtgggtcatg gcagcgggga	300
aggtatcggg tgtacgttgg ccggtcgagc cgggatctcc ctctgacagg gtcattcacc	360
ctgtag	366

<210> 13649

<211> 201

<212> DNA

<213> A.fumigatus

<400> 13649

gatacttcat acccactctc tgcgtcagac acatgtccca cacggtacaa tcgcgaatat	60
aatatgccaa ccgtcttctg ctctgtctat ccctccgtca atactctcga cattaacggc	120
cctgtcggct cctattccag ggcggctact ccacgctcat cgccgcccac gaccaattca	180
ccacctccca ggaaaacgta a	201

<210> 13650

<211> 441

<212> DNA

<213> A.fumigatus

<400> 13650

tacgccaaagt gcggttccct ccagccgccc tgggtgaaga cagcagtcac tattcttctc	60
tctctgatca acattggctc ccaggttgcc ctggcggcca ttgtatcact gaccatcacc	120
tccttgatat ctgcctacat tctttccatt ggctgcgtgc tcctgaagcg tatccgaggc	180

gagccccctgc	cacctcgccg	atggaccctt	ggccgcttcg	gcatggccgt	aaacattgct	240
gcttttggtt	tcttgattcc	catcttcggt	ttttccttct	tccctctgac	aaagacagta	300
gacacgaaaa	caatgaattg	gagtgtggtg	atgtaccttg	ctatgcttac	ttttgcgtct	360
ggatactatg	tgctctgggg	ccggcacaac	ttcatcgctc	ccgtggcgct	ggtgaagaga	420
cagggcggat	actgcggatg	a				441

<210> 13651

<211> 1143

<212> DNA

<213> A.fumigatus

<400> 13651

ctagagatat	ttgagtcaag	gtctgaccgt	tcatttacta	tagtgcacgc	tgttttacca	60
ccgatgacgt	cctcgacaaa	ggattcgagg	ttcagtcact	ccagcaatgg	agactaccga	120
accatccccg	tttcttccac	ctcccaccca	gacaaccag	tcccgaaga	acctcgact	180
cggtcactgt	caatcactga	cacgagcttc	aatggctcgt	ctcccgtca	agaaaccgaa	240
ggctcgaccg	acttagatac	tccgccgacg	cctctcactc	cgctagatga	agagcaacct	300
gattcgcgcg	atagccgaaa	ggagtttaca	gacagcgga	atgggcatca	aagacgagca	360
tccactgtcc	tcatacac	gaactccgag	gacatgagac	gggtcttgga	gagcgtgggt	420
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ccgttgacca	agctcggacc	gctacctagt	gctaacgctg	tactcctcc	ggacaatgaa	540
gcctttaaaa	aactcaacct	caatattgaa	tacctacat	tggacagcga	actcaccaac	600
attgttcccg	taccagagaa	gacagtgtcc	ttctcagcgg	tagcagcgtc	agccttggat	660
ctgaagctgg	gtcccgcgga	tcacccgccc	actttcgttc	agccacatcc	accgtacaat	720
gtgtttcggg	cgcctttaca	tcacgcccga	gagctcacca	agcctggcgc	ggagaagcgg	780
actttccact	ttgacattga	cgtgaccgac	tacctgctgg	agagcggaga	tgttgatttt	840
gttggtgggtg	gggcgattgg	tgtctgtccc	aagaataagg	aagaagaggt	ggatgatata	900
ttcaaccagc	tcggtatccc	caaatacaatt	cgtgacaaga	aaatcacgtt	gcatactact	960
aagggccggt	ggcctacgat	atggggagat	gaccagcctc	gggacctgat	caccacccgg	1020
agagagctcc	tgacctgggtg	ctccgatatt	cagagctacc	cgcgcgacaaa	gcctctattc	1080
cgactgcttg	ctgagtatgt	cttcaccagg	cgcgcgagatc	caaatagggtg	gttagaaggg	1140
gcg						1143

<210> 13652

<211> 201

<212> DNA

<213> A.fumigatus

<400> 13652

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cccgtaaagt	tcattgtact	aggatccgct	cctgcagcta	agcggatcat	tctacattac	120
cctacaacca	agtcagacaa	cgatgctaata	cgcacgacgc	tgaatggaca	gcttcaaaaa	180
ttgtctagcc	agcagtgtta	g				201

<210> 13653

<211> 1389

<212> DNA

<213> A.fumigatus

<400> 13653

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gaagaacata	ttttgggact	ggtcgctatc	tctcctcgcg	catccctctc	aaccctgat	120
gaagtcgcgt	cataccgtcg	ccttctcaga	attccagaaa	gtatttttga	tatgtggcgc	180
tattgggacc	gacgtggcgg	gcttcacagt	gcaagtgtga	accgattagt	cggcaccgat	240
gcagaccccg	atacaaggga	gcttcagatg	cgctacaaca	aacaaagcaa	aactcctgtt	300
tggaggcgta	tggcctgggg	aactctccct	acctataata	aggacggcaa	ggcgatcgga	360


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ggtattccag gagaagaagt ctgggctggg gtcaagacat ctgtcctcct tgttgcgggg 420
gagtctgatg cggtaactaa gcctgcggaa ctccgaaagc ttctcaaatt cttcgggtgaa 480
gttggacccc atgcagatgt aggggctgat ggaagcgcca tcatacccga tgcgtccgaa 540
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gccacatata gcactttggc aggcattcat caagatttcc tctcgcaaca cattgacgaa 780
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gcgctcaaga tgctgagaga ggtcgatgaa gagcacaatc ctgtgctttt ctgcgagaag 960
taccgcgacc aaatttacgc ggtcattgat atcagctacg agaaccgggt atataatccg 1020
gcttcctcgc aaaagggagg catccattat cagaagcacc ccacagtatc gaagattccg 1080
ccgacagctg acgaggttcg ggattttatt gctttggtag atcggcttca gaacgagatc 1140
tccgaaaaga tgaaaatgtc cggtaacctt gacgggtcca ggctgtgggt tggagtgcac 1200
tgtcactatg ggttcaatcg aacaggtctc ttaattgtca gctacctgat cgaacgattg 1260
ggcttcagag tccaggatgc cattgatgag tttgaaaggc aacgaccacc tgggaattcg 1320
cacggacatt ttattgatac tttgtttgtg cgatactgtg ttgggctcaa gagggcgctc 1380
acactgtaa

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<210> 13654

<211> 222

<212> DNA

<213> A.fumigatus

<400> 13654

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cggaatcggg tatataatta cccgagcgag agggggcctt ccactggcgg ctgctggggc 180
ttatgttgtt ctgagcatgt gacaataact ttaatgagat ag 222

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<210> 13655

<211> 195

<212> DNA

<213> A.fumigatus

<400> 13655

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tggtcaatct ccacaaaatt agacgctcat gactgtctca attttttttc cctagacttg 60
gttcaaattt gtggaattaa gggcctcggg ctatcccaag aattctcctt gcgccaggga 120
actccagggc aagtcttcat cccagcaacg ctgcatgagg gtacgagcat tttgaatctg 180
caaaaaaagt attaa
195

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<210> 13656

<211> 1008

<212> DNA

<213> A.fumigatus

<400> 13656

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tcaaagattg tgataagtaa actttcctac cctatatata ttagattact actaacaacg 60
ccagtttccc ctacaaccaa cccggcgaaa cagccgccta cgaacaacaa atctccaaac 120
tatggaaatt ctctctcccc aacgaccgca ggccccacgg ctacctcgtg gagtctgtcg 180
ttgaacgcac gccctggaca gaagatttcc atgtgcttcc ggccccgcac aagggaatc 240
catctccttc cacaagacca tgcgcgggag caagaaacct ggacagagcg ctgcgagcgc 300
agcctcgatg cccttatcgc gctcgccaga gcaagaggag tcttcccccg actgggcaag 360
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gctatatccc tgtttgggat tgtggggcgc ggagtgcaca tgactgtgta cacgaggacg 480
aaatccgggt tgaagatctg ggtgccgcag cggaatccga aaaagtcgac gtatccgggg 540

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atgctggata	ctgctgtcgc	gggggggtgtt	gcggcgggcg	agaggccgat	ggactgtttg	600
atccgcgagg	cggaggagga	ggcagggatg	gaagagagca	tgggtccgga	ggcgcatgct	660
gtcggcacgg	tgacgtgggt	caatatcagt	gatgaccggg	cgggtggcga	gccagggcta	720
atgaatcctg	gtttgctgta	cgtttacgat	ctggagggtt	gccctgaagt	agtcctcaac	780
cgggtggatg	aggaggatgt	ttgtgcattt	catctaattg	atgtgcgaga	ggtgcttgat	840
gcgatggcag	aggggaaatt	caagcccgcg	agtgcgagtg	tcatggtgga	ctttcttgct	900
cgacatggct	tgattacagc	ggaggacgac	gatgattacc	cagagattgt	ttcaagggtg	960
catagattgc	taccgtttgc	tacaagtcct	actgctggga	ggacatga		1008

<210> 13657

<211> 810

<212> DNA

<213> A.fumigatus

<400> 13657

ctggttgtgc	tgcttctgac	acctctttcc	cagaaacctc	tgatcattgc	tcgtgtacgc	60
aaggattctg	acatcccga	gccttaccca	ccaggaatga	acaccggtcc	ctgggatggc	120
aatatccact	gggccataaa	gggatatagt	atatttgaga	gtcagcaaga	agaggccgct	180
gctttctctt	atcgtccgaa	cctcctttct	cggcaacca	tctcggatct	ctggatattc	240
cagtacgggc	tccgatacat	ccccgatgga	cgggagtcaa	atgtctttcg	caactgtccgc	300
atcgagaggc	tgcgctcgaa	cgtgactctg	aaccagggtac	tgccatccgt	tccaggcgag	360
atctattcag	cttctctctg	caacacaagc	cctatcactg	ggtataaac	tgctatcggt	420
gtgtttgtgc	tcgagaagga	cgcactagac	tttgttcaaa	aatcgaagga	agggtctacct	480
ttgggcttct	gtgtggccag	cgttttcctc	gtgaacactc	cgacttacc	catgacgttc	540
cagatgagcc	aattcatctt	tcatcagggc	tacaccgggt	gtctggtaat	cagccatctt	600
cggaggtcac	tgagggggga	gattcaccgc	gtactgaagc	ggtctgccta	ctacaactat	660
attgaaagcg	tggaggaagg	accggtggtg	ggagatatct	atgttcggtt	ctattcagtc	720
aaaatggcag	cagcagcgta	tgatcttttt	caaggccatc	aaagcttcga	aagatgcagc	780
accaagtttc	ttaaaaaggc	ggcagagtga				810

<210> 13658

<211> 225

<212> DNA

<213> A.fumigatus

<400> 13658

gtgctagata	tcaaggattt	tgcagtttgc	tctattcttc	tctttctcat	ccactctacc	60
atgcagctca	ccatagagcc	gttttgcacc	tgggttcacg	tcaagtactt	ctcacagggt	120
tcatatatca	gcatcatatt	tccagtggac	ctcctaagca	agcgttaagt	aaattcagat	180
caccgagaca	ttgcctacat	taacaactca	ctgagacatt	tataa		225

<210> 13659

<211> 606

<212> DNA

<213> A.fumigatus

<400> 13659

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<210> 13660
<211> 354
<212> DNA
<213> A.fumigatus

<400> 13660
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tcgtcgaaaag agaaaaaggc cccagcggtg cgggagacgg tactaaaggc cgcgctttctc 180
cggcgcgcaa cagaggatat caaacgcgtt atggcgctcc gaaaccagaa gcaggcgctg 240
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<210> 13661
<211> 642
<212> DNA
<213> A.fumigatus

<400> 13661
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gtttccagcg ggcggagaag gagatggagg atgaagtcgg ggatgtgggtt actgaggttt 180
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gcagccccaa gtgatgacga ggctgtattg gttgaggctg ccgacactgt cgcggttga 600
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<210> 13662
<211> 786
<212> DNA
<213> A.fumigatus

<400> 13662
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ctcatggctc tgtttgagtt tactgaagag aactctggat atgctcatgg cccccgtact 180
cgtctgtctc agtcccagca gggctctcaac aaacaagaca gtcacggcgc caaacagaaa 240
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agtctgtta taggcgtcac gaatacaaaa agactcagta tcatggatga cgtgaccatt 720
cagttatcgg acgtgacgcc aaaagatcca gtgtggtctg aggcagaaga aggttcttcg 780
cagtaa 786

<210> 13663

<211> 870
 <212> DNA
 <213> A.fumigatus

<400> 13663

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gatgctgggc	aggtcaccaa	gggcgagcta	gtgaatttca	gttgagtgct	agaccataga	780
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<210> 13664
 <211> 1113
 <212> DNA
 <213> A.fumigatus

<400> 13664

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ctcacggtgg	atgtcaaaat	cgagcaagac	gatcttacca	tcagtgcg	tcatgcaatg	180
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<210> 13665
 <211> 345
 <212> DNA
 <213> A.fumigatus

<400> 13665

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gatacgccga	gaggactgac	cttcgaccct	acgaatcctg	ctaaacaacc	aagggttagat	180

ggagaggaat	tcaaaaacgt	cgctcacgac	gctgtccatg	caggtcccgg	accctcgagg	240
acaatcgagg	aactggaaaa	cgagatgaaa	gggataagcc	agagtatcgc	gacgctcaca	300
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<210> 13666

<211> 186

<212> DNA

<213> A.fumigatus

<400> 13666

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<210> 13667

<211> 2628

<212> DNA

<213> A.fumigatus

<400> 13667

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gccatcatgc	cacggggcaaa	attcatccag	atgatgctcc	tgagcgtgct	ggcgggtctgc	180
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<210> 13668

<211> 186

<212> DNA

<213> A.fumigatus

<400> 13668

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atgacgcaga	gcggatggtc	cagcttggtg	ctggatcgac	gaacggtaat	cttgatgatg	180
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<210> 13669

<211> 444

<212> DNA

<213> A.fumigatus

<400> 13669

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ggtgacggac	aaatccctag	agaaaagggg	cgcattagga	cctgggtact	gggtggccaa	180
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<210> 13670

<211> 576

<212> DNA

<213> A.fumigatus

<400> 13670

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<210> 13671

<211> 387

<212> DNA

<213> A.fumigatus

<400> 13671

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cttgtcacca aaggaatcac ggagtcctac agcccggcag gggaaacccc actctatgcc	180
cgagatgtcc agaatggcta tacctcgtct ctctcgtctt ggctccacac cggaacaggg	240
gccattggaa agcgcaaatt cccgggcttc tacctgtggg acggtgagat ggaccgggat	300
gttttgagcc gcgtttcctc tacctgccaa acatcctcta aacgctgggt cgaatgtcat	360
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<210> 13672

<211> 417

<212> DNA

<213> A.fumigatus

<400> 13672

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gacgatcccc atgtggcggg ccaagtgggc catgaaggcg acatcgggat tgtcgagatc	360
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<210> 13673

<211> 195

<212> DNA

<213> A.fumigatus

<400> 13673

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<210> 13674

<211> 189

<212> DNA

<213> A.fumigatus

<400> 13674

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<210> 13675

<211> 243

<212> DNA

<213> A.fumigatus

<400> 13675

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gcctacctct acccctgggg ctcagatcat aatggctccg cgcgcatggg cggcaactcg	180

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tag 243

<210> 13676
<211> 234
<212> DNA
<213> A.fumigatus

<400> 13676
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gctgagattc gtgatgtcaa tggcaaggac gtctccgtaa acgtctacct cgatggcaag 180
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<210> 13677
<211> 1494
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1292), (1313), (1321), (1373), (1387), (1418)
<223> Identity of nucleotide sequences at the above locations are unknown.

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cacaagaaca gcgcacacgt ccgcgaccgc atagaatcgt gcaaagtcac gatcaaccgg 480
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<210> 13678
<211> 378
<212> DNA
<213> A.fumigatus

<400> 13678

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cctcctctgg	atccttgctg	cgcctctccg	caaagaactg	ctttagcctt	ggatcaccca	300
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<210> 13679

<211> 219

<212> DNA

<213> A.fumigatus

<400> 13679

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agagtatcgg	cccgaatcag	ctcagcactc	caggctatga	aaagaactga	tatgaataga	180
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<210> 13680

<211> 426

<212> DNA

<213> A.fumigatus

<400> 13680

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tgcgcctct	ccgcaaagaa	ctgcttttagc	cttggatcac	ccattgtctc	cttcagatca	180
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<210> 13681

<211> 2370

<212> DNA

<213> A.fumigatus

<400> 13681

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tggcgcagat	gcatgatcag	agatgattgg	caattggaga	aaaatgctga	caacacagat	2280
catgaacctg	gagatcacat	gcactgtgtc	tctcttcttc	gcacactcac	actttgttta	2340
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<210> 13682

<211> 255

<212> DNA

<213> A.fumigatus

<400> 13682

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tggaacggcc	ctaagatccg	tgaacggtcc	aaattcgccc	agattcttgc	gtccgatagg	180
aagaaggccg	gacgcggggt	ctcccaatgc	ggttctggag	atgccgggtcc	cgaggagtag	240
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<210> 13683

<211> 216

<212> DNA

<213> A.fumigatus

<400> 13683

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gccctagcac	gagacttctt	ggcaggcatc	gcagccatgt	attccgttcc	aagtaagacc	180
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<210> 13684

<211> 195

<212> DNA

<213> A.fumigatus

<400> 13684

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tttttactct	gggtccgtag	cagttgggtt	ggtaagagaa	tccatatctc	attgcacagt	180
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<210> 13685

<211> 573

<212> DNA

<213> A.fumigatus

<400> 13685

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aaggtcactc	gattcaaacc	cggagatcgc	gtcctaggcc	atgccgtcgg	gctcatggcc	420
ggacgcaacg	aggcctgcgg	tttccagacc	tacactatcc	tacaagacaa	cctcgctgt	480
gagataccag	aaaacatttc	ctacgaacag	gctgtcgtcg	tacccttggt	ctctccagtc	540
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<210> 13686

<211> 201

<212> DNA

<213> A.fumigatus

<400> 13686

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gatgtcatgg	agcgcgaaaa	taattcccaa	ttgcatgaga	tcaacggtat	gtgtcccctc	180
tatcaccaca	gctcgtccta	a				201

<210> 13687

<211> 459

<212> DNA

<213> A.fumigatus

<400> 13687

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cagtatgctc	ctaaacagta	ttccctaaca	ggctcaaacc	gccccccgcc	ataccatggc	180
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gccccagtct	ggagtctgtc	gcaaccgttg	cctcatgtta	tgcgatcagg	aatgaagagg	300
ggcggcgatc	aagacgcaa	agccacagac	aaacgaccca	atgcacacca	agaagaagtt	360
cccgcggcag	acgaaccacc	aaccgagcac	ccggctcaca	atgccgactt	cgacgcagaa	420
aagaaccaac	ccgaagcccc	agtctcccaa	ccggacgag			459

<210> 13688

<211> 840

<212> DNA

<213> A.fumigatus

<400> 13688

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catggccggc	ttcccccgcg	tttgaagagc	aaggaggatc	tcaacgaggc	gtcggattcg	180

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aacgtgagga	ctgatgccgg	tgtggctgtc	gctcctggga	aagggaacatt	gcccattgggt	780
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<210> 13689

<211> 207

<212> DNA

<213> A.fumigatus

<400> 13689

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tataagacaa	cctggcaaga	agcaacaatc	gtacaccgca	aagaaagtta	tgtaccaatg	180
caaaagccct	attcaggggt	agaataa				207

<210> 13690

<211> 246

<212> DNA

<213> A.fumigatus

<400> 13690

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cagggtcga	cctcgacctc	gtcgacaggg	ggagcagaag	cggcggttct	gcccgtctgtg	180
ctgagcatcg	ggtataaacc	gttctacaag	aataagacaa	agtctatcgt	ccgtctccct	240
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<210> 13691

<211> 1995

<212> DNA

<213> A.fumigatus

<400> 13691

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<210> 13692

<211> 249

<212> DNA

<213> A.fumigatus

<400> 13692

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tgggacgagg	tagctttttc	ccctctcctg	cctcttacc	acctggaggc	caccaccact	180
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<210> 13693

<211> 423

<212> DNA

<213> A.fumigatus

<400> 13693

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gcagccatca	catattacag	cacgatgggtc	tacttccacc	tctgctttga	caggctgctc	120
ccagacaatt	tgacagacgt	gttgatgccg	caagaaaagg	ccgtctccct	agtcctggag	180
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cgagagttgg	ggcgggtatg	gcagaattac	agccgtatca	gccaacgctt	tgacgagatt	360
attcgcgga	gcgacccttt	tgcatattct	cagaaacaac	ttccgtatta	caacgctgat	420
tga						423

<210> 13694

<211> 504

<212> DNA

<213> A.fumigatus

<400> 13694

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ctaattggata	tgggttgatg	ctctaaagcc	gtggcataca	ttcagaagtg	tgaaaacctg	180

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gacgcttgct	acagttgggtg	ggtcgggtcc	agtttagcga	tgattgacag	actgcactgg	420
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<210> 13695

<211> 462

<212> DNA

<213> A.fumigatus

<400> 13695

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aacttcgttc	tctcctgtca	gcgcgaaaat	ggcgggttcg	gagctgcacc	cggccatgat	180
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cagggctaca	ggacaagacg	acgggctcct	tcattggcga	cgaatggggg	gaattggaca	420
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<210> 13696

<211> 237

<212> DNA

<213> A.fumigatus

<400> 13696

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gctggcgggt	ttggagaccg	cccaggtaat	atgggtgatg	tcttcatac	gaacttcgca	180
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<210> 13697

<211> 741

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (547), (589)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13697

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cacgtagggt	acgacactgg	cgtcatctcg	gcagtactgg	tcagcctggg	aacagacctt	180
ggcaaaaaac	tctcctctag	cgagcaagag	ctgatcacgt	ccatcacgtc	tggcggcgcg	240
ctgataggcg	cagtattagc	cggcctgacc	tctgacaagt	acggacgtaa	gctcggcatc	300
tatgtgggct	gtgtgctctt	cgtcgtgggc	accgtactcc	aaaccgctgc	gtactccatc	360
gcccagatga	cggttggctg	gctggctcgtc	gggtttggtg	tcggcaacgc	ggccatgatc	420
atcccgcgtg	atatcggcga	gatggcacct	gctcgattcc	gcggccgggt	gatcgtcttt	480
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aatgtanccc	atggctggag	gtacatggtc	ggatcggggg	cgattccanc	cctgatgctg	600
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cgaaaaatgc	acggcaagtg	ccgaaaagga	tcttccccgc	aagccaccga	cccagcaaat	720

cgatgcaaaa accccggttg a

741

<210> 13698

<211> 192

<212> DNA

<213> A.fumigatus

<400> 13698

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ttgaccgacc cgggcaagac agtctggttg atcgctgta cagtgtccat gggaggattc	180
ctgttcggtt ag	192

<210> 13699

<211> 333

<212> DNA

<213> A.fumigatus

<400> 13699

agctggatga tactgaggaa gtcaattcac aacctgttgc tgaacagtga cctcaagcat	60
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caaaaacatg acgccaagca actctacgca acggaggccc caggattccc cgcactgatt	180
ccccagacgc catgcttttag tgcattcatc agtggacatc ggcaatcgac atcagatacc	240
ggcgtggctt gcggaatga gttctcttca cggaagcaaa agccggcctt tagtttggtg	300
ctgctagcag tggcaactct ttttgcgggg taa	333

<210> 13700

<211> 1512

<212> DNA

<213> A.fumigatus

<400> 13700

gttaaacctg acataactag acaaaaagct aactgggttag gcctccggag gtatcccaac	60
tttcacccct tctcaggcat gtctgccatt cctttcatgg tgctcgcatc ccgaggcttc	120
cgttccatgg agctcttgaa cctacaccgg aaacatcccg tcctccgcac cggacccaac	180
acgctgtcgt atggcgacgt ccgcgccatc aaggacatct acgggcacaa caccaagtgt	240
ataaaggatc cgtcgtacat tgtcacggca ggcacacact accacctagc cgacgtggtc	300
gataagcccc accacgcgcg caagcgcaag gtgctttcct cggcgtatgc cctcaagaat	360
ctggagacgt gggagtacaa agtcacgcgac aagctcgagc ggctgatcgc gcactttgac	420
ccggtctgta cgaagcctcc ctccgcagct gtggcgaggg gcaaggcggc acccgatccg	480
gcggatctga cggtcgactt tcgcgcctgg accaacttct tcaactcttga agccatcgcc	540
gacattcgtc tctcggagaa gctgggcttc ctgatagcgg caacgacgtg tgcacggccg	600
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cgcaagcagt cgctgattct gtggaactac gaatggtacc ccgtgctcaa caagctagta	720
aacatcatcc cgttcttcag gcgcatgcaa cgctcgtcag acaactggga gaacatcgtg	780
tggcgggcgc catcccaacg cctccgcccgc tacgaggccg gcgagaaact ggacgatttc	840
ttccaggcac taatggagga caagaatgga cccccgaaca atcttgaatg gggcgagatc	900
gtcgcggagg tcaacatcat gatgaacgct ggcagcgtca caaccgccat cgccatcgcc	960
aacgtcatgt accagctgct caagaacccg cgctgtctgg ccaagctccg cgaagaagtc	1020
gacgcggttc tagacgagga agacatcatt gccccttacg acaaagtcaa gcacctccc	1080
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gccttctcgg caggcgctcg gtctgtatc gggcggaata tctcttacct ggagcagacc	1380
aaggccatcg ccacgttggt gcacgggtat gagtttgccc tgccatcatc ggggtgggag	1440

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aggcaaacgt ga 1512

<210> 13701
<211> 627
<212> DNA
<213> A.fumigatus

<400> 13701
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cgctacgggg ccacgtcca cgcgctcgac gaggagagga aacagcagtc tgaatcagcg 180
tcctggcccc agctcttcaa gggctgcaat ctcaagcggg ccatcactat tgggttcatc 240
atgttttagca ccagcgccat tggcgtgccg ttcttgacgc agaatatcta ttttctcatc 300
acggtggggc tcaacgtgac cagcgttttc gacatcgagg tcggcggggt tttcctcggc 360
tgtctctttg tgatgctcgg ctgggtctcc aacgaaggga tcggtcgccg gagactgtgg 420
ctctgggggt taatcgcaa ctctctctgc atggtaacta tcggtgcggt gggattcagc 480
accacgaagg cgagccagtt ggcaattgcg gtaatcatgt cagttctgcc acgctctaaa 540
ctaccccgga gaatttatct aaatgtcgtc tttctgccta caggaacgtc ctcatctcgt 600
acggtgtcta tgccacgggt ggtgtag 627

<210> 13702
<211> 459
<212> DNA
<213> A.fumigatus

<400> 13702
ggcccttcag catcgactgc tggcgtctct ttctcccgca ctgcagctgc ttaccgagtc 60
acacacctag ctatcctccc ctctgtttgt gcgagtaact atggctatga tactgtctcc 120
aacggttcca gtattgccat gccggccttt attatgtcct ttggcgccat gaatcatgcc 180
acagggtcta tgtatctgcc gtctatctgg acatcgctct ggacttccat gaccaacctc 240
ggccaggccc tggactctct gatagccggg ttctctgccg agcgcacatcg tcgtcgctgg 300
actgccgtgt cactcgccat cctttctatc gtgggcacct tcattctcgt ctctcctcgt 360
accaggggca tgttattagt cggcaagacg atgaatggag ccgtgggtggg aggattgatg 420
gcgattggga ccacgtacgc cgccgacgta cgacattga 459

<210> 13703
<211> 411
<212> DNA
<213> A.fumigatus

<400> 13703
actaccccgga agaatttatc taaatgtcgt ctttctgcct acaggaacgt cctcatctcg 60
tacgggtgtct atgccacggg tgggtgtagc tggaccatct gccctgagat ctctgcccac 120
cgtcttcgcc aatactcgca gtcggttgcc ttcattgttg gcgccgttgg cgggttggctg 180
ttcaatttta tcccccgta catgtataat gtcgattcgg gcaatctggg cgcgaagact 240
ggcttttgtg atgccgggtt gacgggtggtc gttgccgtta tctcttggtt ctctggtccc 300
gagacggcag gcctcagcgt cgaagacatt gataggcat atgagatggg aaccgcacca 360
cgacacttca agtctgcaa agcgacagtc agtgccgaga gtggacattg a 411

<210> 13704
<211> 786
<212> DNA
<213> A.fumigatus

<220>

<221> unsure

<222> (6)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13704

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tctcctcctt	gcctcgttac	ggactacatc	agacaccaag	tcgagtctaa	ccctgatgct	180
ccagcagttc	aatgcgagca	ggagcaaccg	tacagctatg	ccgcgctgtg	gcagctcgtc	240
gagcacattg	cggcagcggg	tcaatttcgt	gctggccgta	tcatgccttt	gtgcatggac	300
ccgtctgtcg	agttttgtgg	caccgtattg	gccatcctgc	gggccgggtc	tgcttatgtc	360
attctcgacc	ctgaagggtt	tgcgcaacgt	aaccgcgtta	ttgcggagga	ttgcggttgc	420
gaacctgtca	tttttcacga	aaagtatgcg	cctttctttg	atcacagcgt	cacaatcgag	480
agcatccagt	tgattcagaa	ccacggacaa	cttgaccttc	cttcgataac	cccatccgac	540
cttgcatact	tgattttatac	ttctgggtca	actggtacct	ccaaggaagt	cctcctcagc	600
caccgtgctg	tctctcatgg	catcgaccaa	ttccaactca	acggccgcaa	gcgatggctg	660
ctcttctaca	accccatttt	ctccgcagcg	caacggacca	tccctggcca	ccctgtccaa	720
gggcgcctgt	ctttgcctca	ccaggcgaga	ccgacttgca	actgcattgc	ccgaggtgtt	780
gaataa						786

<210> 13705

<211> 2370

<212> DNA

<213> A.fumigatus

<400> 13705

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ccattttctc	cgcagcgcaa	cggaccatcc	ctggccaccc	tgtccaaggg	cgctgtctct	180
tgcttcacca	ggcgagaccg	acttgcaact	gcattgcccg	aggtgttgaa	taaccttcag	240
atcgatgccc	tggtatcac	tccctcgga	ctgccttac	tatcccccg	cgagacacca	300
gcttgcttgc	aacagattac	caactgttgg	gagccactca	gccagtccct	tgtcaacaaa	360
tgggcagaca	gagtcacact	gcgcgtctca	tatggactta	gcgaatgtgc	ccaactgaac	420
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gccagcacgc	tgcaaggtag	tcaggactac	ctgtaccaac	gcgtttttga	tgttcgccat	1500
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ctaccttggg	cgggaagttt	cctgagtcgt	tcggagtacc	tcgaacagga	caagaacaac	1680
ggtgtcacac	taggcgagcc	attcatgcgt	gtcgccgtcc	tggaccgaag	cattctcgtg	1740
gtctcgggtt	atcatgcact	cttcgacttc	tggtctcaca	gatttccttt	cgacgacgtc	1800

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gctcgtgtgt actacggccg ccggcctgag aagcgccccg agtgggaagtc gttcgtgggc 1860
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gctgttccca cagtgtctaa ttacgctcct gtgacaaaga catccacagc cagacgcact 1980
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tgcacctctg tcatcaccac ttctctggga aaggctcttc aaccactctc cagttccgaa 2280
ttgcggaaat cccctgggac gctttctgaa cttccatggg ttttattctc cttccaacac 2340
gaggttctat atctctgttc attgcgctag 2370

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<210> 13706

<211> 273

<212> DNA

<213> A.fumigatus

<400> 13706

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gggctcagag atcagaaagt ggccatgcga tgggtgcaga agcacattgc agattttggg 180
ggagatcctg acaatgtgac actcgcgga atgagcgctg gaggaggtat gtctggctca 240
tcattgattt ccactacatt acaggcatac tga 273

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<210> 13707

<211> 465

<212> DNA

<213> A.fumigatus

<400> 13707

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cccttgccct acgaattaca tgagcagaac taccagcaag ccattgcagc gttaggactg 180
accaatgcca gttcagagga gagaatcaga gctcttctgg aaacaccagg tgatgactta 240
gtcgccaaaa tacccecgac cgttctagca gttcctgcga ttgatgggac catgggtgacc 300
tccccgggtc cctatgcgca agtggctgac aaaaattctg acttcccccg cggaagaag 360
tggtgccaag atctaataatg tggcgacgct cagatggatg taagctgtca tgaaacgctg 420
tcaaactcgtc tactgaccgc gactctgtct ctcttcccag gctag 465

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<210> 13708

<211> 234

<212> DNA

<213> A.fumigatus

<400> 13708

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gtcaaaactat tatctcttct caaattcttc attaatgtcc tcttccgtat gtctccatgg 180
gtgggtcgata actctaaggt tctgtgtccg tcaacttctc ttcgtgacct ctga 234

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<210> 13709

<211> 303

<212> DNA

<213> A.fumigatus

<400> 13709

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cttggccata	ttcaacatat	tctcccaaag	aaagagcttc	ctcaatcgga	cttgaaatgt	120
ctgaacttga	acattaccgt	ccggcgggc	acaacagcag	cctccaagct	tcctgtgttt	180
ctcttcattc	acggcgagg	gctggtgctt	ggagccaact	cctggccaca	attcgattat	240
gcacgctttg	tcaggttgtc	cgttgaaaag	aactttccta	tagtggcggt	ctctatgaag	300
taa						303

<210> 13710

<211> 636

<212> DNA

<213> A.fumigatus

<400> 13710

ccgcgactct	gtctctcttc	ccaggctagt	atcatggctt	ttttgatgtc	tcatacgaag	60
aaagactgtg	cgagcaagtt	tgttaccgcg	atcgaaacca	tactttcatc	caaattagat	120
gttgcgcaac	agatcttgga	caagtacaac	atcacaaggg	aatgacaga	cgacgaggcc	180
ttcccagcta	ttctcaacta	cgtaaatgac	attgctttct	ttgctcccg	tctgacattt	240
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gggccttgga	aaggctcgagc	gagtcacatc	cttgacttgg	cctacctgtt	ccagaacttc	360
cgagagttta	tggcgccaga	tcagcagcaa	cttgcaatta	ccttcgctga	agacctcttc	420
aaattctgtc	atggcgtgaa	gccatggcct	tccgttgccc	atgatgatgt	agaagctggt	480
ttcacggcac	gagtctacgg	tcctgcaccc	aatgcagcgc	aagtgaatgg	gccatactat	540
gaaggaagct	tgagaagaag	cgttctcttc	gaccacactg	accaagcgtc	gctagatgag	600
tttgcaaacg	tacttgcgtt	gtttagaact	ctctag			636

<210> 13711

<211> 189

<212> DNA

<213> A.fumigatus

<400> 13711

gaattccaag	ctacggcttt	gttaccgcgc	ctgcgcgctg	cgattgcctt	gaactgtgac	60
atccagccgg	tcagtcggtt	cgatcgaaaa	cactacttct	accaggatca	accagcggga	120
tatcagatta	cacagtacta	cggtagcttt	ctttctcact	cggtcgatgc	cgattacagt	180
ctaacatag						189

<210> 13712

<211> 327

<212> DNA

<213> A.fumigatus

<400> 13712

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cacctcatcg	ttgcattaga	tcgctacaga	catcggttac	agaatccaag	ggaacgtata	120
ccattactga	agcagctgaa	acaagacgca	aaggttctga	aggctcagaa	gagccagaag	180
agagcaagcg	aagaagcatc	ccggacaaaag	tgggagttga	ctgttggcat	tgagattcac	240
gctcagttga	acactgaaac	caagctatct	tcgagtgcgt	caaactctatg	ttgccgtccc	300
ttcttggccc	aaaatttaca	attctga				327

<210> 13713

<211> 345

<212> DNA

<213> A.fumigatus

<400> 13713

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aaaaacggct	acgtggatct	ctttccacat	gacggcattg	cacctgagga	cggcgaccat	120

gttcgcattg	gcatacaaca	gatccagctc	gaacaggaca	ccgccaagtc	ccaggaatat	180
cctccctcca	ctcaactcct	cgacttcaac	cgagtatccc	atccccctcat	tgagataata	240
gccatgccgc	agatccacaa	ccctgccact	gccgcagcat	gtgttcggaa	agattcaggc	300
cgttctacaa	tcctgcagcg	ccgtgacaac	tgggaaatgga	actag		345

<210> 13714

<211> 249

<212> DNA

<213> A.fumigatus

<400> 13714

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acacaaaccc	tacatctgtt	catagaacaa	gttggaacaac	atggcttcaa	gatgctcgat	180
tcttttaaga	gtgtggttgt	ccagggttagg	atgagcacat	ctcaatcaca	tcagatcctt	240
atacatata						249

<210> 13715

<211> 228

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (24), (28)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13715

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gcgctggcca	acttcggccg	cgcgtttcag	ttcgctaaca	gaagggagggt	caaaactcat	180
gcttacatta	cagttaaaca	aaacagtggt	caatacagtg	aatcttga		228

<210> 13716

<211> 687

<212> DNA

<213> A.fumigatus

<400> 13716

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tccccgagcc	ctaaaattgg	ttcccccaac	gagcaaataa	tattccgggg	tagtgggtggg	120
gagacgtcgc	caaacggtta	ttcggagtag	gaacaggggc	aaaccaggta	cctgcgttgg	180
ttgaggaata	atctttgcc	tcggaccagg	gtgaggctgt	caatgtacct	gcagatagtc	240
tgacaggcata	tctcgacggg	caacatcatg	gaaggcatgg	cccggtcgga	taacgtgctg	300
aacacaggat	tctgtcccat	gccggcgcg	gacaatttgg	atctgttctc	acgcgcgcta	360
acgttcaaac	ctcactcaaa	agaggagggt	attctaccac	ggaaaaagag	cgacaaaggc	420
ttgaatggga	aaaccgatga	gtatgcgccc	gccttttagcg	aattcaacgt	cctcgcgact	480
tggtttggggc	ccggggagac	ggagacgcac	aaagccatct	taggtccgag	tcttatgatt	540
gtcgtaaaag	gtaacggcca	tatgaacgct	ccaggcgaca	agcggttcga	cctgaaggaa	600
ggatacacct	acttcatcgg	acagggagtt	gccctagact	tctacacaga	gaagggaata	660
gcggtttatc	gaccttatac	ggagtaa				687

<210> 13717

<211> 243

<212> DNA

<213> A.fumigatus

actgaaccat	cctcggctcc	atgtcaaatt	accgaccacc	cgtatcgttc	tccggcgtct	60
ttccaggatg	caggcaagat	ctccccgttt	gctcgccatt	cgaaatctgt	cattcgcaag	120
ggagcaaaagt	tgagtcctgc	cctcctggct	agtacttcg	ctcttcgacc	tgcattcttc	180
attgccgatt	gcgcaatctc	gacctctaga	gaacggatag	tctccttgct	gagcagccag	240
tga						243

<211> 276

<212> DNA

<213> A.fumigatus

ttgggtgtcac	gcgaaatgac	catactggca	gtcgtttcttc	aggcaaaaaga	agcaatgctt	60
gttcgatacc	aatcacat ac	gcgaaacact	gagaagaacc	ttgatcggct	ccccagcctc	120
tccatcaacg	ctgtcggatc	attctttttat	gatgaccgga	aagaagagaa	tattaaaccc	180
tgtcatattg	ataagctcgg	gtctgatcac	ggtcctttgt	ttcagaacca	tgagttttaa	240
gctatgttgg	gggtcaacaa	tgcaggattg	cagtag			276

<211> 315

<212> DNA

<213> A.fumigatus

gttgcgagtg	tccacgggtc	tcggggtcag	ggtaatgtc	tgagcgctg	tccaatcaac	60
gacagcaaca	ttggcatggt	ccctcgttcc	ccagcgacc	aaggcagagg	cttttaccac	120
actgctaagg	togaatggaa	ccttcgtgga	ctgggaatcg	ccctgaataa	tggacaaagc	180
ctccgcaagc	aattcgcgtg	gattgacatc	atcagctgca	atgtcattga	acgcgacgac	240
tgtagcgtac	ggcggggagag	cttgtctgag	agccaagaac	tgcacgctc	cgggtccttg	300
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<211> 2691

<212> DNA

<213> A.fumigatus

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cagaacgtgt	ggggacagga	gatgctttct	ggagccctgt	gtgcagcagc	tgaacgctgc	120
gtcgcaccca	cagagagcga	gtcgaagatc	attgatacgt	gtgaaaaggc	tgtgcactat	180
tacctgtcaa	aactcaaggc	ggccggactc	ctcgaccagt	gggctgacaa	gaaccccggg	240
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gaacaacggac	ccgagacgtg	cgagttcttg	gctctcagac	aagctctccc	gccgtacgct	2340
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gaggctttgt	ccattattca	gggcgattcc	cagtccacga	aggttccatt	cgaccttagc	2460
agtgtggtaa	aagcctctgc	cttgggtcgct	gggggaacga	gggaacatgc	caatgttgct	2520
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aacctatttt	ctcccaataa	gacatatctt	cttgtcggcc	ttaccgggca	tattggtcag	2640
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<210> 13721

<211> 396

<212> DNA

<213> A.fumigatus

<400> 13721

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ctggcctctc	tgatcctttg	ctcagccgctc	ggccgcgcgcg	ccttcgtgct	atacctccta	180
gccatcctgg	cggggcagaa	agggcgggcgc	atcatcttga	cggtcttgcc	tatcttggag	240
atggttttta	attctgtgtc	cgatcatctta	atatttgcca	cttgcacgcc	tgtgtccatg	300
gtctgggatt	acgcggctga	ggggacctgc	acggcaacct	ccatccaggt	taactttgga	360
tatttccaga	gtagtacgtc	tacgtcccat	aactga			396

<210> 13722

<211> 969

<212> DNA

<213> A.fumigatus

<400> 13722

actcacggtc	atctacagcc	taggactagg	gctaaagacc	tttctgaagc	gcaagtgaga	60
caggctcgcc	atgatctcga	cagtgtctctt	gatgttctgt	ttgacgataa	cagaggtagg	120
cttggagaaa	agctcgtcaa	tctcctcgag	ggacttggtc	ttgggtctcg	gcatgaagag	180
gacctggtag	aaccaaccca	ggacggcgat	acctccgtag	aaacggagcg	tgagaccgat	240
accagtcac	gaattcatca	tcgcggtaaa	gttgtaggtg	ccgatgaagg	agcacaggaa	300
gaggttggcg	tccgcagtgg	tcatgccgta	actccggaga	taagtgggga	agacctcgcc	360
gggaatgacc	cagggtcaagc	aggcatagga	gccgaagaac	cccatgtaaa	ggatgatacc	420

```

ggtcaaatag agaccttcag ccgtggccgg ataggtcttg tagtcgatgg tgtagcctgc 480
tcccacgagc accagaccga tgaagaaacc aggaagcata acgttggccc agtagcgtcg 540
accgaaccgc tccatgtaca gactgcggg aatagtaccg atcaacaggg atccacctcc 600
aacgagcgac ataatagacac tggtagcggtc atcgaagccg atcttcgtca tcagaacacc 660
catgtagtac ataactgcgt tcacacccgt aaattgaccg aggaatacca tgatggtggc 720
gtagatcatg gcgcggcgag cccggccatt cctgaaaaag tccagccaag cccacttctt 780
cgtgttggtc tgtttcttct tctccgcggc gacagcttga cgcattgcca gaaattcctc 840
cttggactcg taagagtcga agccgcgaat gcgcttccac acaccatacg cctcgaccgg 900
tcttcccttg tgcattcagg aacggggggc ctcaggcatg aagagcatac cgaccagaag 960
gatggttga
969

```

<210> 13723

<211> 846

<212> DNA

<213> A.fumigatus

<400> 13723

```

atatcccccg ggtttcttct tcccttcctt cgtttgaaat gttcttctct ccgacgtcct 60
ttttacaggc ggttgacctc ttcctatcta gaagactgtc tttgtaggga acggcaggctc 120
ctcccccttc ccccttctac tttaggtaaa acctccatag gtgaagggtc tctgtacact 180
tacctacctc tggctacca tctccttctt aatcattctc cttcgcccggt catggctggt 240
aaagatgttg aggttcctct cgacgaccac aaggagggtc cgaagagat ggatgatatt 300
caaaatgacc tcaagtccga ggctttcaac gaagctgcca tggatgctga gctccagcag 360
ctggaagcac agctcggcag cgtaaaacag tctcggttg agctcacttt cgccaacccc 420
gcttacttca cttacgttct ggtcgcttct gcgtctatgg gtggtctatt ctctgttctg 480
gatcagtcgt tgatcagcgg tgcgaacctc accatgcca aggccttgca tctgtccgct 540
tcgcaagcta gtttgggtcaa cgccgggtat ccaacttggtg ccgtcgggtg tgccctgac 600
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tacactatcg gtgctggact cgaagccggc gccatcaact ttggcatgat gttcggcggc 720
cgattcggtt ttggcatggg tgtcgggtctt gaggggtggt ctgtccctgt ctacgtcgcc 780
gagtcgtgta tgcttctctg tttcgcttca attttggcg aagcacgggt actgactgat 840
atctag
846

```

<210> 13724

<211> 1107

<212> DNA

<213> A.fumigatus

<400> 13724

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tatctagtcc ccggttaagat ccgtggtaac ctggtctctt tgtatcagtt gaacattgct 60
tttggtagag tctcgggcta tgcagttgcc gcgatgttct ttgggtgtcg cggcgactgg 120
cgctacattc tgggtcttct cctgggtctt tcaaccatcc ttctggtcgg tatgctcttc 180
atgcctgaga gcccccggtta cctgatgcac aagggaagac cggtcgaggc gtatggtgtg 240
tggaaagcga ttccgggctt cgactcttac gattccaagg aggaatttct gggcatgcgt 300
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tacggaggta tcgccgtctt ggggttggtt taccaggctc tcttcatgcc cgagaccaag 960
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```

```
<210> 13725
<211> 249
<212> DNA
<213> A.fumigatus
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<210> 13726
<211> 861
<212> DNA
<213> A.fumigatus
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<220>
<221> unsure
<222> (830)
<223> Identity of nucleotide sequences at the above locations are unknown.
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<210> 13727
<211> 393
<212> DNA
<213> A.fumigatus
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[illegible]

<210> 13728
 <211> 696
 <212> DNA
 <213> A.fumigatus

<400> 13728
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 aaaggtgcc a tgggaatggt tttagccagg gtgaccatgt gtccgggcag cgcgtttatg 120
 attttaacat tgggaggttt ggcgaccctt tattcgtttg gccgggatta tccacgggtcc 180
 atgcgaaagc aaatgggcgc tcgattgcgg tcattttactc ccaggagct ggaccagctg 240
 gaaaatctcg ccccgctcaa cgccttctac ggaatgaacc actactccac caaattcgcc 300
 agggctctcg ccgaccccc ggcgacgac gactgcacgg gaaacgtggc agaactcccc 360
 acaaactccc aaagaagggc aattggcccc gtctcaggga tgtcctggct gcgggttgcg 420
 cctggggggg tccgaaaact cttgaactgg gtgtggaata ggtacaagcg gcctatcatt 480
 gttacagaga atggatgtcc ctgtccgggg gagaaccaga tgtccctgga ggaggcagtg 540
 aatgatgagt tccggattac atattttggg ctgtatctcg atgccatttc acgagccatc 600
 tatgaggatg ggggtgccggg tgaggggtac tatgtgtgga gtttgatgga taactttggg 660
 aagttcttgc ccccaccac tgattccatt gtttga 696

<210> 13729
 <211> 1062
 <212> DNA
 <213> A.fumigatus

<400> 13729
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 gtcggtttcg ccacggagaa atcgcaaaat ggttctcccg cactcgctc ctcgatcctc 120
 agcgcttgga gtcacatcat gtccgtcggt caaatcgtag gcatggcaag cgtgccattc 180
 ttgtcgagtc gatacgggaa gaaaatcacc atgtatacct actggttaat cttggtcggt 240
 agcgtgattg ccgagtgcac cacacgggtc tggcagggtt ggttgggtggc caaactcctg 300
 gccggaattg gagtgggatg cgttcagtcc accgtgccag catacatatc agagggtggc 360
 ccaacacgca ttcggtggtgc cttgttgatg gcataatagt tctgggtggac tctaggctcc 420
 ttcttcgccc aggtagcgct gcaacatctc tcacggagtg accggacgga ttacctcact 480
 ccggtctaca ccagtgggc ccagctcggc gtcattgtgc tcatctatct cctggttccg 540
 gagacacctg catggtgtgt cagcgccggc aagcttgaca gagccaaaaa ggagctgttg 600
 aagctccatc gaggagtcaa ggactacgac gccgaccatc agctacaggt cctggtcctg 660
 gcgatagaac acgagcgtgc cgtggcaatt gagcagcgcc gcgagaaatg gtacgccatc 720
 ttccggggaa ccgacggatt acgaacgatc atctccctct ggacgaatct ctgcagcaa 780
 ttcatgggcc tcacctgtt cgggtcggtt ggcacgtatt tcttcagca ggccgggatt 840
 gatgacccgt tcagagtcaa ggtcattacc tcgtccatc agatcggcac ggtgttggtg 900
 ctggtggccg tcgtggactt tgtaggacgg aggtatctcg catgtggtgg gaccacgctc 960
 tcgtggctgt cctgcgtcgc catcggaatc ataggggtca caccgcggt gaaggcctct 1020
 acatatatct tcgtcatgtt tgcctgtttc tggagtaagt ag 1062

<210> 13730
 <211> 291
 <212> DNA
 <213> A.fumigatus

<400> 13730
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 gagatctcct ccagcgtct gcgcccgat accgcccgtc tcgggtgccg aactacctgc 120
 gtggtggggg ttttgatgaa cgtcctagtc ccttacatga ctaacgcaa cgaatggaat 180
 tggggcctca agacgggctg gttctacgcg ggtgtcggct ttccctttgc cctggggatg 240
 tggtttctga ttctgagac tgctgggtac gtttctact tgggatattg a 291

<210> 13731
 <211> 582
 <212> DNA
 <213> A.fumigatus

<400> 13731
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 gccaatgtag gatccccctc ggcaactctgg cttgaacgta gtccatcact gaccagaaac 120
 ctttttgctt catcaaggac gaaatttgct ccttgcatg cgggccactg ggatgaccaa 180
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 gccaacgcgc ggattcatcg cccggatgaa gtcttcgagc agccacaccg ggaccaggag 300
 cctgccaaac cggatctgac catcgtcgac atcaacatca agggcccgtt gtacactgcc 360
 aagttagccg cccactatct catccgcca aacgggttcaa cggccaccct cggccaggag 420
 gataactgcc tcattctcat cggctcaggg gggcggttcc tggactgtcc ccgagcgccg 480
 cagtacagtg cgagcaaagt ggccatgcgg ggcacatgc attcgttacg gaggaccacc 540
 tactattatg gctcccggtt caacgtgatt tccccttggg aa 582

<210> 13732
 <211> 1254
 <212> DNA
 <213> A.fumigatus

<400> 13732
 tgtccattcc tgactcaact gcctgagagc caaggggtctc ggcatgacga caacgtccct 60
 catggtgctg cgttgcaag ggctatctg caccggagag taccgatgat gtacaacgat 120
 ggctgcaac ctccagcgtg cttatctata ccaccggctc aaccgtgcct cgatccagag 180
 acgaaatcat tctctcctgg acctcaacca agtctcctag tctttatcga acaagtaacc 240
 cgacgcaaga ccatgaaggt tccgacagcc cttagcctgg ccgcactact ctgcgcaggg 300
 tcggctaccg ccagaaacct ctccatggc gcagacaact tctaccgcag tgacagtgtc 360
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 gtccccgta gtcagaacct caccggcagc ggtgatgtcc cagctatcat cgtgggcat 480
 ccgatggcg cgtgaagga gcagagcgcg aacctgtatg ccaccaagct ggcggaacag 540
 ggattcgtga ctctatccct ggacctccag ttctggggcg gaagctccg ggagccgct 600
 aatggcgtgt ctccgatctt attcgcgaa gtcttcagcg ccgcagtcga ctacctcggc 660
 acacagaacg tcgtgcgcgt cgaccgccag cgcacgggtg cagtgggtat ctgtgcgagt 720
 ggtggttttg tcatcagcgc ggccaagatt gaccgcgcga ttccgggcat agccacagtg 780
 agcatgtacg acatgggcgc cgtcagcgt aacggactac gtcactcca gagcctcgcc 840
 gaacgccagg ccatcatcag taacgcagca cagcaacgct gggctcagct ggaggacccc 900
 agccagaccc agtacaccg cggcactccg aacgagttga ctccagcac cgacgcgcgc 960
 agccgcgaat tatacgactt ctaccgcacc tccgcggcg aggtcaccct ccccggatcg 1020
 acccccagc tcaccactca cccgactcta accagcagcc tcaagttcat gaacttctac 1080
 cccttcacg atatcgactc gattgccccg cgtccattgc tcttcactc cggcgaccag 1140
 gccactccc gcgagttcag cgaggatgcg tatgcccggg ccgtccagcc aaaggagatg 1200
 ctctggattc ccgtgcgcgt ttccaccacg tggactgcca gcaccgcgc aact 1254

<210> 13733
 <211> 237
 <212> DNA
 <213> A.fumigatus

<400> 13733
 aacaaccatc ttcattttca ggcttgtgga ttatcagaaa taccaactgg tcattacgaa 60
 ttgctcattg cctataagaa tgccgggaggt acaatccgag acactattca ggagattggt 120
 cagcaatggg caggaacgct aaagattgag gtctattaca ctactgtctg ccttagtata 180
 gtcataacac aacgggtagg tctctggtgc ttttttaatt atcagagtaa ttcttaa 237

<210> 13734
 <211> 255
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (2), (11)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13734
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 atggagtttg aaaagattgt caactctccg ggcgaaggag acgaagtcgg tcctaattgg 180
 gaacgaccac ctactataac ctctggattt tggttcacaa agatctgcct ctgtcgccag 240
 aaaaatcatc tgtga 255

<210> 13735
 <211> 588
 <212> DNA
 <213> A.fumigatus

<400> 13735
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 aggattgccg attcaggaaa tatgtggtgt gaatcatgcc gccgtcagcc gagctccgaa 120
 atcagttata aatatgtcaa tgtcgacgtt ctaatacgtt ctactcgcat gctggtcgtc 180
 ttatgtacca aaacgtcaat tgcgcgcaag atgacagcca agctggtcct tcccctgctc 240
 agcgtgttcg cgctgtacgc catcttctac ttccgcgaaa tcaatggctt gaatcatctg 300
 gcacagggag ccatactctgc aaagacgctg ccaggcacca atgagcctct gcggactatc 360
 tacacgggta ttgagccggt ggataatgtg ctggtctgctg tgaccacctt tttctggcct 420
 gccacggatg gcagtaatcc tacgtgacg ttgcattcca tcgccttctc tggcaccttt 480
 ggtgctgcct ggacgctcgt aactctggag tcctggagac gcggaaatgc ctggacgggt 540
 gctgcattgt ctgtgaacct cagtcgcac tataacacaa gaagctga 588

<210> 13736
 <211> 786
 <212> DNA
 <213> A.fumigatus

<400> 13736
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 gagaatatcc gcattcctcg cgcagttcta aacgccatto ctctggtctt tatccttgggt 180
 tttatgggtc ctacgttggt gatgatcctg cctgtttccg agcacgtcac cgtcgacatg 240
 aagcaaatct tcattgcctc ctggcacccc tggccagcat acgtcgcaat tgctctcacc 300
 ataatacaact ttgtcttcgg tcccgatgtg agcaacgatg ggtcgggtga aagggagcga 360
 gcgaatctcc ggtegetccg attcgtgtat gcctttgcat tcgccaacgc tgcgttgacc 420
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 cggctgttgg cagttttgca tccgttcaag gtgttccaga ttgccttgcc ctgggtcaaag 540
 ccagtattgc aagtgagcga tatcggggag ggagtacatg tgttcctgcg ctgggattat 600
 ctgatcggtc ccgcgggcgt gctgttttgg gccttgagcc tgtataacgc tgctcatcgg 660
 gtcgtttatg gtaagggttag atggctcgat ctgctaaga aagctgtgtt gttggtgact 720
 ctggtcgggc cagtcggggc tgcggctcag ttgatgtggg agcgcgatga gttgatcatc 780
 ccctga 786

<210> 13737

<211> 1149
 <212> DNA
 <213> A.fumigatus

<400> 13737

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gaggcaaac	ccatcattga	gcttcggagg	aaacaccaag	acagctactt	tacggacctt	180
gtaggcgcag	aagtatttga	atgcacgcga	tcctgggatg	cgccatgcc	actacctgat	240
ttgcgctgcg	atcgggttct	ctcaactacat	tacttcgcgg	acaatctcac	cgcgtgcttg	300
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atcgagatcg	tggttccagt	cgatgttggt	atctcagctg	ccgcttggtc	tccagatgag	420
gagctactgg	ctctcacaac	tagagccaat	acctttctct	atatgactag	agagtttgag	480
aatgttgctg	aaatcacctt	cacccccgaa	gatcttaaag	tatctcagca	tgtttctgtc	540
ggctggggca	agcgagaaac	acaatttcag	ggaaaaagag	ccaaagctct	cagggacccc	600
acgatacccg	aaaaggtaga	cgaggggccga	ttgagcagca	acgatgacgg	cagaactact	660
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cgcgtgatta	gagtcatttc	tagagaaggc	gctttggaca	gcgtcagcga	gccagtcgac	780
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cttgaagaca	aggtcgaggt	ggtatttttt	gagagaaacg	gcttgcgcca	tggagagttt	900
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ggtaactacc	actattatct	caaggaagag	gttcctgtgg	tggtcgaccc	ggattatcct	1080
catccttttg	ccttcaaattg	gcacaaagag	aaggctctac	gctctgttgc	ttgtggctca	1140
ggtacttga						1149

<210> 13738
 <211> 600
 <212> DNA
 <213> A.fumigatus

<400> 13738

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acccggatag	ctgtcctcat	gaaagattgc	ttctctatct	acatgtggtc	actgaagact	180
cgtcctgttc	cttctccaat	actcgagtct	agccatccct	tgccggacaa	tctagacaat	240
cggccgcgac	agattgcttt	tttgaacgag	aatgaagtct	acattctcag	gaacagcgga	300
cctaacagta	catgtattca	aaagacaacg	ctcgagactc	gatcaacgac	gaccgtctac	360
caaacaacag	actcggggca	gattctcaca	atcttcccg	ccgttggaca	tgaagctttg	420
tggttttgcg	atgtccctca	acctggacgt	ccaatcgctg	actgtatcct	aaaggcctct	480
cctgaagaag	acgtccaagt	tgactcctgg	gaccagagtc	ctgctgtcga	cactcactgg	540
gctcgggctg	tccacttgct	agatgatgag	gtattatttt	ctttgcttac	aattgactga	600

<210> 13739
 <211> 348
 <212> DNA
 <213> A.fumigatus

<400> 13739

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ttgactgaac	cctggctgac	ggctttaaag	cgcattttga	tttctttatc	gaggaccgga	180
gccctttatg	caaataacca	gctgcttgca	aagaattgca	cttcctttct	cgtgacccaa	240
gccacatct	tgtttactac	ttcccagcat	cttctcaagt	ttgttcactt	gacaaaagca	300
gaagggttgt	tgagtattac	gatctcatca	ccaattccta	gtggctaa		348

<210> 13740
 <211> 360
 <212> DNA
 <213> A.fumigatus

<400> 13740
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 caggcgccca ggggcaacat agagacaatc taacctcgag ctctggtctt agccggcatc 180
 agaaactaca tcgacagaaa ggactaccgc tccgcgttcc ttgcctgccg cagccagatg 240
 gtagatatga atatccttca tgattatgca cctgaacaat tcctggaaaa cgtcgcatta 300
 ttttttagatc aagtgaagag agtcgatttc atcgatgagt tcctgtcccg gttgaggtga 360

<210> 13741
 <211> 273
 <212> DNA
 <213> A.fumigatus

<400> 13741
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 accagcaagg tcaaccgtat ctgtgatgct tttctggcca cccttgagaa acgcatggac 180
 accaacttgc ataacctcgt cactgcacat gtatgcaaat cggcaccaga tctcgaagct 240
 ggacttcagc ttgtcgtctg cctgagagtt tga 273

<210> 13742
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 13742
 cggggagggtc atactaacia tcccatcatg cgtcacaagg gccctgaact tacggccaag 60
 tgcattggccc tgaatccagt tgaccatgta tcctccgtgg ccggcaccta cagcgacgga 120
 gcgagcagta tcaatgtatt ggatgctctc attttgctcc agatatttaa aacctcgctc 180
 agatctgtat aa 192

<210> 13743
 <211> 231
 <212> DNA
 <213> A.fumigatus

<400> 13743
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 attgttgacc tagtcactct aaccgagtct ccaaacatct tatcagctag tcgcataagg 120
 aatatagaat tctctaaggc gcaagtcgat gtgatttggt tcgatagcac tgggaatcgc 180
 agaatccata cctgggtgat caaacatcc aagttcaacc cagacaatg a 231

<210> 13744
 <211> 204
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (49), (81), (82), (109), (138), (143), (158), (181), (186)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13744

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agggggcg	tgactganca	tanggaaatc	tcgcatanca	atgaacaaca	gcatgaggta	180
nctaantcc	tttcacaaaa	ctaa				204

<210> 13745

<211> 405

<212> DNA

<213> A.fumigatus

<400> 13745

cattgttttc	agagcagggc	tttgttgttg	ttgcgactaa	cccagcaggg	agctctgggt	60
ttggacaagc	tttcaaagat	cctgtccaaa	ttactgaggt	gggttgctt	atacagatct	120
gagcgaggtt	ttaaatatct	ggagcaaaat	gagagcatcc	aatacattga	tactgctcgc	180
tccgtcgctg	taggtgccgg	ccacggagga	tacatgggtca	actggattca	gggccatgca	240
cttggccgta	agttcagggc	ccttgtgacg	catgatggga	ttgttagtat	gacctccccg	300
ctagcaaca	atcggcaaca	ttccgttgaa	gagattggag	gtcctatttg	ggaaactccg	360
gatgaatgga	tgaaattgga	tccagcacia	cttactgtga	gctag		405

<210> 13746

<211> 189

<212> DNA

<213> A.fumigatus

<400> 13746

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aaaagcgtgt	atagtgtctt	cctggtatct	ctagaagaaa	gggaaccgat	tttaaaccgg	120
gaagataatt	tgctttggta	ttgcactgta	atcaattgga	tgaaaaaata	cagcgatcag	180
aaatcttag						189

<210> 13747

<211> 2466

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (2465)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13747

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ctgagagagc	cgctgtttgt	ggtaccagca	ggcttccatc	caaatgccac	ttttgttggt	180
atgaccagag	agctggatat	cttgacgct	cggtatata	gagctaagaa	gcggggccgag	240
cgctggcgag	ccgtcttgat	atgcgggggc	ccgggagccg	gaaagtctca	tctggcaaga	300
caatatgtgt	ggaccagcgc	cgactgctac	cctggcgcca	tattctgggt	agatgcaaaa	360
tcgcgcgagt	caactagcaa	gtgcttcttg	gacatcgctc	aggctgctgag	tttaacggac	420
gagcttgaat	tcgagtgcc	agacttcaaa	gctccgcaaa	agtacgtaga	gatggttcgc	480
aactggttcc	aagctcgaga	ggagtggctt	ctcgtctttg	atggctctcag	cttcaatcac	540
gaagatgatt	tgaaccattt	ccggcgagtt	ttgccgttca	acaaacagtg	cagcattatg	600
tacacctcgg	tgatcgcaac	actgcgaaa	aagcagcggt	tgtacgagcc	ctactgcctt	660
caagtgcgcc	ctctgtcggt	cgaggatgct	tgcaagctct	tgttcaagga	tttgggaatc	720
aagagaccca	ccaaagagca	ggtccgcaag	gcaactgaac	tggtcatgca	ctatgagtgt	780

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ttaggaatttt	taattcggta	cgggtctcata	gagaggacct	ccgatgctta	tgttctaaaa	1140
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ctatccgagt	cgcaaacgga	gagcagtagc	caggaagcca	gcttctccat	ctaccaaaa	1260
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aagtttccca	cccacatata	tggctccaaa	ccggcagctc	ctgtgctcaa	ggtcttccct	2160
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<210> 13748

<211> 1539

<212> DNA

<213> A.fumigatus

<400> 13748

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cgcaagtcca	tgttggacga	ctgcaaaggg	gagaaggctc	atgagctcct	ggcgggtcttc	180
tccaccgccg	tectgcgcaa	ggctcctggct	tctctgatgg	acggctctgcc	aaatcctgcc	240
gtgagattgt	ctatggctaa	gggcgtcact	ccggatgagt	atcagctgat	gctgccgctg	300
attcttgccc	atcgtgtctc	cctggccaca	atggatggac	gtcgggtccc	gattatggac	360
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cgcagtagca	gtgatgcctt	cttggagctg	ccgtttggag	cagcatggtc	caaggcaaat	600
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cgggacaatc	aatcagctgg	aacaagctcg	cctgccgttc	aaatcacgcc	tgaccctgat	1140
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cgggcgtcga	ccccgcggga	tgagctgttc	gaggaggagg	cagactacaa	tagcgttttc	1380
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<210> 13749

<211> 645

<212> DNA

<213> A.fumigatus

<400> 13749

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ggcatcagca	ccggcgaatc	gattttctgac	cacatgtacc	gcatgtcaat	catgaccatg	180
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ggtgtacctg	gaggcatgtt	gacgggagag	gagattctga	aggtgttcaa	cgaatacga	420
gcgaacgaaa	ctctcgaggc	acaatttgtg	cacgacgtcg	ataagatgga	gctattgctg	480
cagatgctcg	agtacgagcg	caccacacaag	gttgacctct	cggagtctctg	tcacgttgcc	540
ggtcgtatcc	agctggacga	ggtcagggaa	tgggcggcca	ctgttctcaa	ggagcgggag	600
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<210> 13750

<211> 366

<212> DNA

<213> A.fumigatus

<400> 13750

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tccgtcggcc	aacgatttat	tctcctcctc	gcccaccacc	ctttcctaga	gctgcacgcc	180
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<210> 13751

<211> 1071

<212> DNA

<213> A.fumigatus

<400> 13751

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attgcttacc	caacgtgtac	agaagatgtg	gtgaagatcg	ccaaagtgtg	ccataaatac	180
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gcgttcccca	cgattcggga	tgctgcgtct	actgccatgc	agcttatacg	aaagggaatc	720
ccagtacagt	gcatggaaat	cctggacgat	gtacagatgg	atgtcatcaa	ccgtgctggc	780
ggtagcggca	ggacttgga	gactttgcct	acgctttttt	tcaagtcttc	gggtactaag	840
gctggagttt	ctgacagtat	caatctgacg	agagagcttg	ccaagagcaa	caatgcagca	900
tcattcgagt	ttgcccagag	cgaccgggat	gcacacgatc	tgtggtcggc	gcgaaagcag	960
tcgttatgga	gcatgatgtc	cttgccgaag	gaaaggctcg	aagtgtggtc	cacggatgtc	1020
gctgttccca	tcttcaggct	acctgatatt	atagggtgga	cttcaaggta	g	1071

<210> 13752

<211> 876

<212> DNA

<213> A.fumigatus

<400> 13752

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tatcgcaagc	acccccctgt	tcctctcgtc	gtccctaccg	tcaaccccc	acacttggat	180
ctcattcctc	atcaaaggaa	agagttcggc	ctgaagaagg	gtttcctggg	ttgcaattct	240
aactgcgcgc	tgattggcgt	tggtattcct	tttgcagctc	ttcaagccaa	gttcggtcct	300
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cccagtatgg	acatcatgga	caacggtatc	ccctacatta	gtgggtgaaga	ggacaaaactt	420
gagaatgaag	cccaaaagat	cctgggttcc	ctgaacgcag	atgccactgc	cttcgatgag	480
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gcgatcaaag	tctttgatga	gcctgacaga	cctcaacca	gacttgaccg	ggatatctcc	720
aagggaatac	cagtcagtgt	gggacgtgtt	cgtgaagcag	caccgggcag	ctactttgac	780
ctgagattcg	ctgcactctc	tcacaacacc	gtcattggag	ccgcaggatc	gtctatcctt	840
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<210> 13753

<211> 285

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (223)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13753

ataggaatct	tcaaaggaag	gagctcgaca	acctgggttg	gttccccag	tattttgggt	60
cacatcggag	atggaaactt	tcattcgagt	ataatgtacg	acaggaggga	tgccgaccaa	120
atggagcggg	ttgagaagtt	gttccacgat	atggtcgacc	gcgccctaga	gatggaagga	180
tcttgaccgc	ttagtataac	caagcgccctg	agtgtatcca	canagaagct	aacttggacg	240
gacagggcga	acacggcgctg	gggctgggca	agaaagcatc	tttga		285

<210> 13754

<211> 204

<212> DNA

<213> A.fumigatus

<400> 13754

tcagccctgc	aatcgcgag	gacgagattg	ctaagcctct	cagacatagc	cgtagtctgc	60
ttccatctga	cagcatcctt	gtattttctg	ccggccgagc	gattcgatgc	gccaatggcg	120
tgcagctcta	ggaaagggtg	gtccgcgagg	aggagaataa	atcggtggcc	gacggaacca	180

gtggcgccca ggacaccttt gtga

204

<210> 13755

<211> 615

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (10)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13755

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atcgtggggc	ccatcatcca	tgcccggcag	aatggcagca	ctggccgctg	ggtgaaggag	240
ttcttcgatg	accccgctca	ttactccaag	cccctgcaga	ccttcattcc	ccggcacttt	300
gtcgatgtca	ccgacgtggc	cttgctgcat	ctggcggggt	tgacgcacga	ggatgtgcag	360
agtgaagcgg	tgctggcctt	tgccggcccc	ttcaacttca	acagctgggt	gcatgtgttc	420
cgccagatcg	atcctgcgaa	gccgtggcct	gcggatgata	ccaatcaggt	ccatgatcgc	480
agcacgggtg	acactcggag	gtccaaggag	cttttgaagc	ggtactccag	acttgacttt	540
acgtccttct	ttgacagtgt	gcggggataat	tgtctcaaca	gcgaccggga	gtggaagcgg	600
tcgaactttc	cctga					615

<210> 13756

<211> 609

<212> DNA

<213> A.fumigatus

<400> 13756

ggttgggcca	catttggaa	ctgggtgtac	tacgccgccg	tcttcgtcat	ggagctgaac	60
cacgtcagcc	cgggtgtcct	ggcggcgtgg	tacagcccg	tgatccctc	cggactgggc	120
gcggcgctcg	ccgtggggaa	gcttctcggt	cgggtctcgg	ccgcgtgggt	catggtcatc	180
ggcatggtcg	cgtacctgat	cgggtcgatt	ctcatcgcca	ccatgccgac	gcaccagatc	240
tactggggca	atttcttctg	gagtggtgct	atcatctgtg	tgggcatgga	ctcgtccttc	300
ccggccgcga	ccatcatctt	ttcggacgcc	gtgccgccca	agtaccagg	catcggcgcc	360
agtgtggtca	tgaccattgt	gaactatagt	atttcaactg	ggctgggctt	tgccgggacg	420
gtggagcggg	agatcagcca	tgggggtcac	accgatgacg	atcggaagaa	ggggtatcgg	480
ggcgcattct	acttcgaggt	cggcttggct	ggcttggggc	tgatattgag	tcttgccctc	540
ttggtcaagg	atcaccttcg	caagaaggcc	aagcaggcag	ctgctgcgta	tgaggaccgg	600
agtgccttaa						609

<210> 13757

<211> 450

<212> DNA

<213> A.fumigatus

<400> 13757

gctgattcta	agaccctctc	tccagttgat	cgcgtcacgt	acttccaaga	aaccgttgcg	60
aaagaatcta	aaccgttctc	agaagatgat	atgaaggact	tggctcgtcg	gtatgtctat	120
gtcattactt	ttcctgcaca	gtcgcgtgct	gacacctgct	tggctaggta	tattaaccgt	180
agcgtccctg	agatcgaaca	attacagagt	gagcggagga	aaggccggcc	tccaagcaag	240
cgtgaagaag	ccttactaca	acggacagag	gtcgagaaca	aagagttaa	gactggattt	300
tggatgccc	atttaagcca	agaagctgtg	atcaaaggcc	tcgcatcgtg	gaacggagac	360
tggtccagcc	ttagcatgat	gaaattcatc	agaataacca	aagatggtgg	gaaacagccc	420

tcggcttttc cacccaaggg actttcatga

450

<210> 13758

<211> 216

<212> DNA

<213> A.fumigatus

<400> 13758

atgacagaga	tactgattga	ttatgcagga	ctccacggcc	ttctcaaata	aattcagaag	60
ccatgtcacg	ttaaaaagtt	caaagggcaa	accctcggag	tagatgcgta	tggctggcta	120
catcgcgga	ctgttgccctg	tgctgtcgat	ctcgtactcg	acaggcctac	aacgaagtat	180
gtgatcagcc	aaggcgtttc	gcgatggcat	gactaa			216

<210> 13759

<211> 1827

<212> DNA

<213> A.fumigatus

<400> 13759

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gtaaccccg	acottgtctt	cgatggagac	aatctcccca	gtaaatccag	taccgagtcg	120
gagcggcttc	agaagcggga	ggcaagtaaa	gctcttggat	tggagcttca	acgcaagggc	180
cgtatggcag	aggcctacca	ggaactacaa	aaggccgtgg	atgtgactcc	ttatatggct	240
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tggacagatg	ctgacttccg	acggatgtgt	atccttagtg	gctgcgatta	tcttcccaac	540
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aaagcacttc	gtatgctgca	gtttgacggt	caatttcacg	ttcccgtctg	ttaccttgag	660
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cccagcctgg	ttgaacgttc	agcgacaacc	tctaccaggg	gcagcgaaga	cttgattgtt	1740
ccgaacaccg	atgacgaaga	tgatggcgat	gataccaaca	aaacgcagga	cccgggtcaat	1800
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<210> 13760

<211> 216

<212> DNA

<213> A.fumigatus

<400> 13760

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atgcgggaca	gtgctactgg	tcgctctagg	ggcttcggct	tcttgacctt	caaggatcct	120
aagactgtta	acacagtgat	gggtcaaagag	cactacctgg	atgggaaaat	tgtaagacgc	180
atattctgtc	tattttgtcg	catgcaccag	aatga			216

<210> 13761

<211> 1311

<212> DNA

<213> A.fumigatus

<400> 13761

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gttggtggtg	tgagccaaga	ggcaacggag	caagagttca	aggagttttt	tacgcaattc	120
ggccgtgtta	ttgatgctac	cctgatgac	gacaaagaca	ccggacgtcc	tcgcggttc	180
ggttttgtga	cgttcgacag	tgaagctgct	gtcgaggctg	ctctgtcccg	tcctttggcc	240
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gggtctcagc	agcaacaggg	aatgcaaggg	caggcgggta	tgccctgcagg	tttgacaccc	420
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gtcgcggagg	ccatcggtgt	ttccatcctt	actctcgtgg	ataggattgg	agctcgatca	1260
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<210> 13762

<211> 1323

<212> DNA

<213> A.fumigatus

<400> 13762

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taa 1323

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<210> 13763

<211> 627

<212> DNA

<213> A.fumigatus

<400> 13763

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gtccaattga acccagagcg gttgtcgcca gtctataccg ttttttacag atccccgaag 180
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<210> 13764

<211> 306

<212> DNA

<213> A.fumigatus

<400> 13764

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cagcgcgaa cagggcagggc aaacctacat atcaacgttg gcatccatga accggcgccc 180
aacggcaaa tcaagaatac tctgatctgg attgatgata atgggtattat tactcaacgc 240
taccagaaga tacatctgtt tgatgtagac atcaaagatg ggccgggtcct caaggagagc 300
gcgtaa 306

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<210> 13765

<211> 384

<212> DNA

<213> A.fumigatus

<400> 13765

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cgggagattg acctgaacct cttggagaag gttaggaggg agatgccctt attaaggaga 360
actgacatat atccagaggt ataa 384

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<210> 13766

<211> 555

<212> DNA

<213> *A.fumigatus*

<400> 13766

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aatgcccag	cccctgtcga	atctactatg	gagcagcgtc	gaagacaact	cggtactttg	180
ggagactcga	accataacgc	aagagtttct	gattcgggca	accgggagct	cagtttcgac	240
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<210> 13767

<211> 210

<212> DNA

<213> *A.fumigatus*

<400> 13767

gaatattggc	ctcatgggtc	agatgcattg	aagtacgaga	tcaataatgc	cgaaaaatac	60
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aggtgtcttt	gttgcaataa	cacttgctat	ttggcgggcg	tagagctgac	caactgtttc	180
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<210> 13768

<211> 546

<212> DNA

<213> *A.fumigatus*

<400> 13768

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<210> 13769

<211> 510

<212> DNA

<213> *A.fumigatus*

<400> 13769

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<210> 13770
 <211> 972
 <212> DNA
 <213> A.fumigatus

<400> 13770
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 accacccgcg aactcctcaa aaccgcccgc caaatgaccg acgcctactt cctatacaca 480
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 ctctacgagc tccgcgtgaa actcctccgc aactcaatc agtgcgctgc cctcctgcaa 660
 tcatacaaac cctcaactc tgaccccgag caaatgaaga acctcaaagc catcggaag 720
 aagttctact actgccagaa cccggagaag atctccctgg ctggacagaa gcggattcct 780
 gctgctgctg ccgccgcgc cgcgtcgga ggcgaggcgc ccacatcgga aagtgaagtc 840
 gagcggcagg cgaagaagcg gaagctggaa cgggagcaaa gagatcgga ggcgagagat 900
 atctttggcg gggagctggg ggcgcaacgg gtcaaggagg gccaggttg ccagcagcaa 960
 catccgtcgt ag 972

<210> 13771
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 13771
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 gctgcccttt ttaccaatc cagcaagtgg catcgcatc ttttgtccga gattaaaaat 120
 agcacgactc ctaactataa ctatacttc gcaaagactc atcgccgcgt cctcatggcc 180
 tcaacctgct ga 192

<210> 13772
 <211> 255
 <212> DNA
 <213> A.fumigatus

<400> 13772
 cattattttc aggctgggcc gcatatgcat aggcactcag aaatgtgtag caaagccgat 60
 tcttccagtt cgatatgtat atccgccaaag gcccttttct acttggaggc cctgctgtat 120
 cgccattcca tcatgcttga cgaatcgga atgagtagct acgacgctcc ccatgattcc 180
 ttgaagcagg cgaggaagat tgtgtacata gttaaataa tacatacata catacataca 240
 tatatatata tataa 255

<210> 13773
 <211> 489
 <212> DNA
 <213> A.fumigatus

<400> 13773

gactcaacat	tctcaagaaa	gatagcgagt	tttaaggcag	ttaccagtcc	gttactaaca	60
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gcgatcaaga	ccctgttcaa	ccaccggctc	ccttcggacg	ccgtcgcggc	ccacggagca	180
tggcagtcaa	tcgtagatgg	tacttccgag	ctctggaaaa	ccatcacacc	cgccaagaaa	240
gagctgatac	gctcgttctt	caatgtgctg	aacctggaga	tcctcaagcg	ggcacgaccg	300
ccgtcgtcaa	cctttgactt	cacatcggcc	agcgtgggta	atctcttcct	caccggcgcg	360
cgctctttca	gcggcagctt	tgagagtgcc	atctacctcc	taggaagcat	ctgcggtgtc	420
cagtcgcgacg	tagtcgcgct	catcccagcc	atcaattcgt	attcaccacg	gggccggaag	480
gatccgcgc						489

<210> 13774

<211> 1185

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (934)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13774

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cagcaacgga	agctaggaat	tccaacatac	aaggtcctgc	cactgacttc	aaacgcggga	180
atcattgagt	ttgtgccgca	caccatccct	ctgcatgact	acttgatgcc	ggcgcatcag	240
cgatatttcc	ccaaggacat	gaagcccaac	gtgtgccgaa	agcatatcag	cgacgtacag	300
acacggtctt	tcgagcagcg	agtcaagacc	ttccgccaga	tcacggacca	tttccatcca	360
gtcatgcggt	acttcttcat	ggagaagtcc	aacagcccgg	acgattgggt	cagcaagagg	420
ctctcatata	ctcggagcac	tgacgcgatt	tccattctgg	ggcatgtgct	tgggcttggg	480
gatcggcatg	ggcacaatat	tttgctggac	gagagaaccg	gagaggctcg	tcatatcgat	540
ttgggtgtgg	cttttgagca	aggccgagtc	ctaccggctc	ctgaggtagt	tccttccgca	600
ctgacgcgtg	atctggtcga	cggtatgggc	atcaccaaga	cagaaggggt	cttccggcgg	660
tgtctcgaat	tcaccctcga	ggcacttcga	caggaatcgt	acagtatcat	gacgatcctt	720
gatgtgcttc	ggtatgatec	tctgtacagc	tggactctct	ctccactgcg	catgaagcgg	780
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ctagcaaga	ctctcagtg	cacagcgacc	gtcnatgaac	tgattcagca	ggcaactgat	960
gaaaggaaacc	ttgctgttct	ctattgcggt	atgtcattgg	agcttctgtc	cctgacgaga	1020
ttgaaggcta	acattatttt	caggtcgggc	cgcataatga	taggcactca	gaaatgtgta	1080
gcaaagccga	ttcttccagt	tcgatatgta	tatccgccaa	ggcccttttc	tacttgaggg	1140
ccctgctgta	tcgccattcc	atcatgcttg	acgaatcggc	aatga		1185

<210> 13775

<211> 240

<212> DNA

<213> A.fumigatus

<400> 13775

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agcgtcgcca	acaatctcgt	cgatgtcttc	ggcaggatac	gtgagagtaa	ggattgtttg	120
ctaagctaca	ttatcccgat	cagcgacaat	ggaggttctt	cctctgagct	gatccgaata	180
tttggtggtc	ctggcatcgg	tgatgtgaga	agtaagactc	aacattctca	agaaagatag	240

<210> 13776

<211> 1329

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (1247)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13776

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agctacgcat	cgtctcacgg	aaccgccgat	gattcccctg	ccgttgccag	cgcctttgcc	180
caatgcgcag	agaattcagt	cattgtcttt	caggaagggtg	ttgactacaa	catcttccac	240
ccgatcaaag	cgaccaatct	cagcaatgtc	gagattagag	tgctcgggaa	cctgcatctt	300
ccccaggaca	ttaccgccgt	acagaacatc	gtcaaatccg	gccaaagtac	ctgggttcacg	360
ttccaaggcc	cccgcgtcga	ctggactgga	gccgacgaca	tcaaaaatgg	ctggataaac	420
tcgtacggcc	aggcctgggtg	ggacgcaaac	ccagccaaca	gcagcagttt	cccgaaccgg	480
ccgcacctga	tgagctacaa	gacgagccag	gcgtcgatca	agaacttccg	ctcgcgcaag	540
cccatcgctg	ggaatgtcaa	gctacagggc	gacgacatca	ccgtctccca	cgccatcgtc	600
gacgccacat	cgacggggcg	cttccccttt	aacaccgacg	gcttcgacgt	cgagggggacc	660
aacatcagca	tcaccgacag	cgtcatgttc	aacgggtgacg	atgctatcgc	tgtcaacaca	720
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gacgtcaccg	tcacgcagcg	gttgtagccg	gcgcgcttca	agtcctggtc	gggtggcagg	900
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ttcgtcaccc	agagctaact	cgaccagagc	gcctcgcggt	cgggcacgat	cgaccctttc	1020
tcgtccgtca	tgatggagga	cttcacctgg	tccgatttct	cgggcaccat	caacacctac	1080
caccccgggc	atgggtcgtg	cgttaccgat	ccgtgctggg	acaatgtcgg	tctgcccac	1140
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aggacagagg	gtatccggct	tcacccgcag	agtaaggact	cacctancgt	tatttgcagt	1260
aaggctacgg	cggaacttaa	ccccaaactg	gggtttgagt	gtaagaacgg	tacttttgtt	1320
ccccattga						1329

<210> 13777

<211> 237

<212> DNA

<213> *A.fumigatus*

<400> 13777

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ccatcatctg	cacctgccta	ccgccaatcc	aaccctctct	cgcccacatg	tgcccgtgcc	120
tgctctcttc	gcgcccgcgc	ccgcgcccgc	gcccgcgcga	cagtaaaccg	caacgccaac	180
gcgaaaaaga	cctaccctct	gtctactcgt	tccgtctcaa	taaccctgtc	gctatga	237

<210> 13778

<211> 276

<212> DNA

<213> *A.fumigatus*

<400> 13778

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tccccgtccc	ttagctccaa	ctcgactccc	aacatctcgg	catccgacgc	cgctctccac	120
ctcaacagtg	ctacgcgcac	tgacgcaccc	ttacaagatg	tctggaacgc	cctaatacgac	180
acctcaacct	ggccaagatg	gaacaccttt	gttcgcgcgc	tcaccattcg	cgaacaacca	240
gacaccctcg	atgcctctcc	cgacgccttc	tccccg			276

<210> 13779

<211> 705

<212> DNA

<213> A.fumigatus

<400> 13779

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cccggcacct	acacaacggg	ccaggcagcc	aaagctgcag	cataccgctg	tctgtttgac	180
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gagggcagcc	gagtgcgcg	tattgacatc	gagggagtct	tcctgactta	ccaggaggca	480
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gttcgagctg	tgtcagaata	tgggacgaat	tatttgattt	cggtcatcaa	gaatcaggaa	660
ctggaggccg	tacatctggc	tgaggcggct	atgaggatat	tgtga		705

<210> 13780

<211> 828

<212> DNA

<213> A.fumigatus

<400> 13780

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agtgcacg	ctaaagggtt	tggcccaggc	agtgatattg	ccaacactga	tccaaacttg	180
gtgatcacta	ttattaacca	cactcatctc	ctcgtaataa	acaaatttcc	tgttttcggg	240
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cgccctgccc	atctatttcc	ggacgacccg	aactgtgacc	ctgagtggat	tccgtttcgg	480
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tccaacaatg	caggggtact	tcccataaac	gtcgcgttgg	tccgagagtg	gattattgtc	660
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tctgtttggc	taaagagtg	agaagagttg	gatcgttgg	aacaggtcgg	attatccaaa	780
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<210> 13781

<211> 801

<212> DNA

<213> A.fumigatus

<400> 13781

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cctgacctca	cttgcggtat	cgccctcgct	ctttccaccg	catatacccc	ccctttagt	120
gtcatggcac	aggatcagga	caatttcccc	cagaccacat	ctccacctcg	caaacgtcgc	180
cgacccccca	agtctgtga	cccgtgccgt	cgctcgaaag	tccgttgtga	cagggagggt	240
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atcgggtcca	atcccagcgt	ctctccaagt	caggctctgc	gccaccttca	cgaccggggt	600
cgtggagccg	aacaacagct	gtctgatgca	tctcggccca	gtccttcggg	caatggatgg	660

accataccgg	ccacgcttcc	tcgtctgcgt	atcgccccga	ataacacgaa	gctttttggc	720
cccagtcact	ggctgcatac	cgctgagaaa	gtatgggatt	tcggagttac	ttccctcaac	780
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<210> 13782

<211> 1233

<212> DNA

<213> A.fumigatus

<400> 13782

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ttccttgccg	cccatgccag	cgtgcgagaa	cgtcgtcgca	ctgtttttac	cgccctgcag	180
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ccatcgga	agtcgactgt	caatctggat	ggcctgcagg	tcggttgtct	cctattattg	1200
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<210> 13783

<211> 234

<212> DNA

<213> A.fumigatus

<400> 13783

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<210> 13784

<211> 357

<212> DNA

<213> A.fumigatus

<400> 13784

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<210> 13785
 <211> 432
 <212> DNA
 <213> *A.fumigatus*

<400> 13785
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 ctgatggtac agcatctgct gccgcaggtg agctttggct ggacgatgcg catcatcgcg 180
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 cctcttgatt ag 432

<210> 13786
 <211> 582
 <212> DNA
 <213> *A.fumigatus*

<400> 13786
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 ccgaaagatc cctcaaagg taaaccccg tctcagcgca gcccgctctg aaggcgcat 480
 cagcgatta cacttccact ccacgcggcg gaaccccaa tctgcaatcg cgtacttgag 540
 ggcaaggtag aacgcctcgg tagcgactgt cgtccgctgt aa 582

<210> 13787
 <211> 777
 <212> DNA
 <213> *A.fumigatus*

<400> 13787
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 ctcatcggtc gcacggttgc tctgacaaa ctaagcgag accacgccgc tcagctattc 180
 cctctggtcg gtggtgacga tgcaacaaaa atcgccctct gggactacat ggccgatggt 240
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 gtactgtttt ctccaacgtt acagcggacg acagtgcgta ccgaggcggt ctaccttgcc 480
 ctcaagtacg cgattgacga tttgggggtt cgccgcgtgg agtggaagt taatgcgctg 540
 aatgcgcctt ccagacgggc tgcgctgaga ctgggggtta cctttgaggg gatctttcgg 600
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 gaatgggaag ggggtgtcaa gggggtatg gaggagtggc tgcaggagag caactttgac 720
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<210> 13788
 <211> 1494
 <212> DNA
 <213> *A.fumigatus*

<400> 13788

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<210> 13789

<211> 303

<212> DNA

<213> A.fumigatus

<400> 13789

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gggagatttg cagagccgga agagggtggt cggggcggtg cgtttctggg gttcgaggcg 240
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taa 303

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<210> 13790

<211> 192

<212> DNA

<213> A.fumigatus

<400> 13790

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tactgcgcta aaaagctcat tgctgataag ggtactcctt tcctcgcaca tttccatgat 180
ggcatttatt aa 192

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<210> 13791

<211> 183

<212> DNA

<213> A.fumigatus

<400> 13791

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<210> 13792

<211> 300

<212> DNA

<213> A.fumigatus

<400> 13792

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<210> 13793

<211> 753

<212> DNA

<213> A.fumigatus

<400> 13793

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<210> 13794

<211> 354

<212> DNA

<213> A.fumigatus

<400> 13794

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<210> 13795

<211> 189

<212> DNA

<213> A.fumigatus

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 <221> unsure
 <222> (148), (154)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 gacaaccctg tatgcagtcg tcgggtccncg atcnatgctt cccaagtcgg tggtcgggta 180
 cctgcttag 189

<210> 13796
 <211> 753
 <212> DNA
 <213> A.fumigatus

<400> 13796
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 aatgacatca atctcaaaat tttggctact tttatgcgcc gcacggctg cagctatgag 420
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 cagcaacagg catttgccgc ggggatcgac gattttcttg tgaaacctct ttcactgcgt 720
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<210> 13797
 <211> 306
 <212> DNA
 <213> A.fumigatus

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<210> 13798
 <211> 2400
 <212> DNA
 <213> A.fumigatus

<400> 13798
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<210> 13799

<211> 2862

<212> DNA

<213> A.fumigatus

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<210> 13800

<211> 2097

<212> DNA

<213> A.fumigatus

<400> 13800

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<210> 13801

<211> 738

<212> DNA

<213> A.fumigatus

<400> 13801

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<210> 13802

<211> 1044

<212> DNA

<213> A.fumigatus

<400> 13802

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<210> 13803

<211> 1128

<212> DNA

<213> A.fumigatus

<400> 13803

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<210> 13804

<211> 429

<212> DNA

<213> A.fumigatus

<400> 13804

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<210> 13805

<211> 456

<212> DNA

<213> A.fumigatus

<400> 13805

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<210> 13806

<211> 816

<212> DNA

<213> A.fumigatus

<400> 13806

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<210> 13807

<211> 3018

<212> DNA

<213> A.fumigatus

<400> 13807

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<210> 13808

<211> 213

<212> DNA

<213> A.fumigatus

<400> 13808

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<210> 13809

<211> 1392

<212> DNA

<213> A.fumigatus

<400> 13809

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<210> 13810

<211> 753

<212> DNA

<213> *A. fumigatus*

<400> 13810

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<210> 13811

<211> 450

<212> DNA

<213> *A. fumigatus*

<400> 13811

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<210> 13812

<211> 423

<212> DNA

<213> *A.fumigatus*

<400> 13812

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<210> 13813

<211> 1197

<212> DNA

<213> *A.fumigatus*

<400> 13813

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<210> 13814

<211> 606

<212> DNA

<213> *A.fumigatus*

<400> 13814

ctggccatgc	aaagcgccca	tacgagagca	gcctcttcca	caaggacgag	gagcacaagc	60
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ctggggacct	gcaacccgag	aagccaagcg	agtctacagt	gcaacccctg	gttgtccag	180
ggcttggtgc	tgaatccgca	gacacgtctc	agaagggtga	gtctgcagaa	gctgttgccc	240
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aggttaaaga	gagcatccaa	gctttcaccg	gcgagggaca	ggcccccccg	tccaaggagc	420
cccagcaaga	gccccagcaa	gagccccagc	aagagcccca	gcaagagccc	cagcaagagc	480
cccagcaaga	gcctgaggag	aaggccaagg	aaaaggccca	ggagaccgcg	cccgtcaagg	540
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ccatga

606

<210> 13815

<211> 471

<212> DNA

<213> A.fumigatus

<400> 13815

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gcgcactttc	ctctcatggc	tgcggccgca	gcagcggcag	cgacgttggg	tttggccttt	120
gtgggagtct	ccggagtcgc	cttgacgggc	gcggtctcct	gggccttttc	cttggccttc	180
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tggatgctct	ctttaacctc	ctgcttctgt	ctggcctccg	cgtcggcttc	gctctctgca	360
cctgcggtag	caactgcagc	gggaacgaca	ggggatgtag	tggaggcagc	agcctgggca	420
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<210> 13816

<211> 831

<212> DNA

<213> A.fumigatus

<400> 13816

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<210> 13817

<211> 618

<212> DNA

<213> A.fumigatus

<400> 13817

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gggtttggcc	tttgtgggag	tctccggagt	cgccttgacg	ggcgcggtct	cctgggcctt	360
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gccgggtgaa	gcttgggatg	tctctttaac	ctcctgcttc	tgtctggcct	ccgcgtcggc	540
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<210> 13818
 <211> 1848
 <212> DNA
 <213> A.fumigatus

<400> 13818
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 gatacgcaaa tctctcgtaa cggggcgga gatgaggcca tctgctttcc tgacctatt 180
 caaacatgga gctttgcgga tagtagcaat aacgagtcct tgttgactgt tgtcccgcc 240
 gtgctagcta tttttctcaa aacgatttcc actcaactag atcttcgaga ctccggtttg 300
 gccctgtgca agcatctaata gcacaaagat cagctgagac tctttaatcg tgggtctaact 360
 gcacttaaga ccaaggaaca tctgatctcg ccatgtcttc gtctctttac ggagattgtc 420
 agtttcgacg gcggtgcggt ggcccgcacat gtctacatgg cacggtacat cacattcaaa 480
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<210> 13819
 <211> 843
 <212> DNA
 <213> A.fumigatus

<400> 13819
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 aactcgatca tccgaaattc ctccgccttc tccctccctcc ggtctagctt cgatgctacc 180
 gagtcggaag gcatcggtta tcaattggca ttttttgata attgcgcatg cagaatcgcg 240
 aagaagccag tccattacga tgatttactc gcatctctga ctgaaggcga gaatcaaccg 300
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 gcagccgcag aacttgctgt atgcacgtgg attgctaggg tgttcggtag attgaagcag 420
 gcaggagacg acccaaagac tctgaaggcc gctcgagata acgttttaca aacaatcgtg 480
 agcaagcaaa ttaaatcaac gctcaagaaa gtccataaaag acactgatga gactaccgat 540
 aaagatggca tgcctcagga tggagtgaat cgctcggagc ccaatggtac gaaagacaaa 600
 gcggcgacg tggatttgag ggagatcttt ggcaactctc cgactgaaag caaaacccat 660
 aatgagcttc acaaatggga gaaagaagag ctcgagatcg cgggtggaaca gggctcgcatc 720

tctgatttgg	tgctgtgctt	gtgctcggaa	catgaggaaa	ttcggagaca	agcatttgct	780
aacctgcac	gattcatggc	aaagcttagg	gtatgtttct	catgcacaat	taacgaggaa	840
tga						843

<210> 13820
 <211> 363
 <212> DNA
 <213> A.fumigatus

<400> 13820						
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gtcaataagt	ttctccagaa	ggcaccatct	tgggaggttg	gaaagatccc	gtcgtattgg	240
attgacaagg	ttttgttaca	tgaacctgag	ttggacgatg	gttactttga	ggaaactagt	300
tggcttttgg	atctgctcat	aaagggcctt	cgcactgagc	gggtaagcga	acatttcttg	360
taa						363

<210> 13821
 <211> 327
 <212> DNA
 <213> A.fumigatus

<400> 13821						
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tcgacacagg	tcgggggcag	tacaacctta	gttaccaggg	caggcgttgt	cagttggatt	180
caaaccacgc	tcccgttagt	gaatgctaaa	gaggctgcta	cctttgcagc	tatggccgat	240
accttgcatc	taacagcgga	ccaggaccga	gtcacgaaat	ggagtgcagg	ggcagtggtc	300
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<210> 13822
 <211> 234
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (176)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13822						
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ccatcgttcc	ccctgaataa	atttctcccg	gtgaacaatg	aaatgttggt	catttnatct	180
tcttaccac	attatccttg	gacctgcgct	ggtcaaacca	atcccaaac	ataa	234

<210> 13823
 <211> 237
 <212> DNA
 <213> A.fumigatus

<400> 13823						
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tgcaccttta	tgaaactcac	agtatatattc	atgccatttt	gtctgttggg	gaaaatcgcc	180

ataagcgttg acgccgtatg gacgggtgcc agattctgca tcaacgcctc cgagtag

237

<210> 13824

<211> 183

<212> DNA

<213> A.fumigatus

<400> 13824

tgggccttaa aacgggttcct caaccctgtc atggtgggta aaaacaacct aatcaacctg	60
cagccccctgg cccaacactt ttgggacaag gatgctttgc ccaaaaggga taatccccct	120
ggaatttttg cacaacggga acctaaacag tccagttgga cttctggcaa cggtatttct	180
taa	183

<210> 13825

<211> 1017

<212> DNA

<213> A.fumigatus

<400> 13825

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gccttggaact cgggtcagctg caccgatggg atgacctca agttcaaaaa caagctgttc	180
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aacgctgtct ttgacgacaa ggctcaacg gccaaagctcg cagcgaccaa gactacgtgg	360
cagaaggtat ccaacaccac ggttcttgac tttggagata tcgtcgttgg ccatcagggc	420
accaaggaca agcgggttcct agatgtcagc ttgaacaagg cctttacgct cgatgtcagc	480
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ctcgccatca actgtgtcaa ctgcggcacc acaggcactc tcgcattcgc cggccatgtc	600
gaagcgagtc tgtttggtgg gttggagaag ttcgagctgt cggctacccc tcgtaacatc	660
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gctccgggta aggagtggac actggtggag ctgccactac ccagtggctg gcgggttcca	780
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aaggtaaatt ttggccagca agaaccgggt gaccatctcg ggatggattc cagaaatcga	960
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<210> 13826

<211> 345

<212> DNA

<213> A.fumigatus

<400> 13826

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gtccgtgact ttatcgacta tctggtaacg aattattatc cagcaacgat cgaggatccc	120
aacgtccagg acaacactaa atgcaaggga gcatcaaca cttttggcat ccagcgcgat	180
atcagcacgc caaatcctac cgtcgcgttc aactactcgg aggcgttgat gcagaatctg	240
ggcacccgtc atacggcgctc aacgcttatg gcgattttcc ccaacagaca aaatggcatg	300
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<210> 13827

<211> 423

<212> DNA

<213> A.fumigatus

<400> 13827

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gacttggtga	aaatgagaac	tgtcgtcctt	gcgggtccac	gatgggaatt	agtcttttcc	180
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gtgtcatccg	agctggatc	actcgagtca	gagtcctcag	agtccgaccc	atcagagctc	360
gtgtcgtctg	aacttgactc	ttctgtgtct	gaagatctcg	agaaacgctc	ggcagagcgt	420
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<210> 13828

<211> 297

<212> DNA

<213> A.fumigatus

<400> 13828

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caattcggcg	gctcaagtat	tttagtggct	tttgaaagag	accggattcg	atttgacgag	180
gatctggaga	agttgagcca	tcagcagatc	atgggtggatg	ttgaggtggg	aatgagctta	240
ggcaaagcaa	cgcagaaagg	gcatactgca	acaaatgcag	tcacagcaag	tcttttag	297

<210> 13829

<211> 2019

<212> DNA

<213> A.fumigatus

<400> 13829

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accgcagaac	cgcgcattgc	acagggtcta	gagcctcttc	cacaacctga	acaaattaca	120
gaagaaactg	agaaaccaa	ctattcgtct	ctccctgcat	ggctggccaa	tcctgtccga	180
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ggcaagactc	tgtcgtatgt	actgcctttg	gtcactgccc	tgaaaccgac	accggcacc	420
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aacgagagct	ttcaggaatg	ggttgatggt	gttatgaatt	ccctagatgc	ccgtaaagct	900
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accttgaaag	agtactcggg	atctgttggc	gatggttcgc	aaaagccgct	ttacctctct	1200
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cgtggaccgc	caaggacgac	agttctcatt	ttcaccaagt	catctgaatc	tgcatacagt	1560
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aagtctaata	aatcatcagc	ctcccgaaa	acgcttactg	cctaccgacg	aggcaagatc	1680
tccattattg	ttgctactga	ccgtgcctct	cgtggtctcg	atctggtgtc	gttgactcac	1740

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tttgtcaacg	agatttcgaa	gggtcgtggc	ggcaagatta	cacgatccgc	caaggttgag	1920
agggtgaatg	tgaaactgga	cacctcggcc	gagatcaagt	cgagatacgc	ggctgcactg	1980
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<210> 13830

<211> 273

<212> DNA

<213> A.fumigatus

<400> 13830

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ttttccggca	ttctgtccaa	gttcgaaaga	tccgccaagt	tgaaggaggc	agccaaggcg	180
agaatgaca	gtgcgcataa	cgggggcacc	tactgggcca	cttaccgcag	aaccgcgtcat	240
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<210> 13831

<211> 621

<212> DNA

<213> A.fumigatus

<400> 13831

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gaactgatag	gactcagcgc	agttgacatc	gccgggggcg	caggaggccg	tggggcagct	180
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gggggcgcg	ggagcgagag	ggagggccga	agcagtgagg	gcgaaggcag	cagcgaggct	540
gaagaacttg	gagaaagaca	tgatgattgt	ggtgttggtg	gtagtgatat	ttgttgttgt	600
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<210> 13832

<211> 624

<212> DNA

<213> A.fumigatus

<400> 13832

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atgtctttct	ccaagttctt	cagcctcgct	gctgccttcg	ccctcactgc	ttcggccctc	180
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ggcgtctcca	tcgatgacgc	cagctgcccc	acggcctcct	gcgcccccg	cgatgtcaac	540
tgcgtgagtc	cctatcagtt	ccccgatgac	cacaatactc	gtgcctgcgg	caccgggtgcc	600
gccttcaccc	tcaccctggg	ttaa				624

<210> 13833

<211> 789

<212> DNA

<213> *A.fumigatus*

<400> 13833

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tcagcctcgc	tgctgccttc	gccctcactg	cttcggccct	cctctctcgt	ccccgcgccc	180
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<210> 13834

<211> 1881

<212> DNA

<213> *A.fumigatus*

<400> 13834

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ccatcttttg	ttgaccagac	caatctacgg	cctgaactat	gcccgggaact	caagtacctg	1800
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ggctggaagg atccgcggtg a

1881

<210> 13835

<211> 735

<212> DNA

<213> A.fumigatus

<400> 13835

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ctcgctctta	tcaccggttc	ggtcgtccag	ctgggattgg	cagtcgagtc	taagtcgtct	180
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cgatattcca	ccattgctac	ggctttcgac	tttgctttgg	atgacaagga	cattgaccgc	360
aaattgccat	gtaaggatga	atacttcacc	aaaaacgagc	cggtagagac	gagatggttc	420
caacacacga	gtgaacgccc	tgattattta	aatcgggcag	agaacgtcgg	ttcgttcggg	480
ttgtatgtag	agattcttgg	catcttttca	cgcatacatc	tcttcttgaa	aagaccagtg	540
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<210> 13836

<211> 567

<212> DNA

<213> A.fumigatus

<400> 13836

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tgctctatac	ggtacgtatg	taggggtggg	attcagcctg	agacgcggga	agcaaccagt	180
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ttcgagtttt	ccacagtgtc	tccgtcgacc	aggcccaagg	tgcccacacc	cgctccagca	360
aggtacagcg	ctgcaggaca	tcccagtcga	cctgctccga	cgatgaggac	ccgtgcggcg	420
cgaagtttta	attggcctgc	acaagtgatc	agaagcatta	gcaacgtcat	aatcaccaag	480
ccgacgcaga	ggattgttgt	tttcttgggg	ggctcaatgc	acataccttg	caatccaagt	540
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<210> 13837

<211> 633

<212> DNA

<213> A.fumigatus

<400> 13837

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<210> 13838
 <211> 1140
 <212> DNA
 <213> *A.fumigatus*

<400> 13838
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 ctgaatcccc accctacata cgtaccgtat agagcacacc tcacgcctca agaagctccg 180
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<210> 13839
 <211> 510
 <212> DNA
 <213> *A.fumigatus*

<400> 13839
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 gctaacgagg cattccccct tggagaagac ctttgggaaga agaagcctaa caccagggtc 180
 ttatatgcgg tcagcacagc ttccgggtgta ccgcgtcggt tagttgccta tgctgtctat 240
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 cagggatcgc ggcagcagct tatgaactac attcggcagc gtctccagaa ggaaggctgc 360
 caatacattc aattatgggt ggacaaggct agggaaaccg ctcgttcatt gtacaatcgc 420
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 cgaatgggtc ttgacctcaa acgcgggtga 510

<210> 13840
 <211> 2199
 <212> DNA
 <213> *A.fumigatus*

<400> 13840
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catccaagac	agctcactgt	gcgggccgtg	gagccagaaa	gcccaactat	ttcagaatcc	2160
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<210> 13841

<211> 267

<212> DNA

<213> A.fumigatus

<400> 13841

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aagagagttc	ctaaattctc	tctattttaga	cctgtgatta	gttttaggtac	tgccctttatt	180
tttcctagaa	tccttagctt	ccttataaat	actagggtta	taaagttgcc	tattactcct	240
gagtttaatta	ttacttttagt	taattaa				267

<210> 13842

<211> 264

<212> DNA

<213> A.fumigatus

<400> 13842

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tactttatag	tagtctactt	agataatata	ttaatctttt	tagaaaaata	aaataaatat	180
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<210> 13843

<211> 228
 <212> DNA
 <213> A.fumigatus

<400> 13843
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 tctggcccca agtcacatac tcagtctccg gctgtgacgg gcacgtcggg agtagcgggc 180
 aaattcgggtg gaggagtgc aatcgccgct gataacttgg gtacgtaa 228

<210> 13844
 <211> 714
 <212> DNA
 <213> A.fumigatus

<400> 13844
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 tcgttggcag tgattaccaa ggaaggggtg gagatgcatg aggaccagaa gattgagaag 660
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<210> 13845
 <211> 765
 <212> DNA
 <213> A.fumigatus

<400> 13845
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 ggtcttggga aagggtttga tgggtgggag ccgtttggac caggcatcgt gtcctcgagg 600
 ttgatccgct atcccaacgc actccatata tcgacgaggg tcaatggcca agtcgttcag 660
 tcttctctta ctagggacat gattttcagc gttgcaaagg ttgtggcatt tctgtctcaa 720
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<210> 13846
 <211> 237
 <212> DNA
 <213> A.fumigatus

<400> 13846
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gcctgcgaga	aatgccgtct	tcgaaagaca	aagtgcgaca	acaggcgccc	aagttgcgga	180
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<210> 13847

<211> 669

<212> DNA

<213> A.fumigatus

<400> 13847

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ttcggccaac	ccaccggcga	ttttttcggc	tttatgaatg	ccgtttgtcc	cgtcgccaaag	180
gtcatcggat	tgttccccgc	cacctggatc	ggagatcgat	acggcaggaa	gaaggtgttg	240
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cgacgtggtc	ctggagaatc	ccatccttac	tccaacaagc	cataccggcc	tttcaaaactg	600
cttttgtctt	ctgggtccca	aagtctcttc	ggtccgttgt	ccctacacat	gccgcggctc	660
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<210> 13848

<211> 1116

<212> DNA

<213> A.fumigatus

<400> 13848

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ccggaacga	agggctgcac	tctggaagag	attgcagagg	tcttcgatgg	ccctcgagct	1020
catttgactg	ccggcgccgt	tgatgagaac	agtgcaaaaag	gctccggaaa	ggtacctgaa	1080
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<210> 13849

<211> 453

<212> DNA

<213> A.fumigatus

<400> 13849

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------------	------------	------------	------------	------------	------------	----

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tattccacgg	cgggacaaac	cccctttgct	gcggaggccg	gatcggccct	ggaccccaat	180
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ttcggttccg	acactgatta	ccagaaaagc	gtcggcaatg	tctgggttaa	gacgctcagc	360
ctggcaagaa	tagcatttgg	tcaaaagcag	cgcaaagtcg	acattttgca	gaacctggag	420
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<210> 13850

<211> 255

<212> DNA

<213> A.fumigatus

<400> 13850

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tgttttcgtc	ccgattactc	ctcctctggt	agttatagtg	cccagggttg	tgagacggac	180
gccagcgacg	agggtctctc	tctcgcatct	aactttgaag	gggaagaagc	tgtggatcgg	240
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<210> 13851

<211> 420

<212> DNA

<213> A.fumigatus

<400> 13851

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ggcgtcgaat	gtctgggata	ctcggcgaca	cctattcgct	gggtagcgcc	tacgtcaact	180
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aaacgaggac	ggccgaagct	attcctcatg	caggcagcgc	cgcggtcttc	caaagatgga	300
tcagatccac	agcgggtctg	tgaagagctc	gaatcgcaga	aagggtgcgc	tcgcggaagt	360
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<210> 13852

<211> 2115

<212> DNA

<213> A.fumigatus

<400> 13852

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cgactaaacg	ggcaatgggg	gatgcctcct	ctgtoggett	acactccttt	tgaatctctc	180
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cccctgaaac	gtaagatcgc	gagtccacgt	ccggagggtg	tagtcgataa	tggaagaagc	480
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cagccaccgt	tggattccaa	ggtcaagcaa	atcgagcagg	aatcgcccg	caacgatatt	840
ttacctctt	caacgcgaga	agagctagcg	caaccgaccg	ggccgtcggt	atcgcccgca	900
gcgacacaac	aaccccgagg	gctatccact	caaccgcccag	ctcaaccgca	tcaagaacag	960

ccccgaccgc	agcagcagca	gcagcaaccg	caaccgcagc	cgcagccgga	tgatgggtcat	1020
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gaatctgttg	ctgaggttgg	aaacgtgcct	cttgaaaaaa	tcaagcatga	gttgccaggt	2040
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<210> 13853

<211> 216

<212> DNA

<213> A.fumigatus

<400> 13853

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cgcccctatt	cttactgggc	cgtttttgtc	ggtttttggg	cacttgtctc	cctttcaaga	180
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<210> 13854

<211> 417

<212> DNA

<213> A.fumigatus

<400> 13854

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cttggtatgtc	aaggaggaga	ggcccgtctc	gcaacttcgg	caggaacca	gccggccccgc	180
agtccagcca	ccgttggatt	ccaaggtcaa	gcaaatcgag	caggaatcgc	cgcgcaacga	240
tattttaccc	tcttcaacgc	gagaagagct	agcgcaaccg	accggggccgt	cggtatcggc	300
cgcagcgaca	caacaacccc	aggtgctatc	cactcaaccg	ccagctcaac	cgcatcaaga	360
acagccccga	ccgcagcagc	agcagcagca	accgcaaccg	cagccgcagc	cggatga	417

<210> 13855

<211> 1542

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (10)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13855

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gcggcgcggt	cctcggcttc	cagacaccgc	gattatagcc	gtggtcgctc	ctatggtcac	180
catggccgat	cacactcgta	ctctccctcg	cgctctcgca	gcagagactg	ccaccgtcgc	240
gacaagagcg	agcagcgcat	tgctcagget	gctcgggccc	cactgacagc	ggcagctgtc	300
gaggccttcc	gtgttcgcaa	ggaacctggc	gagtggacag	gcgagaaagg	caaacggatt	360
ctcacggctg	caattaccgc	tgcggttaca	gatgggctag	tcgaccgtaa	cccaaacaag	420
cactcgaagc	gccacatcat	cgagtccacg	cttgccgggac	tggcggccaa	ccatttctgt	480
aatggggccac	ggtcaaagtc	gagatccaaa	tcccgcggtc	gtggctccga	cagcaagctc	540
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aagtcccgtt	cccgggtccc	tcaccgcggc	cggtccagct	cacgcgacag	ctacgatgaa	660
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aatcaaggta	tgggaagcgt	ggggctggga	gacaaggaca	gggacaagga	ctgggatgac	780
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gatagtgagc	ctggggagag	acgggccagg	cactccagag	atgtaggctc	acctcgttct	900
gtttatgcc	cgcaagcacc	aagtctctgc	atcaccacca	cgtcgggagc	caggggctca	960
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cggctccgca	tcaaagccaa	cctcgcgcac	gccgccagca	tcggcctctc	cgcgctgagc	1260
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ttcagaaaga	aatgcgagca	acgtcgtcaa	aagcgacagg	agcgcatgcg	aagcaagagc	1380
cagagtgccg	ccggtctgcc	ccgtttttcc	tggcggaccg	tcgaccggga	caagattgag	1440
gaaaatgcc	gttcttcggg	atatttgcac	tcacatgctg	ggaagggtcg	atcgccgagt	1500
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<210> 13856

<211> 999

<212> DNA

<213> A.fumigatus

<400> 13856

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gcgtccacat	cggtagactc	gctcgccatc	ttctctggca	gggctgccga	tgaagagact	180
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acgacggacg	agggctgggg	caagtacttc	cagaacaaca	atggcaccaa	taccaactta	420
gcgaacacac	cggccatcgc	ggccctcggg	tctaattgcag	aggatcggat	cagtgcctgg	480
cccggagcgc	cccttcctca	attgaatttt	ggcttctctg	aagagcccgc	gccgctcggc	540
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accacgcctt	tcccagggtc	acctgcgcct	gcgcgggcca	accgcgcaaa	caacgcaaac	960
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<210> 13857

<211> 813

<212> DNA

<213> A.fumigatus

<400> 13857

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cgcatgaccc	actgtaggtc	agcatcgacc	aaatatctaa	acccactcaa	gaatagaccg	120
ctcactatag	acacagtcaa	ccaccatgac	gacggctgcc	cctgcccagc	ccaaatcaaa	180
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agacagggcc	tgtacggctg	ggagggcgac	gaacctgtca	gtcagtgtct	gtctaggggg	780
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<210> 13858

<211> 594

<212> DNA

<213> A.fumigatus

<400> 13858

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acgagtgcta	tcgacgttcg	tggcgagaag	atcgtacagg	cagcccttga	tagggtttcc	180
agaaaccgca	caaccataat	gattgtctcat	cggctgtcca	caattcgacg	agcagatcat	240
atcgttgtta	tgaaaggagg	cgtgaatgtc	gaagagggaa	cacacgagga	gctcctccag	300
cgagagggtg	gagtataccg	agaccttgtc	aatgctcaga	ggcttgagct	gttggcgaaa	360
gaggacagcc	acacaggtaa	cgcggtgctc	gagttgcaag	atgaggccca	gtctcccacc	420
atgtctgttc	aagagaaaagt	gcaggatgaa	gataacaccc	aggacaaaaa	tcgaggggtt	480
attaggacta	ttgggctggt	attgtatgaa	caacgtgcgc	ggtggccggt	gtacgtggcg	540
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<210> 13859

<211> 759

<212> DNA

<213> A.fumigatus

<400> 13859

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ctcggcatca	aagcgcaaac	gtcactcagc	ggtgggcaac	gtcaacgact	ctgtattggc	720
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<210> 13860

<211> 690

<212> DNA

<213> *A.fumigatus*

<400> 13860

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aaaagcacca	tcgttgccct	gatagaacga	tggatcagat	tggcgatgag	tccagaagac	360
cagaaccaag	ggagtatcta	cgctgggccc	catgatataca	acagtctgga	cctgaaatgg	420
tggagatcgc	agattgggct	cgctccagcag	gagcctttcc	ttttcaatga	taccatcttc	480
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aaagaactga	tcgagaaggc	ctgtagagag	gcctttgcgg	aggaattcat	ccagcgttta	600
ccagaagtat	gtttgtctgt	ggaataccga	ggcatatctg	actgtgacag	ggttatgcaa	660
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<210> 13861

<211> 735

<212> DNA

<213> *A.fumigatus*

<400> 13861

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gatgcatttc	ggaccgtttc	atccttgacg	atggaggacg	ccatccttga	ccgatacacc	420
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cctctagaga	gtaccaaccg	acctcattct	tcgttatatt	catggctatc	attcaaggcg	660
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<210> 13862

<211> 561

<212> DNA

<213> *A.fumigatus*

<400> 13862

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gcggcggaag	tatttgggtc	tattcggact	gtggtttctc	tcggtgcccc	ggaaagcctt	300
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<210> 13863

<211> 843

<212> DNA

<213> *A.fumigatus*

<400> 13863

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<210> 13864

<211> 261

<212> DNA

<213> *A.fumigatus*

<400> 13864

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tccggtagag gatctaagaa ggccacagac ccagcggact atcatggagt cgaaacgctt      180
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<210> 13865

<211> 252

<212> DNA

<213> *A.fumigatus*

<400> 13865

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tatctccggg ggttactcat tctagccatc gctaacctct cttcccaatc tataggcaag      180
caacggaaga accgttccaa gaagttccgt ggtaccgcca agaccaaggg acccaagaag      240
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<210> 13866

<211> 204

<212> DNA

<213> *A.fumigatus*

<400> 13866

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<210> 13867

<211> 204
 <212> DNA
 <213> A.fumigatus

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<210> 13868
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 13868
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<210> 13869
 <211> 414
 <212> DNA
 <213> A.fumigatus

<400> 13869
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 cccgcgcgca gcacccccgt cactccccctg gcgaccgggt ccgcctcgcg cgtgcccgtc 360
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<210> 13870
 <211> 498
 <212> DNA
 <213> A.fumigatus

<400> 13870
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<210> 13871
 <211> 1314
 <212> DNA
 <213> A.fumigatus

<400> 13871

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<210> 13872

<211> 450

<212> DNA

<213> A.fumigatus

<400> 13872

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ggtgatggta	gaggtgatca	ggggccggga	gatggagtag	gtcacgccgt	cggagacggg	420
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<210> 13873

<211> 900

<212> DNA

<213> A.fumigatus

<400> 13873

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cgcaagcgc	gcccgttct	cgacactccc	gccccacgca	tccgtgcgct	tgttcgccgt	180
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<210> 13874

<211> 864

<212> DNA

<213> A.fumigatus

<400> 13874

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<210> 13875

<211> 1758

<212> DNA

<213> A.fumigatus

<400> 13875

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<210> 13876

<211> 1572

<212> DNA

<213> A.fumigatus

<400> 13876

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<210> 13877

<211> 651

<212> DNA

<213> A.fumigatus

<400> 13877

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tccaaatcta	ttttcaacaa	tcctaccctg	gcaccgaaga	caacaatgat	cgggttggtat	180
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gattccacca	aaacaccctc	agttctcagg	agaatgatgc	acgctctact	tgtctttttt	300
gctcagacct	acgacagcgt	cttcggcttg	tcgtccggcc	ctccccctca	cgatccgctc	360
gcggtggcag	tcgctatctc	aaatcttaac	cccacctttg	cgaaaaagca	ccccgatcaa	420
gccttgaagt	tcaatgacaa	gaatggtgag	cggtttgctg	tcgacgtggt	taccgatggc	480

atccattcaa	ccaatgcgtc	ggagactggg	cagctaggcc	gcacactagc	tactccaatg	540
ggcggacatg	gagtagctat	ccccagagga	gtggacctag	aggccttttg	gaacttgatt	600
ttggattgcc	tcacgcgcgc	cgacgaatgc	aacgcgacgc	gaaagtcatg	a	651

<210> 13878

<211> 510

<212> DNA

<213> A.fumigatus

<400> 13878

cccctcccct	tgcataattc	tgccagcaga	aatgagacgc	taagggctaa	tgttgtaata	60
aatacaggcg	attctggact	cgatgggact	gatttggttac	cgaaagcacc	gaggttcct	120
gtgatagaca	aaaacccaat	tgtcgcaatg	cgtgatgctc	tcattggcgca	accaaagggg	180
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cccgaagtag	cggtccatat	tcaggggtctt	agcatcatgg	gcggtgccat	tggaggaggg	300
ttcacagatg	ctcccatgag	tcgactgccg	ggggaacatg	agagaattgg	aaatacaaca	360
ccctgggcag	agttcaatat	ttatgtgcgt	atatcaacat	cgcgtcggat	ttcccgatcg	420
cttctaacct	catcttcggg	caacagtgtg	atcctgaggg	ttccaaatct	attttcaaca	480
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<210> 13879

<211> 357

<212> DNA

<213> A.fumigatus

<400> 13879

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gtctatgccg	gcagcaggaa	gcctttttgc	cggcctgcag	ttcacgctcc	ggacattcat	300
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<210> 13880

<211> 2721

<212> DNA

<213> A.fumigatus

<400> 13880

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tgggtatctc	atttcgcgca	gagcaatggg	acaagtgcgg	acactgtaca	tttgtcacac	180
tcggcctcca	caacatcaga	ccgccaggat	tcgcttatct	ctgtctcttg	gagggcgagg	240
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gacttagagt ctatttcaag aatacgttcc cgcattggat ctgctggagt gcaacctgat 1980
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cccgcctatg atgtggcgcc cctccgtctc gtttctgcac tgatgctgac ttatttgaag 2580
tcagagcagt ataaaaaagt tgaagagtgt tggcaaatta cttttccccg tgtcgtcaag 2640
atggcttact caagcccctg ggaacccctt tgggggggaa aatttgggaa aaaaattttg 2700
ggggggggcc cctttttggg g 2721

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<210> 13881

<211> 330

<212> DNA

<213> *A.fumigatus*

<400> 13881

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ttcgtttttc gagagagaga ggaactcctc ctgcgcggag attacaacgc ttaccgggca 180
cacacaacac gcaggttgca caaacttcgc aagaagctcg gtcagactac tcctaaaggt 240
cgtaaatata ctgccaaacc tcctgtcagt gcagaggata ttagcaacaa tgtggcgtat 300
gtttcccccg atatgcttgg gtgtggctaa 330

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<210> 13882

<211> 612

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (70)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13882

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gcttctgcan ctgcggcaga gtcgcgtctc aagtctgggc ttgcggatgt ggaaagggag 120

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tcggtttcat	caaaagataa	agctgccgcc	tatgacagtg	ttattattgc	cagccaggac	180
gcagtcgatg	ctactaagac	cgccattgat	gatttagcta	atgaaggggt	ggagccaagc	240
gataagagga	tgcaaagctt	gcaaatacct	cgtaccgcgg	tcaactatgc	cttggtggga	300
tggagaattg	gacgtaaccg	ggttctgtgc	ggtactaacg	acggcatgat	ctttgaaact	360
gacaaagccg	agtgcctcaa	gaggggaaag	ggcgcaagtc	gagaggagtc	gactgggaag	420
aagttgacaa	ggctacgcga	aaagggtgtg	ctatatgact	ctattctgca	gagcatcgag	480
ttcatcctgg	agttgcctgg	tgtcgtgca	gacaccacct	ttgtgcaaga	gctggaagcg	540
aaacgctgct	acttccgtgc	tttgaggtag	gaatatccag	ttttgctggc	cattacaatt	600
caggctaact	ga					612

<210> 13883

<211> 1458

<212> DNA

<213> A.fumigatus

<400> 13883

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gtcaccttca	catcgacacc	caattttcat	ggcatacgag	acctaccgaa	tggttggcac	180
tttttatata	ctggaacaac	agaaagtctc	tctctgagat	ccgggggttg	gttctacgtc	240
ggcgatatca	cgtcttttga	tgagagtcac	aatggaacca	tagtaacggc	gtcatccaga	300
agtcctgggt	gggatatttt	cgtatggaaa	tgggaattcg	agacagaatc	actggagctt	360
ctgcgagcaa	gcagtgatgc	ggaccggcag	gaggcgatgc	gacataaagc	taatttaggc	420
gctgtctggc	agcgtgggtg	gctgttccgg	taccgcagtc	gtgtctcgtc	atcgcgga	480
tcgcagtcgc	agtcgcagtc	gcaagagcac	cagagtcctg	ttcaggaaga	cattgatgaa	540
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aactcagaga	atctagctaa	ggttactggg	gagcaggaaa	ctgcattctc	atttcttccc	780
gttgatctga	agcgcacatg	gagagaagga	gctattgggc	gggagaggac	cgaggcggct	840
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ggagaacaga	cgggagaggc	acagatcttg	ggtgaactcc	aattcacttt	cttgatgggt	960
atgacattga	tgaactactc	gtgtctgcag	caatggaaaa	gattgctgga	gctagtctcg	1020
acctgccaga	atgcaatcaa	ggatcgtgag	cctttcatgg	tgagcgtact	ccgattgctt	1080
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gtcgacaacc	ctggtcctac	gctgaaggca	gaattcgaca	agctggctac	atgggtcaaa	1260
gacgaatacg	actgggaatt	ggatcgcgaa	gcctttgtcc	gccggggcat	aatccagctg	1320
gaggacggcg	aggaagttga	gctagaaatg	gaagatgatg	gagacgacga	gacaggggag	1380
tatgctcccc	tcgttgtcga	tcttggcgaa	gggaacacga	cgcaggatcc	ggacatggcc	1440
aatgtggata	cgccatag					1458

<210> 13884

<211> 282

<212> DNA

<213> A.fumigatus

<400> 13884

ggttcgtttt	ttgacctccg	cagctttcgg	ccttgtgcga	ttgataccct	cgaagagcga	60
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gaaaccatct	gccgtgtcac	cggtggtatg	aaggctcaacg	ctgaccgtaa	cgagtcttct	180
ccctacgctg	ccatgttggc	tgctcaggac	gtcgtgcc	gctgcaagga	gctcggcatc	240
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<210> 13885

<211> 204

<212> DNA

<213> A.fumigatus

<400> 13885

tgcccatctt cacacgatag cgttttgcta ttgttgaaga ccaactatctt tactgatccg	60
ccagggtatg ggacagatac aatgggtccat ctgatgatcg actatctgtc tctcaccgac	120
aattcaatgc taatcatggc caacgttggg gttttcatgg tgtacatccg ctatccgtca	180
accattgatc atttgccgca ttga	204

<210> 13886

<211> 195

<212> DNA

<213> A.fumigatus

<400> 13886

ctgacccctc gattgtccaa gggacagggt cagggaattc cagacacctt ccctgcagat	60
taccttaagc ttctttcaca ggtcagatca tgcaacacaa cacaagcctg ggatgacggc	120
ctgcaagaag ccattactt gaccgctggc aaggtcatgc ctcataaggg tgcgtggctc	180
acggcggctc actga	195

<210> 13887

<211> 741

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (681)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13887

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gcggtcacag tgattgttgc catcctaggt gttgtatcgc agctcagatt gtggaaagtg	180
atcagagaca agcgacgcaa ggaggaagca gtcaagaaaag aggaagagaa aaggaaagaa	240
gaggccgaaa ctgaagtggc ccgcaggctc gaagagaata acatgcgaga aagacaagca	300
tggaagctc aatacgcgga tgcagaagca aagctcatgc ccgagcttgg agatggcact	360
caatgtgctg ctgacaagga ggatctcgaa aaacgtgacg gggcagagggt cagcagcatt	420
tcgagctcat ccaggtctc ttatcgctgc tctgactgta ggaaacagga gggcagtggg	480
gcttcgttct cagatgtgac tcgggctacg ggaaatactg agattgaaag gcatggagat	540
gcaactgaga agacagctga cggcgacat ccaatgccat tcagggtctt tgacggcgcg	600
ggcgctgca gcctgatgga tgacaaggaa tcggatgtga ctgccatggc tggctcggac	660
accgcgacgg tacgctcgaa ncgcttctcc ggaataacca tccgggaaga gaatggtcta	720
tccgagccac ctgaagactg c	741

<210> 13888

<211> 279

<212> DNA

<213> A.fumigatus

<400> 13888

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cgcttttagaa gcccgagacg aatcgccaac tacgacgata tcagggaatc aagctccaag	120
cgcttcagtg acgcgtgcag taaatgcgac agtcggagtg aactctacgg ccacgtcaaa	180
caccagcgct ccggcatcaa cgacaatcct gtcgctcaac aaatcgactc tttcgggaag	240
tgggtgcata ctccctcggt gagacattct gaaagctaa	279

<210> 13889
 <211> 264
 <212> DNA
 <213> A.fumigatus

<400> 13889
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 cccatgcgtt cgtacgaaga ctccagatggc aagaaaacgc acgccctgaa cattgttgca 120
 agtaagccaa ctaccctgtt catgcatctc tatgttagag ataccatact aatgcattgc 180
 cggggggccag ggaagctcaa tgcctccaa aagcccgttc caaggccaaa cgctactgaa 240
 tctggaaacc ttcctccgca ttaa 264

<210> 13890
 <211> 471
 <212> DNA
 <213> A.fumigatus

<400> 13890
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 agtgagaaag taaaagcact ttcactcttt ttgtgtgttt actgtctcga caagtctctt 180
 tccactcagac tagggcgtgc ttcactctata caggattttg atattatcat taccatcccc 240
 gaggatttgg gaggggcccag agtggacgaa ccgtggagaa caatgtatca tctatgggtg 300
 aaaaccgccg agattcaagg aaaggctctac gaacagcttt acagtccggc ggctttaagt 360
 cgaccggaac gcgaaagggt attttgcgct cgtcaattgg catccgagat ggaagtagcc 420
 gtcattggaac cgttcaagggt aggcattccc tggagatcaa gtttaccata a 471

<210> 13891
 <211> 714
 <212> DNA
 <213> A.fumigatus

<400> 13891
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 cctgttgctg gggacgggcg gggctcgcgt tgcgggtttg cagattgcca aggcattccg 180
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 aatccgaacg acactctcaa catgaatgtg ctcaactgc gcaagaacct gacgatcaag 540
 ggaatcatca acggtcccaa ggaccgcttc gaggagatgg tgcagttcta cgagaagcac 600
 cagattcacc ccgttgtcaa ccggatattc cccttcgaag agtccaaaga ggcgttcaag 660
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<210> 13892
 <211> 318
 <212> DNA
 <213> A.fumigatus

<400> 13892
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 actcgttttg aagatagaca tggatccaa ggttggaact gccgttcgat catacaggga 180

accatacac	ccgttgaaca	atgcctctgt	aacactgaca	atgacctgga	catgctcggt	240
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gtagtatatc	catgctaa					318

<210> 13893
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 13893	
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gctcctacct	ctccaaagca
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cggaaccgag	catgtccagg
tcattgtcag	tgttacagag
120	
gcattgttca	acgggtgtat
gggttccttg	tatgatcgaa
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gtatccgtgc	ctcccgtga
240	

<210> 13894
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 13894	
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ggcattgctg	agcgaaaacg
aaattaagaa	gctaaatgac
120	
tataagatta	ggcctgtgag
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gcaacgaaca	tag
213	

<210> 13895
 <211> 669
 <212> DNA
 <213> A.fumigatus

<400> 13895	
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tccattcctc	cagttccatc
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tttcaccgtc	tccaaacatt
atgtctacca	accaggcca
120	
aatctcccc	cttgcgggaa
taaccgggta	cattcaccac
ccacaacccc	tcggggccaag
180	
ccatcatcca	ctcgggaacag
cccgtcatct	ggggctccta
acgagggcgg	cgcgttaggc
240	
atggggttcg	cctacagaac
ttccgaattc	cccggcacct
taaacaacga	gggggacatc
300	
aagaccacg	gtaaatcat
ggagaagaac	accttgggce
tggtgaacc	ggcgggaccg
360	
gtgtgtcggt	ttgtcgattt
taagcccgg	ggagagccgt
tcattgcacg	cacgcagagc
420	
ctggactacg	ggattgtgct
gcagggagag	attgagatga
ttctggattc	gggggagaag
480	
aggacgttga	aggcggggga
tattgctgtg	cagcggggaa
cgaagcatgc	atggaggaat
540	
ccgagcgagg	tggagtggtc
gcggatggtc	tttatcttgc
aggacattca	gccgatagt
600	
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660	
ggtgattga	
669	

<210> 13896
 <211> 1287
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 <213> A.fumigatus

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300	

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<212> DNA

<213> A.fumigatus

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<212> DNA

<213> A.fumigatus

<400> 13898

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<212> DNA

<213> A.fumigatus

<400> 13899

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 <213> A.fumigatus

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 <213> A.fumigatus

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<213> A.fumigatus

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<210> 13904

<211> 231

<212> DNA

<213> A.fumigatus

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<210> 13905

<211> 642

<212> DNA

<213> A.fumigatus

<400> 13905

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<211> 504

<212> DNA

<213> A.fumigatus

<400> 13906

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<210> 13907

<211> 783

<212> DNA

<213> A.fumigatus

<400> 13907

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<210> 13908

<211> 222

<212> DNA

<213> A.fumigatus

<400> 13908

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tcggcgcata	tctatatcat	atctgatcag	aatgcacga	tccacatgat	ccgccatact	180
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<210> 13909

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<212> DNA

<213> A.fumigatus

<400> 13909

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<210> 13910

<211> 1374

<212> DNA

<213> A.fumigatus

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<210> 13911

<211> 183

<212> DNA

<213> A.fumigatus

<400> 13911

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183

<210> 13912
 <211> 468
 <212> DNA
 <213> A.fumigatus

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<210> 13914
 <211> 345
 <212> DNA
 <213> A.fumigatus

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<210> 13915
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 <212> DNA
 <213> A.fumigatus

<400> 13915
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<210> 13916
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<400> 13916
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 cttgcatttt atctctatgc taccgaacct gattctcagg gctggctttt gatcggcacc 180
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 caagcacaaa tgggccttcc agaagaatgg tctatgcaag aagaacggcg acgagcgtgg 300
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 gataaaaaaa aacatgcaag tcatgctgcc agtatctga 399

<210> 13917
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 <212> DNA
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<400> 13917
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 cattcatctt ttgccgattc atcaatgcta gagaggcacg tagaccacta tcaaactcta 180
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<210> 13918
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 <212> DNA
 <213> A.fumigatus

<400> 13918
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 caggtgttcg cgactgcata agatatgcag gatacgtact gtccttcaac gactctggac 180
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<210> 13919
 <211> 516
 <212> DNA
 <213> A.fumigatus

<400> 13919
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 cgaggaagcc gcaaggacgt gggacctcct cgggtgcggc catgccgaac gcgagaaggt 180
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<210> 13920
 <211> 372
 <212> DNA
 <213> A.fumigatus

<400> 13920

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<210> 13921

<211> 639

<212> DNA

<213> A.fumigatus

<400> 13921

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<210> 13922

<211> 186

<212> DNA

<213> A.fumigatus

<400> 13922

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<210> 13923

<211> 276

<212> DNA

<213> A.fumigatus

<400> 13923

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ttcacccctt	cggctagaac	gagcaatttc	acccttgcat	ctcagggcga	ctcttataat	240
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<210> 13924

<211> 408

<212> DNA

<213> A.fumigatus

<400> 13924

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<210> 13925

<211> 246

<212> DNA

<213> A.fumigatus

<400> 13925

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cgcacgtga	ccgtcattgc	aggctatgct	atcatggcat	ggatggccta	tctcattgtc	180
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<210> 13926

<211> 2826

<212> DNA

<213> A.fumigatus

<400> 13926

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<210> 13927

<211> 234

<212> DNA

<213> A.fumigatus

<400> 13927

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<210> 13928

<211> 2034

<212> DNA

<213> A.fumigatus

<400> 13928

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<210> 13929

<211> 579

<212> DNA

<213> A.fumigatus

<400> 13929

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<210> 13930

<211> 267

<212> DNA

<213> A.fumigatus

<400> 13930

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<210> 13931

<211> 792

<212> DNA

<213> A.fumigatus

<400> 13931

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<210> 13932

<211> 870

<212> DNA

<213> A.fumigatus

<400> 13932

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gacgaggcaa	tccggggccga	aatttcgggt	attgaatcat	cgcttgagtt	gaccgcgtct	840
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<210> 13933

<211> 486

<212> DNA

<213> A.fumigatus

<400> 13933

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<210> 13934

<211> 369

<212> DNA

<213> A.fumigatus

<400> 13934

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gagcctatcc acgggtctgc atttgacatc acgggtaagg gcattgcgaa ccccgtcgcg 180
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 cttctgaact gcgtcgagga tgtgtgtgag atggggatgc tcaactccga tctgggggga 300
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<210> 13935

<211> 411

<212> DNA

<213> A.fumigatus

<400> 13935

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 ctogaacatg ctgggattct cccgcgtggg gtccaggttc gaggtcgggg caatcccgat 360
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<210> 13936

<211> 414

<212> DNA

<213> A.fumigatus

<400> 13936

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 ggattctccc gcgtaggggtc caggttcgag gtccggggcaa tcccgatgga cccagccagc 360
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<210> 13937

<211> 1128

<212> DNA

<213> A.fumigatus

<400> 13937

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<210> 13938

<211> 537

<212> DNA

<213> A.fumigatus

<400> 13938

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cggcagaaca	tcaagctgac	caatggcacg	gagattccca	cgggaacgcc	tgtcatgggtg	180
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gacagtccgc	atgatatgct	tacgagtggg	tttgcgtcgt	tccgtgacct	cagagcaagg	480
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<210> 13939

<211> 639

<212> DNA

<213> A.fumigatus

<400> 13939

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<210> 13940

<211> 651

<212> DNA

<213> A.fumigatus

<400> 13940

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<210> 13941
 <211> 246
 <212> DNA
 <213> A.fumigatus

<400> 13941
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 gtcgaggact ttatggcaga ggtcccgggc ttcgagtcga tgtttctggg caaccttcac 180
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<210> 13942
 <211> 2895
 <212> DNA
 <213> A.fumigatus

<400> 13942
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<210> 13943

<211> 636

<212> DNA

<213> A.fumigatus

<400> 13943

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<210> 13944

<211> 237

<212> DNA

<213> A.fumigatus

<400> 13944

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tggcggctga	agccatctct	cacaatctct	gcagaaatga	aggacacctt	cgcgaggga	180
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<210> 13945

<211> 708

<212> DNA

<213> A.fumigatus

<400> 13945

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<210> 13946
 <211> 456
 <212> DNA
 <213> A.fumigatus

<400> 13946						
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<210> 13947
 <211> 630
 <212> DNA
 <213> A.fumigatus

<400> 13947						
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<210> 13948
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 <212> DNA
 <213> A.fumigatus

<400> 13948						
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 <212> DNA
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<400> 13949

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cacgccgacc	ttgtccggcg	tctctccggc	aagcttcccg	agggctggga	gaagagcctc	480
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<210> 13950

<211> 186

<212> DNA

<213> A.fumigatus

<400> 13950

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aactccggtc	accccggtgc	ccctatgggc	atggcccctg	tggcccacgt	cctcttcaac	120
aagttcatga	acttcaatcc	caagaacccc	aactggctga	accgggatcg	tttcgtcctc	180
tcgttaa						186

<210> 13951

<211> 1071

<212> DNA

<213> A.fumigatus

<400> 13951

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gtcacgacgc	cggaccgtca	gtggaagagc	tcgatatcag	cggaaagtcc	cgacgcgata	180
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gagtcgccgt	ccgccaaagg	caagggtggc	gagcccgata	tgcttgacca	tatgcctacc	300
aaacgacaaa	gccataact	ctacaaaggc	ttcatgtctg	gggtccatgc	tataagtccg	360
gtcattcacc	cacctactat	tctgaaaactg	tataatgctt	tttgggattg	gtatgattat	420
agcagctact	ccggggagcc	ttgtccagat	ccatctttca	tcccgtact	ctacgctatc	480
tggatggcg	gtcagtcac	gatctcaata	cggatgatca	aggccgagtt	taatgtctcg	540
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tcctttccac	gaagcccatc	attacagggc	cttgctgcct	atcttctagt	acagacaatt	660
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gcacaaacaa	tgggcctgca	tcgggaccct	gctaatttcg	gcattgaacc	ctgcgaagca	780
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agtggacttc	cacctctcgt	cagtgacgaa	aagtactggg	atgttcagga	gaccagtga	900
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ggctctgcggc	cacgagataa	cccagatgat	ccgacgatct	gtggcggacc	atcgatggta	1020
aacgtgtact	atctatcagc	aagggggcaaa	tatatcatgg	ctcgtaagtg	a	1071

<210> 13952

<211> 1062

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (249), (293)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13952

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ccgatgcacg	cgaccatgat	catgttgatc	gatctctacg	aacgaccgta	tagctccgag	180
gcttccaagt	cacgggcatt	catcgacaag	atattctcac	tttcagggtcc	tgacgggggg	240
tgtcgtcgnc	ggagaggatg	gcacacgac	tcagcgacct	ttaaagatgg	agnccgcgaa	300
gcattgggata	tgatccgacg	actgcgccag	aaggcgtggc	aaaaagcagg	cctagatcca	360
cagcgggttat	ggaccgaaca	agctcagatc	cgagcggggc	tgccctccac	acctcccgaa	420
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tctcatctag	cccctcggcc	cagtcctctg	agataccaac	tacctcctcc	agtcccaagt	600
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catctccctg	ttgcggacga	gctgatggag	ctcgatccag	tctccggatt	cgagtttgcc	960
gacctggcta	atacacggga	tgttggtgac	catacggctg	ctgggaagac	tgatacgggg	1020
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<210> 13953

<211> 1095

<212> DNA

<213> A.fumigatus

<400> 13953

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agccgctcac	ggagaagata	cacacctcgc	tttgatgatg	atcgtcgacg	ggaacgatct	180
cgtgatgctt	ctagtcgccc	gcgtgatcgt	aaccctgatg	ataggggttg	catacgggat	240
ttcagggcta	accgatatgg	cgaccgtagc	taccgcccta	accgcagaag	taggagcagg	300
tcaactggtc	gtggctatga	ccgggacagg	gaccgcagca	ggggtcgaga	tcgcagtgct	360
tcacgcgaga	aagatcgagc	tcgagatcgc	tcgcgtctaa	cggatgaacg	ggaacgagac	420
cgtgatcatc	gcactcgtga	tcgcagcaga	gatcgagatc	gagagagaga	gcgtgatagg	480
gatcgggaca	gagaacgcga	aagggaacct	aatcgggatt	atcggcctcg	cagttactat	540
tctcgggtct	gttcacgagc	tcgacgcgga	cgtatcgctc	ctgtatcccg	cgctagagat	600
cagaaccaag	atctgactcg	agctgcacga	gaccgaagac	gagaacgaga	tagagagcga	660
aatcgtgatc	aagaacgata	tcgagacgga	gacaaagaac	aagaccggct	tcgggaagga	720
caccgtaaa	atgagcgagg	aagatccagg	tcgcgcattc	cgaatccctc	tcgaagaccg	780
tctcgctccc	gacggcgttc	ccccagta	cttgacattg	accactatgt	gcccccaacg	840
agccatcgga	gcagatcccc	ccgaaggcgt	gtccgatctc	cacatcgccc	agagcgagat	900

gacgctcgag	ggttcgtgga	gattgatcgg	tacatacccg	gtagcgagcg	ggaacgcgaa	960
aaggctcgag	atggagagaa	agagaaggaa	aacgaagaaa	ggaaagataa	agggcgggag	1020
cttcctgata	gcgaagcgga	tgaccgcggg	atacggaaac	ttagcgccag	tcaaaggaga	1080
agcaggagtc	gatag					1095

<210> 13954
 <211> 630
 <212> DNA
 <213> A.fumigatus

<400> 13954						
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gaacgacacg	gaatggagga	cggtgtcagg	aagcgcctac	gagctgacgg	aaccctgtcc	120
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gagccggaga	accccagcaa	ggtagcctcc	acatctagcg	aaagtgagga	cgacgacgac	300
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gatctgctct	cccgaatttc	tgcatctctg	ccgaaattga	agagtgccta	tgaggaccta	540
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<210> 13955
 <211> 609
 <212> DNA
 <213> A.fumigatus

<400> 13955						
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ataaaagacg	aaagctctcc	aacgcaaaaa	gcaatggagt	gcccctctc	ttccacaaga	180
aagtcgctgc	atcagaacat	cctcggaaaa	ctacgcctc	tgccactgca	ataccactgg	240
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catgaggatg	tagccgacat	tgccactttc	tatcgctct	acaacaacta	tccttgggat	360
aaaatccgcc	tacgagactc	agtcacatct	ttccgcaaa	gcgtccgtcc	ggtatgggag	420
gatccagaaa	acctcagggg	tggttgctgg	aaattccggg	tccccagag	caaggctcaa	480
gaattcttcc	acgagattgc	cattctctgc	atggccaacg	aattccaggc	tgctttggag	540
aaaggtgtgc	gaatccgctc	atcggcgtct	gcgagcattc	gggtacttcg	agctgactgc	600
ttccctag						609

<210> 13956
 <211> 249
 <212> DNA
 <213> A.fumigatus

<400> 13956						
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catatgatct	ccgtatggaa	caagatgggc	acgaacgaac	gctccatcaa	gatcctcgag	120
caaacgatta	tgcaccgtct	atcgccctgag	ctgcggccca	ccagttccgg	tagccactcg	180
tatttctata	aacgacatga	tgagaatgat	ggataaccagg	aagctgtcgc	agcgagttct	240
tcacattga						249

<210> 13957
 <211> 1110
 <212> DNA

<213> *A.fumigatus*

<400> 13957

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atagattttt	tttttttttg	ctttaccttg	catitttgctt	gcgtttatct	aaaaatggaa	120
gaactattag	cgaaacatcg	caaggagcag	aaagatcttc	aggcccgcac	cacgcagaag	180
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ccagttgatg	gcttcgaaga	actcagtcct	cgtgatcccc	atgttggaga	tgcagataca	360
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accgactcga	caccaacctc	tccacctgcc	tccgccccgc	gtacgaagaa	accgaatcga	480
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gaagaggccg	cgaacacaggt	tgaccatcgt	ggtaacgaaa	aggggggtgat	ggaggctggt	600
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tacagagcgg	ttcgagcagt	ggcagcggat	ttcatcgtcg	agcacaagga	tgacttcgag	840
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ggaggacagc	tggagctgca	ggcagtcgct	cgggcgtatg	gagttaatat	taatgtcatc	960
caaggcgatg	gcaggataga	gaagatcgaa	gccggcgata	tggatgggat	tgatgaggag	1020
gaaagaaaca	ggcgggtcat	ttggttgga	tactaccggc	atacgtacgg	gctgggagag	1080
cattacaatg	cacttacgaa	gcaatcatag				1110

<210> 13958

<211> 258

<212> DNA

<213> *A.fumigatus*

<400> 13958

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ttcttcaagg	atacttggtt	ggagaaacta	caattgcctc	gaaattcttt	tgatttgatc	120
tatgactaca	cggatgtggt	atctcagaag	tcctttgtac	aaagcactcg	gcctggtttc	180
tgtcttcttt	ctcaggagaa	gagtccagtt	agcccccatc	gcagtactgt	gcgtctctcg	240
ctaaacagct	gtgggttga					258

<210> 13959

<211> 348

<212> DNA

<213> *A.fumigatus*

<400> 13959

ggcaaagtgg	tgctggtcac	cggcggagcc	aaaggcattg	ggcgtatgat	ctccgaaggt	60
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gctgtgcagg	agctgaatgc	tattggccgg	ggaaaggcgt	atgctattcc	cgcgaaacttc	180
tacaaggagg	aggaatgcc	gaagctagct	gaggagattg	cgaagcgcga	aagcagtaag	240
ttgggttttg	ggggcccctg	ctcaggcgga	aggctaattc	catgctctat	cagagcttca	300
tgctctcgtg	aacaactccg	ggtcaaaactg	gggtgctcct	tacgatga		348

<210> 13960

<211> 354

<212> DNA

<213> *A.fumigatus*

<400> 13960

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gtctttgatc	tcaccaagct	ccttacgcc	cttctcgaga	aggccggtgc	gccgaatgat	180
ccagcccgtg	tcattaacat	tggtagcatt	gatggattga	gggttccggc	tctggagacg	240
ttcgcataca	gcgcgagcaa	ggctggctta	catcatctga	gccgtgtcct	cgcgcatcac	300
cttggcaaga	ggaatatcac	gtccgtacac	cttatgctag	ttacttgcct	ctaa	354

<210> 13961

<211> 219

<212> DNA

<213> A.fumigatus

<400> 13961

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aatctgcaaa	ccagaaacaa	cgcacctagc	gcgcttccc	ccggtgccgg	ttccgcccgc	180
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<210> 13962

<211> 897

<212> DNA

<213> A.fumigatus

<400> 13962

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ggtagcaagc	tgccgctct	tctacggccc	gatgacacga	tacacttctt	tacctcacc	180
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gcggactatg	gacatttttt	ctatcgaatc	ccgaatggtg	aatctgctgc	ggatgcctat	420
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atgaaactta	accccgacaa	tgggaaatat	gtccttcaga	acaagctgcg	tacgtggtcc	660
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<210> 13963

<211> 732

<212> DNA

<213> A.fumigatus

<400> 13963

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acactagagg	cattggatcc	cttacgggaa	ctagcagacc	aggagaccca	gcgcagaacc	180
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ctgacggaga	tgagtgcgc	ctatgagtgg	gaagaggtta	cacggaagca	ccgagccttg	660
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ccccttcact ga

732

<210> 13964

<211> 237

<212> DNA

<213> A.fumigatus

<400> 13964

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ggaggcttta	gaaacatcag	aaccgcaatc	tctggcgcaa	tcacgcgatt	ctaccttcc	180
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<210> 13965

<211> 987

<212> DNA

<213> A.fumigatus

<400> 13965

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tctcaggggc	caactggtag	cgatgagcaa	aagacagcga	ctgattctga	ggcgcgggac	180
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cggaaatgcc	tggttctcga	cttggatgag	acgctggctc	acagtagctt	caaggtaact	960
cgccagcctc	taagcccttt	catgtaa				987

<210> 13966

<211> 213

<212> DNA

<213> A.fumigatus

<400> 13966

gacctctcac	aggttggccg	tgaccttcga	gaaacgatta	tcacgataa	ttctccaacc	60
tcatacattt	tccacctca	acacgcgata	cagatcagca	gctggttctc	tgacgcccac	120
gataacgagc	ttctcgactt	gattcctgtc	ctcgaagacc	ttgccggcgc	acaagtaaaa	180
gacgtcagtc	tggtcctcga	tgttacgatg	taa			213

<210> 13967

<211> 249

<212> DNA

<213> A.fumigatus

<400> 13967

gcagattccc	gaaatcagcc	aacctacagc	cgccgcgcag	tcagtggtga	cctcttcatt	60
ttgcgggcct	ctgtcgcttc	ttcccctaac	acgacctgg	tttggtgttg	ccacgtgact	120

tccccggctt cattcatgag gttgaatttc atccatcacc catcgacctc catcctatca	180
taccatccca cattgaacct ggagcgcgtt tctctcttcc ttcatatcgc cggttgcgtg	240
gttttctga	249

<210> 13968

<211> 279

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (240)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13968

gccctttcat gtaaagagct acatgtctct gacatacccc cccaggttct cgagcgtgcc	60
gatttcacaa ttcccgtaga gatcgaaggg cagtaccaca acatctacgt gatcaaacga	120
cctggggtcg atcaattcat gaagcgtgtt ggagaattat acgaagtggg tgtcttcact	180
gcctctgttt ctaaggtgag ctgcgccatc ccaatagcat tatatggact atctctgatn	240
tggacgaaag tacggcgatc ctctactcga tcaacttga	279

<210> 13969

<211> 1167

<212> DNA

<213> A.fumigatus

<400> 13969

gccagcatca tcttcacagg atcacaccca aggtgttcat cgtctctatg gtatgtcgat	60
cctggctgca aggatgacag cgactcaccg ccacagttca aaccggaagc cgctgtctgg	120
tggaaacattc ctgaatttga tctcctcgcg cacaacgtca ccgtgcctgg tgcttcgcct	180
gtgtatcccc acgtctactg cactgccgac tacagcatct gccagctcat caccggcgaa	240
ggagagatca acgcagccgt caccgtctcc tccatcgcc tctcctccct ctccgacctc	300
acgcacacct acttcctgat cgcaggcatc gccggcatca accccaaggt cgccaccatc	360
ggcagcgtca ccttcgcccg ctatgccgtg caagtgcctc tgcagtacga gatcgacatc	420
cgcgacctcg gaccgaacta cacatcccc tacatcccgc agggagccta cgcacccgac	480
caatacccgg ggagcatcta cggcacccgag gtcttcgaag tcaacgccga gctgcgctcg	540
ctagcggcct ccttcgcccg cgcggcgag gtggccgact ccgacaccgc caaggcctac	600
cgcgcacaagt acgtcaccaa caatggcacc tacgcagcgg gcacgcagac cccttcctgc	660
gtggagtgcg acgtctcgac cagcgacgtc tacttcagcg ggacgatcct tgacgacgtc	720
ttcgacaata ccatccgtgt tctgacgaac gggacgggcg tgtactgcag caccgcgcag	780
gaggacaacg cgacgctcga ggcgctgctg cgcgcggcgt cgcacaaccg cgtggacttc	840
tcccggatta tcatcatgcg cacggcgtct gactttgatc ggccgtatcc gggtcagtcg	900
gcgattgaga atctgctgta tgcggaccag ggcgcgtttg ggccgtcgat acagaatatc	960
taccttgccg ggatcaaggt tgtgcagggc atcatggacg gttggaacaa gacgtttacg	1020
gccgggggtca agcctagtag ttatattggc gatgagtttg ggacgctggg ggggaggccg	1080
gattttgggc cggggaggac gattgcccgg aaggaggcga atgctctgcg gaagagagga	1140
gtggctaagc gtggaagacg gttgtag	1167

<210> 13970

<211> 573

<212> DNA

<213> A.fumigatus

<400> 13970

tctcctcgcg cacaacgtca ccgtgcctgg tgcttcgcct gtgtatcccc acgtctactg	60
cactgccgac tacagcatct gccagctcat caccggcgaa ggagagatca acgcagccgt	120

caccgtctcc	tcgatcgccct	tctcctccct	cttcgacctc	acgcacacct	acttcctgat	180
cgcaggcatc	gccggcatca	acccaaggt	cgccaccatc	ggcagcgta	ccttcgccc	240
ctatgccgtg	caagtcgctc	tgagtagcga	gatcgacatc	cgcgacctcg	gaccgaacta	300
cacatcccc	tacatccgc	agggagccta	cgcacccgac	caatacccg	ggagcatcta	360
cggcaccgag	gtcttcgaag	tcaacgccga	gctgcgctcg	ctagcgccct	ccttcgccc	420
cgcggcgag	ctggccgact	ccgacaccgc	caaggcctac	cgcgccaagt	acgtcaccaa	480
caatggcacc	tacgcagcgg	gcacgcagac	cccttcctgc	gtggagtgcg	acgtctcgac	540
cagcgacgtc	tacttcagcg	ggacgatcct	tga			573

<210> 13971

<211> 423

<212> DNA

<213> A.fumigatus

<400> 13971

gctattccgt	cattcaaata	accgggaacc	gctgcgctga	ccgcccctgg	tacaaggacc	60
tgctctagtc	tcctcggtc	ttatcccga	cgccagcaag	cttcacattc	gcggcgtgaa	120
gaacggccgg	gtcatgcagg	actgccctct	gacgtatgga	aacatcaatc	tacgaatcca	180
cttgcttggt	ctcacgctga	cccgctgctg	aatagtgtat	tgatcttcag	cgtccctcaa	240
ctcgctcagct	tcctgtccca	gggaacaact	ttgcccggcg	gtaccattat	cctgaccggt	300
actcctcccg	gtgtcggagc	ggccaagaac	ccaaggagt	tcttgacggc	gggtgatgag	360
ttcgctgtcg	aactactccc	tcatgtcggg	acactgatca	cgaagatcga	acaccagcaa	420
tga						423

<210> 13972

<211> 360

<212> DNA

<213> A.fumigatus

<400> 13972

tatgtctcgc	acgctgcaga	gatgaagctg	actattccca	atgtaccgac	actctttctg	60
aagccgtcca	ccgcgcttgc	ggacccatgg	ccggcaccga	ctattctccc	caagatcaca	120
caggtcgaca	acacgggcca	ttacgaatct	gaaatgggtca	ttgtcattgg	ccgtgatgcg	180
aaggatgtca	gcgaggcaga	ggtcctggac	tacgttcttg	gttacaccgc	cgccaatgat	240
gtttccagcc	ggacatcaca	gatgaaccaa	agccagtggg	ctttctccaa	gggcttcgat	300
acctcatgcc	ccattggtaa	gctattccgt	cattcaaata	accgggaacc	gctgcgctga	360

<210> 13973

<211> 183

<212> DNA

<213> A.fumigatus

<400> 13973

ccgcccctgg	tacaaggacc	tgctctagtc	tcctcggtc	ttatcccga	cgccagcaag	60
cttcacattc	gcggcgtgaa	gaacggccgg	gtcatgcagg	actgccctct	gacgtatgga	120
aacatcaatc	tacgaatcca	cttgcttggt	ctcacgctga	cccgctgctg	aatagtgtat	180
tga						183

<210> 13974

<211> 690

<212> DNA

<213> A.fumigatus

<400> 13974

ccttcataac	agatcaatgg	cggtcagttc	attctgtacc	tcttcttcgg	gccagaaacc	60
cgtacatcg	gcggcgacga	aaacccgaaa	gagcccgct	ggaaacgaga	gtacctttct	120

ttgcgacgaa	tcgatctaac	tccttttatg	tggtatgagt	ttgtcaagcc	tttgacgatg	180
gtcatgcaac	catgcattgc	cataccgcga	gcggcctatg	ccatggtctt	ttgtctaagc	240
aatgtcttgg	ccacagttga	ggtaccaacg	cttttggaac	gcaggtgggg	gtcacaacca	300
gaacagctgg	gactacagtt	ccttgggtccc	attattggat	cagtactggg	agagcaactt	360
ggtggcagga	tgtccgatct	atggatgaga	cagcgagagc	gcaagactcg	taagaggcct	420
gagccggaat	accgcctgtg	gtcagctat	attgggtact	tcctatccat	tgtcggcctc	480
attgtcttcc	ttgtatgtac	ccaattgtcc	gggaaccgct	gggaggttgc	tcctatcatc	540
ggcatcgcca	ttggcgccgc	tggcaaccag	gtcgtgacca	cagtgtcat	tacgttcgct	600
gtcgactgtt	atcccgaaga	agccggaagc	gttggcggtt	tcatacagtt	tgttcggcag	660
at ttggggat	ttctcggggc	gttctggtaa				690

<210> 13975

<211> 693

<212> DNA

<213> A.fumigatus

<400> 13975

agccgccc	aa tgaagg	tcca gttact	gatg aggcatt	tcca acagcat	tgc ggaggact	ttt 60
ggcgtctc	tata tcaacaa	agc gagttac	cctt acctctc	cttc agatcgc	gat cctgggt	gga 120
gcaccatt	gt tctggaa	acc cttgtct	caa cgctacg	gac gaccccc	at ctttttg	ctg 180
tcattaat	gt gcagctg	tgt ctgtaac	ata ggatgtg	cca aaagcac	caa ttatgca	tca 240
gtcgctgc	ct gtcgagc	ctt acaagc	gtt ttcattt	ccc cggcttc	tgg taagtct	tgt 300
gtagacgc	ag gtgagga	agg ttctcgg	ctg actactg	tga cagccat	cgg aagtgc	tatt 360
gtgatgg	aaa caacttt	caa gaaggat	cgc gccaaat	ata tgggaat	ctg gactcta	aatg 420
gtcacagt	tg gcatttc	cttg cggttc	cc atcttcg	gct tcgtggc	gca ccgtgct	ggt 480
tacgtgtg	ga tttactg	gggt gctggc	aatg gttagtt	gga cgcatcg	acc acacagc	tca 540
ccagcggc	tta ttgacct	tca tcacaga	tca atggcg	gtt gttcatt	ctg tacctct	tct 600
tcggggcc	caga aacccgc	tac atcggcg	ggc acgaaa	accc gaaagag	ccc gcctgg	aaa 660
gagagtac	ct ttctttg	cga cgaatcg	atc taa			693

<210> 13976

<211> 1080

<212> DNA

<213> A.fumigatus

<400> 13976

ccctggggtg	cgttgtttag	atggaccgat	gactccacat	ggagaatcct	tacgcatctt	60
gattgtgctg	acgatgatgg	tctgcaccac	aggcgattct	ttggctccaa	tgcagagggg	120
ccgaagaccg	cacaaaaaaa	gcaaacgact	ttgtcattct	ccagcaagaa	agataagaag	180
agcgatgttg	tcgacgaaca	agcggaaagct	cgggaatctt	caggcatccc	tgaagcgaag	240
tcggagccgg	caaacagcga	agacgtgaaa	atggaggatt	tgtcggagac	agaggtggct	300
catatgaacg	gttctccagg	ctccaagtct	cttaaacggg	aaaagagcag	cgacgaggaa	360
agtgactcag	atgttcaacc	attacagaaa	agacgccgga	agagctcacg	aggggccgaa	420
gcggtcctcc	ccatacgaag	agagtcaccg	tcaccaatga	tctctgaaat	ttccaaggcc	480
gaggtcaagg	aaagctcccc	acctgccatc	ttgaagaagg	catctggcga	ggaaacacca	540
gagaaagaaa	cggagcattc	ggaagaagaa	gaggtcgcga	ccgctagcga	agaggaagat	600
gaagacgaga	agccagaagt	gatgaagaag	acgatggaaa	aggtgcaggc	cacattgaaa	660
gcgacgggca	cggaaaccata	tcctgactgg	aaacctggtg	aaccggttcc	ctacgcagct	720
ctctgcaaga	ccttttctct	tattgaaatg	acaacgaagc	gactgatcat	tctggcccac	780
tgtctctctc	tcctccgcca	agtctctcgt	ttgacgccac	aagatcttct	gccaacgggt	840
caactgatga	tcaacaaatt	agccgctgac	tatgccggga	tagagttggg	tatcggcgaa	900
tcgtttcatc	tgaaggcaat	cggcgaaagt	gcttggctgt	gatcaaagca		960
gatcaacatg	agattggcga	tctgggcctg	gtcgtgcca	agagtcgata	aaaccaaccc	1020
accatgttca	agcccaagcc	cttgaccgtc	agaggggtgc	agtcttcacc	acggggctga	1080

<210> 13977

<211> 336
 <212> DNA
 <213> A.fumigatus

<400> 13977
 ggaaccggtt caccaggttt ccagtcagga tatggttcgg tgcccgtcgc tttcaatgtg 60
 gcoctgcacct ttcccatcgt cttcttcacg acttctgggt tctcgtcttc atcttctctt 120
 tcgctagcgg tcgcgacctc ttcttcttcc gaatgctcgg tttctttctc tgggtgtttcc 180
 tgcgcagatg cttcttctca gatggcaggt ggggagcttt ccttgacctc ggccttgga 240
 atttcagaga tcattggtga cggtagctct cttcgtatgg tgggagcgcg ttcggccctt 300
 cgtgagctct tccggcgtct tttctgtaat gggtga 336

<210> 13978
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 13978
 cgcgagacaa ggacagatca cgtgctctat cattacttct cagaaatgca accgaagaa 60
 gcttacattg caataagaga ctttcggagt ttcaatgggt aaattacgac tacggatggc 120
 acagttatcg catcaagtaa tattactcga gggctcagac gttttgctat gtgtgtcttt 180
 taa 183

<210> 13979
 <211> 726
 <212> DNA
 <213> A.fumigatus

<400> 13979
 tgctcaactg cggacactca gtgtcgggct tcgtggcaaa atctgcacag ccaaagcaaa 60
 atgaagtcc atctcttggt tgtcgccgtg cttctgcagg cagtgttgt acggacggcg 120
 gcattgcac cctcgtctcg tcgcacttgc cagacctcgt tgaggaattg tcctgagggg 180
 actgtcatcg ttccaagtc tcaccccaaa gcgcacttct ccaccgtcca ggctgctatc 240
 gaatctctgc cgaatgacaa cagcaagcag accattttga tactggcagg caactacacg 300
 gaacagctga atgttaccgg ctccggccct ataaccctgc ttggtcagac ggacagcgct 360
 accgatgcct cgaagaacaa ggtcaccatc acatgggccc aagcgaacca cgacaacact 420
 ggacagagcg tagcaatgt cttttccagc gtgctggctg ttgcacctac actcgaggcc 480
 agctacaccg tgctaggccc aacgggggat cctgtgccgg aggatactcc gttcggtaac 540
 accgatttca ggggtctaaa catcgatttt cgcaacacat gggctgatta ctccgacgga 600
 cggcgcatg ctctcagctt cagtcgcgcc aacggcggct tctactactg cggattctac 660
 tcttaccagg atactgtacg tctctttgct catgcttcta gtcggttgca gggatggaca 720
 aactga 726

<210> 13980
 <211> 867
 <212> DNA
 <213> A.fumigatus

<400> 13980
 acaatgtctt ttccagcgtg ctggctcgtt cacctacact cgaggccagc tacaccggct 60
 caggcccaac ggggtatcct gtgcgggagg ataactccgt cggtaacacc gatttcaggg 120
 tctacaacat cgattttcgc aacacatggg ctgattactc cgacggaccg gcgcatgctc 180
 tcagcttcag tcgcgccaac ggccggttct actactgcgg attctactct taccaggata 240
 ctgtacgtct ctttgctcat gcttctagtc gggtgcaggg atggacaaac tgaccatgca 300
 caggtgtacg ttggcaagct aggaaacgcc taattctaca agaacatcat cgccggccag 360
 accgacttcc tgtacggctt cgggaccgcc tggatccaat cgtcggacat tctcctgcgc 420

aactgcggcg	gcggtatcac	cgcggtgaag	ggcaccaaca	ccacctttga	gaaccagtac	480
ggcgtgtaca	tagtggattc	gactgtgaga	gccgcaaacg	cctttattgc	cccggtgatt	540
gctggcaaat	gtgctctggg	ccggccatgg	aacagtctac	accgggccat	cttcgccaat	600
acctacgagg	atggcagtat	cgagcccagc	ggctacattg	attgggtcgt	ctccggcgta	660
agccgattca	ccaaccagac	agtcattggc	gaatacaagg	cgtttggacc	cggtttcaac	720
gcgaccggcc	gtgcagaagg	gggagtcacc	atcgttatgg	acaagaagca	gtacaagcgc	780
tacgactcac	cagcgaaggt	attccagtcg	ccggacggca	agacgggcaa	catcggctgg	840
atcgatttcc	acgcggatcg	cgctctag				867

<210> 13981

<211> 192

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (21)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13981

gctatacttc	gcgatagagt	ncccgtcgga	ccttcagcc	ccgtggtgaa	gaccgccatg	60
cttgtttccc	cggtcgatat	tcgtcagtg	ctgcgtttca	agcactgcc	gccgcgggga	120
tactctcccg	gcttgttcta	ccccggtttt	tgctccccgc	aatttctcca	aatttctcca	180
gaagcacaat	aa					192

<210> 13982

<211> 234

<212> DNA

<213> A.fumigatus

<400> 13982

gattcccatg	cccactcctt	gtcctctcca	tcgacttctt	cgtctccctt	tccgcaaact	60
cccgtgcac	ctcgcaccaac	tggtgcgtcc	gcgccaggta	cgccgccccg	gtgtcagccc	120
acacacggta	ctcctgcacc	ttcaaccgcg	cgctctcctt	cccctgatcc	tctgccagcc	180
caatccgata	acagaacgtc	tcattccacc	cttcccccg	ctccttcacc	gtga	234

<210> 13983

<211> 990

<212> DNA

<213> A.fumigatus

<400> 13983

gacttgagtc	aggtacagtt	ctcgcgacac	gtcctctccc	tattttcatc	caacctacga	60
tcgaaatcgg	tcaaaatggc	gatggatg	aaggaaatcg	agctcaaggc	gaaggccctg	120
acgaaagccg	ccaccagaa	cgagcccgc	gccaacatcg	tatcactgct	caaggagctg	180
caatcgggag	tgaaggcaac	ggaggatctg	ctgcggtcga	cgcgcgtcgg	aatcatcgct	240
aacaagttca	agcaacacaa	gtcaccggaa	gtcgcgcgtc	tatccagcga	gattgtctcg	300
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tcaagcggct	ctccgcgccc	agcacagaac	ggcaccgcat	cgcttgccgg	gacaacccca	420
tcagacaagt	tgtccaaact	ctccgttccc	ccagacaagc	ggacgtggaa	ggcggacggg	480
gtggatatca	atcagacttc	gaacaagatc	cgggatagtt	gcattgggct	gatgtacgat	540
gagttgtg	tcaactcgac	cgagtcgcct	cgagcgggtc	tgtccaaggc	cagcgcgggtg	600
gaggcggcgg	cgttcaacgc	tttggggccc	gagaccaagg	aacagtaccg	caccaagatt	660
cgcagcttgt	atcagaacct	caagaacaag	tccaacccta	cactacgggt	gcgcgtgttg	720
tcgaatgaag	tgacgcctga	gcagtttgtg	aagatgtcgc	acgatgagct	caaatcggat	780
gaacagcgcg	aacaggagcg	cagaatccag	aaggagaaca	tggataaggc	catggtcgcg	840

caggccgagc	gcagtatcag	taccagtctg	cagtgcggca	aatgcggaca	acgcaaggtc	900
acctacaccg	aggcgcaaac	acgcagcgca	gatgaaccga	tgacgctgtt	ctgtacgtgt	960
atgaactgtg	gtaaactcgtg	gaggcagtga				990

<210> 13984

<211> 621

<212> DNA

<213> A.fumigatus

<400> 13984

aaaaaattaa	gcgttataat	gaccaccgca	aagacatata	cccgcagcgc	actagttcaa	60
ccactctag	ccctctgcga	cgcctttgct	tccgcagccc	ctgtccccgt	cctcctcage	120
catttcacccg	eggacccccct	ccccatggct	cacgagcacg	ggctgcccgt	cctagcccca	180
ttcctggggcc	gcacattcac	cggcacagac	gggtatgcc	ggtacttcga	gctcatcgcg	240
gacctgctca	gcttcgagaa	gatgagcttc	gacggggagg	acgagtggat	cgttgataca	300
gtttccatgg	ctgtttcgt	gcggggggcg	gcgcggttca	cgtggaagga	gacgggggaa	360
gggtggaatg	agacgttctg	ttatcggatt	gggctggcag	aggatcaggg	gaagggaggg	420
ggcgggttga	aggtgcagga	gtaccgtgtg	tgggctgaca	ccggggcgcc	gtacctggcg	480
cggacgcacc	agttgggcga	ggtgcagcgg	gagtttgccg	aaagggagac	gaagaagtcg	540
atggagagga	caaggagtgg	gcatgggaat	cttattgggg	aggacagag	ggtatattct	600
gggggaagtg	ggacggcata	g				621

<210> 13985

<211> 324

<212> DNA

<213> A.fumigatus

<400> 13985

caccggggcg	gcgtacctgg	cgcgagcgca	ccagttgggc	gaggtgcagc	gggagtttgc	60
ggaaagggag	acgaagaagt	cgatggagag	gacaaggagt	gggcatggga	atcttattgg	120
ggagggacag	aggggtatatt	ctgggggaag	tgggacggca	tagatgagta	cattgcttca	180
tgtgatatag	attcaagtat	atggctagat	atctctaagt	tacggcaggc	cgtgagtgtg	240
aaactagacg	cgatccgcgt	ggaaatcgat	ccagccgatg	ttgcccgtct	tgccgtccgg	300
cgactggaat	accttcgctg	gtga				324

<210> 13986

<211> 1413

<212> DNA

<213> A.fumigatus

<400> 13986

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ctcgaactca	taaaagcaag	tgaattacca	agcgtcctcg	aggaacattg	gagacgcgtt	120
caggctgggt	acatattatc	ccaatcactg	gccgtgtccc	cttgcgacag	cagagcggtg	180
tctgggtcga	gttctccaag	taactcgccg	cgtgtcaggc	aaatagtacc	gactgattca	240
ctgactcgtc	aaattattga	aattttcaag	ggcaagtcca	cggctctgcc	caagtaccat	300
tgccaaagca	aagtaaagat	cggaaatcgc	acactggccg	aatggcttga	ctccacctta	360
tggatgcacg	acgatgagca	aaagcatata	gagcttctgg	gggcacttgc	caagtcgaaa	420
agatgggttc	agcctggcat	gggcagcgcg	agcaagctcg	tacaggaatt	atcttggggc	480
ggccgaatgt	tcggggcctt	cacgaacgat	gaattggatg	cgtcatttgc	atggattgac	540
ctccttgacc	cggaaaacag	cagctgggta	tattacaggt	tcactctccg	ggcgccgggt	600
gcttctagag	atgttgtagg	cggccttcaa	gattccgacat	gccatcatct	aaccctgcc	660
gctcgggaat	cggatgagac	aattgatgga	gctttcatgg	agaagcttcc	agactgtcgc	720
ttggacacgg	agtgcccgaa	tcagaaaaaca	cctttgaata	caccttccaa	aaccctaactg	780
ccgatatcgc	tggcactctg	gtttgccccac	atcggctctcc	tggaaaatat	aatcaatgta	840
cccgtctgaa	ctgccacctc	gctctactcc	ggtatcctac	ttgctctccg	ggcccaagct	900

ggctttgcag	cagaagcaca	tgtccccgct	ggcatggccg	aggtaaggcg	tcaaccagcc	960
tgtagtctgg	tggacatcgg	ccttgagata	atatccagag	cccagtggac	aagggatggg	1020
aacccttcat	gtctaaaaga	tgtgtttgtc	ctagctagga	aacaaggaca	aagtgttgaa	1080
agcatcaagc	tatctgataa	tatgcttcgt	tgggcgaatc	gccccaatga	aaactttggg	1140
attcttggtg	gtctggcact	ggcattcctc	ggattgaaag	aggctattgc	tgggtcacat	1200
gagttgctca	gcgaggaaaag	tcaagctgca	ttgaaggcga	tcatcaaaaag	ggagcaaaaag	1260
gggttattca	gctgcatgca	agaaatcaaa	tctaccgggtg	atgggcgcta	caaagacata	1320
gaaaagggtc	attgccttgg	aagatcggct	ctcgagaaat	tgttgggaaa	gacagccggg	1380
gtcgaaaata	ctttgcta	gcgcaccgct	taa			1413

<210> 13987

<211> 540

<212> DNA

<213> A.fumigatus

<400> 13987

acgaacatgg	ctctagatgg	tcgttcgctt	tctccttcta	tctcggacct	agagtgtgcg	60
tgcctttact	ttgcttacgg	aagcaacatg	aaccttacgc	aaatggcgca	aagatgtccc	120
gaaagcgtca	tctttgcgaa	aggagcactt	tgcaactata	aatggcagac	caatagccgt	180
ggtggcgga	atgttatata	gggaaacacc	gaggacgtcg	tgacgggtat	tgtcttcac	240
atttctcat	ctgaggttga	agctttaagg	cgttacgaag	gggtcgacaa	gcaattcttc	300
gttgaaaaaa	agcttggtat	tgagctagag	gccatctcag	atccgaggtt	tagccgtcag	360
aagactgctg	atgtggtaaa	agtgtgtggc	acaaaggatt	ctgactatgg	gaaacacacc	420
atttttagcca	caaagaggcc	gaccagctca	gatgagattt	gccaggttga	aactagactt	480
tcaggtaact	tcactttaaa	gagatgggat	cttgtagaca	tactgacaga	tcattgcttaa	540

<210> 13988

<211> 1623

<212> DNA

<213> A.fumigatus

<400> 13988

tacaggctca	cgcggactat	catggctcct	gccgctggtc	ctcgcactgg	caagcatgca	60
aagccacagc	gatcgaaaac	attgaaacgc	aagcgcgggc	aggaagaact	gtcgtctctc	120
atccagcggg	tggagatctt	tgacctcaaa	gggactctta	aatctttctc	tgatctgcct	180
ctatccgaac	caaccgcttc	aggccttgcg	tcttcgcact	acaaaacggt	gactgatatc	240
caatctcgtg	cgataagcca	cgcgctcaag	ggtcgagata	tcttgggagc	cgcaaagacg	300
gttagcggca	agacgctggc	ttttctcgtt	cctgtgctcg	aaaacctcta	ccgcaagcag	360
tgggctgagc	atgatgggtt	gggcgccttg	attttatctc	caactcgga	gctcgccatt	420
cagattttcg	aagttctccg	gaaaatcggt	cgctatcata	cattctcggc	tgggtctggt	480
attggtggga	agagtttgaa	ggaggagcag	gagagactgg	gacggatgaa	tattctggtg	540
tgtacgcctg	gtcgtatgtt	gcaacatctg	gatcagacag	cactgttcga	cacatataat	600
ctccagatgc	tggctctcga	cgaagcagac	cgtattcttg	atttgggctt	ccagcagacg	660
gtggacgcca	ttatcggcc	ccttcctaaa	gagcgtcaaa	cggttgctatt	cagtgcact	720
cagacgaaga	aggtttcgga	ccttgcccg	ttgagtcttc	aggatcccga	gtacgtggct	780
gtccacgaga	cggcatcttc	agcaacgcca	tctaaacttc	agcaacatta	cgtgattacg	840
ccgcttccgc	agaagcttga	tatcctgtgg	agtttcatca	gaagcaatct	aaagtccaag	900
accatggtat	ttttgtcttc	ggggaaacaa	gtacgatatt	tatacgaatc	cttccgacat	960
ttacagcctg	gtattccgtt	gatgcatctt	cacggccggc	agaagcaggg	tggacgattg	1020
gacattgtga	ccagattctc	acaatcgaag	cattgctgtc	tcttctctac	cgatgttgct	1080
gctcgtggtc	tggacttccc	agcggtcgat	tgggtcatcc	agcttgactg	tccggaagat	1140
gcggacactt	atatccacag	agtggggcgt	acggcgcggt	acgagcggga	aggttgtgca	1200
gttttggtct	tggatcccg	tgaggaggaa	ggcatgctga	agcgcctgga	gcagaagaaa	1260
gtacctcatg	agaagatcaa	catcaaggca	aacaaacaac	agagtatcaa	ggatcagcta	1320
cagaacatgt	gcttcaagga	tcctgagctt	aagtatctcg	ggcagaaggc	gttcatttct	1380
tatgtcaaat	ctgtttatat	tcaaaaagac	aaggagattt	tcaaactcaa	ggaactgaag	1440

ctggatgagt	tcgcggttag	cttaggttta	cctggtgcac	cccggatcaa	attcatcaag	1500
ggagacgata	cgaagcaacg	gaagaacgca	cctcgagccg	cagcgcacct	gttgagtgcac	1560
gacgatgaca	cggacgagga	ggacggcgag	aagaagagca	agaagaagga	ggaaccacag	1620
taa						1623

<210> 13989

<211> 594

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (8)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13989

cggaccan	atgaccgat	gtttgagcgg	cggaaaccaag	acgtgctggc	agagcattac	60
tcgaaactca	tcaatgacga	tggcacaatg	gttgcaccca	atgccggcgc	cggggctgat	120
gcggacgaag	atgatgactt	cctgtccgct	aaacgtcgct	tcgacgcccgc	tgataaggac	180
ctgggatcgt	caggtgacga	ggacgatgag	agtgagaagg	gtaacaagaa	gaacgtcaag	240
gtggtacaca	ttgacggcag	tacacctctg	gtcatcgatt	ccaagcgctc	cgagaagctc	300
ctcaaatcga	agaagaagtt	actcaaattc	aagggcaagg	gaaccaaact	ggtctacgac	360
gacgaaggaa	acccgcacga	gttgtacgag	ttggaagacg	aagagcaatt	caaggcccgc	420
ggcgacgcca	aggatcaaca	ggccaagtct	ttggcggaag	aggcggaacg	cacacgtctg	480
gcagacatgg	aggacaagga	gatttgccaa	cagaagcggc	gcgagaagaa	ggagaaacgc	540
aaggctcgcg	agcgtcttca	cacacggggc	ctagaaggaa	ccgcgattgg	cgta	594

<210> 13990

<211> 840

<212> DNA

<213> A.fumigatus

<400> 13990

tcattcaaca	aacacagagt	aactgaagct	tgtggcattc	gtaaggctga	atttacaatg	60
tcgtccgacg	agcaagatgc	tttggacgca	ctggagaagg	aggcgtcaga	tttcatcaag	120
gtatgtgaga	gctgtcccag	ccacaattgg	cgtcagactg	acatttgcta	cgatgtagga	180
tcgcggaaatc	gatcgattc	gaaaggcttt	tcaattagat	gcgtgagtat	tattcttttt	240
ctgttgtttc	ttgacacctt	ctatgcgttc	tacggctctg	caactgacaa	tttcgcaata	300
agatatgcgg	tccttgatct	tcagcccggg	gtccccgaat	ccgacatcaa	attacaatat	360
cgcaaaaaat	ccctttctcat	tcaccctgac	aaaacaaaaa	accctgctgc	cccagatgcc	420
tttgaccggc	tcaagaaggc	tcagacgact	ttattggatg	agaaggcccgc	cgcgatctctg	480
gatgaatgta	tcgctgatgc	gcgacggctc	ttgatccggg	aacataagta	cacagtagac	540
tcccccgaa	tacagaccga	agaattcaaa	aaagaatggc	gtcagaagac	cgttcagggtg	600
ttgctagaag	aggaagcgcg	cagacgaaga	cagcttaagg	ccaagctgca	ggaggaagga	660
cgagagaagc	gcaaagagga	agaagagttg	gaggcaagaa	aacggaagcg	agagctggag	720
caggcttggg	aaaatacgcg	agatgagcgg	attggaagct	ggcgagaatt	ccaaaaaggg	780
cagaagaagg	ggaccgatgg	tgacaagaag	aagaagaaaa	agatgaaagt	tctaggctaa	840

<210> 13991

<211> 525

<212> DNA

<213> A.fumigatus

<400> 13991

ctacgtcttc	caccaggaat	accgcacccg	atggcaagca	cccatcctct	ccatccctac	60
tccccctctaa	tgaaagccag	gttcgacaac	gacatgtacg	cccacctcaa	caacaccgtc	120

tacgccatgc	tcttcgactc	gatcgtgaat	agctggctta	tccgccgagt	cgggatggat	180
ccgttcaaca	ggaacaagtc	aacaacaagc	accggcgcca	gtgacgatga	cggcgctgtc	240
tccgagcagg	tccggatcat	ggtcaactcg	tactgcgact	acttcgcctc	agtctcatat	300
cccgatgtac	tggatctggg	gctgcggtt	gcgaggtgg	ggtcgtcgag	cgtgacgtat	360
gaggttgggg	tgttcaggag	gggggaggag	gatgtgaagg	ttgttggggg	gtatacgcat	420
gtgttttgtg	cgcgggagac	gatgaggccg	gcgaaggagg	ggatggagga	gaggattcga	480
cgggggttgg	agaagttggt	tgttagggag	ggggcggaagc	tgtga		525

<210> 13992

<211> 723

<212> DNA

<213> A.fumigatus

<400> 13992

cagcatcgcc	gtctatcccc	gatcatcttc	ttccagccac	tacgaagtct	tttcgaagta	60
cgaccgtcac	gatggatata	aatttatgac	ctcgtgtgtt	tcctatctca	tttctcgaat	120
cataaaagtt	ctgcaactga	gcgtttcctt	tcaaatttcc	actcgtcttc	tcggttttcc	180
ttaatccggc	ctcttctctt	tttcgtcatt	cagatatcta	acactatggc	gccaaatctt	240
ttcatctgcc	ttcgcgcagt	cttctgccc	acttactggg	tccaacgcgg	cgagcgcatt	300
caaggatcca	tcttccaaga	ggaacattgg	gaaagccctg	ttcctggcat	ctacaagtac	360
atccccgggc	ggggatggca	tctcgttcag	agggacgaca	gcgaatacga	ggagaaaagtc	420
cccgctccctc	tgggtctactg	ccgcatactc	catcgataca	tcttcgaaca	cgaaatggag	480
gacagatgtc	gctggcagtc	ggtgactctg	cacgaaggcg	cgaagcccga	acgactgctc	540
ttcttctctc	tccgatgatgg	ctacacctgg	gtcgcggggg	gggacgcca	aggaacgttc	600
attcctggcc	cgtacccaaa	gtggcactac	gaccatgaca	ccaagacgat	gcagcgcgtc	660
gtgtctccag	aaagttccaa	cgtctctcgg	tgcagcagca	tcgtcccgc	caagatgggt	720
tag						723

<210> 13993

<211> 867

<212> DNA

<213> A.fumigatus

<400> 13993

tatccttgtg	atcgacaagc	ccgcggggcg	ccccgtccac	gccgccggcc	ggtaccacta	60
caactcgatc	gtcgagatcc	tgcgctcgca	gcgcggggcag	gagttcgtcc	cccggccctg	120
caatcgctg	gaccgcctga	cctccggggg	gatgttcata	gcgaagcacc	ccaaggccgc	180
ggacgccatc	accatcaagc	tgaagcagcg	caccgtgcaa	aaggagtaca	tcgcgcgcgt	240
caagggccgc	ttcccagacg	gggtgggtcgt	ctgcgaccag	cccatcatgt	ccgtcagccc	300
caagctcggg	ctcaaccgcg	tgcgcgccac	cggcaaggac	gcaaagacca	agttccgccc	360
gctagcgtac	tatccacctg	cctcgcccgc	cccggaaacgc	gacgaggacg	aagtgaccgc	420
cagcggcgac	cggcccgcga	cgccgcgcgc	gctcctcgcc	aacgaatcgg	aaggctacag	480
catcgtgcac	tgcctcccgc	tgcgggggcg	cacgcaccag	atccgcgtgc	acctgcagtt	540
cctggggccac	ccgatcacca	acgaccgcgt	ctactccaac	cggcggtgtc	tcggcccggg	600
cctcggccgc	aacgaaacca	ccgcccagcg	cgaccaagag	atcatggacc	ggctgtccga	660
aatgggcaag	accgaagtgt	cagatacgac	cacgtaccgc	acgcacctga	cgaccgtgcc	720
gcccgtaccg	ccgggcacgc	acccgtccgt	cgtcgaggag	atcatgtcgc	gcgagcacga	780
ggccgcgcgt	cagactacc	acaagcgcaa	gggcgagcgc	ctctccggcg	aggtctgcga	840
cgtctgcggc	acggagctct	actctga				867

<210> 13994

<211> 252

<212> DNA

<213> A.fumigatus

<400> 13994

atgaatcaca	gcttcgcccc	ctccctaaca	accaacttct	ccaacccccg	tcgaatcctc	60
tcttccatcc	ctcccttcgc	cggcctcatc	gtctcccgcg	cacaaaacac	atgcgtatac	120
cccccaacaa	ctttcacatc	ctcctcccc	ctcctgaaca	ccccaacctc	atacgtcacg	180
ctcgacgacc	ccagcctcgc	aaccgcgagc	cccagatcca	gtacatcggg	atatgagact	240
gaggcgaagt	ag					252

<210> 13995

<211> 1275

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1212)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13995

acgcggtcgc	taatgcaa	gcaggtaaca	gctcttgccg	acggcaaggt	caccgtcaac	60
ggcaaaaccc	ggccccccga	taccgtgatc	aagaacggcg	aagtcattctc	gcataccctc	120
caccgccatg	aaccccccg	caccggccat	gagattggaa	tcattcacga	ggacaatgat	180
atccttgtga	tcgacaagcc	cgcgggcg	cccgtccacg	ccgcccggcg	gtaccactac	240
aactcgatcg	tcgagatcct	gcgctcgcag	cgcgggcagg	agttcgtccc	ccggccctgc	300
aatcgcttg	accgcctgac	ctccgggggtg	atgttcatcg	cgaagcacc	caaggccgcg	360
gacgccatca	ccatcaagct	gaagcagcgc	accgtgcaaa	aggagtacat	cgcgcgcg	420
aagggccgct	tcccagacgg	ggtggtcg	tgcgaccagc	ccatcatgtc	cgtcagcccc	480
aagctcgggc	tcaaccgcgt	gcgcgccacc	ggcaaggacg	caaagaccaa	gttccgccc	540
ctagcgtact	atccacctgc	ctcgcccgcc	ccggaacgcg	acgaggacga	agtgaccgcc	600
agcggcgacc	ggcccgcgac	gcgcgcgcgc	ctcctcgcca	acgaatcgga	aggctacagc	660
atcgtgcact	gcctcccgc	gacggggcg	acgcaccaga	tcgcgtgca	cctgcagttc	720
ctgggccacc	cgatcaccaa	cgacccgatc	tactccaacc	ggcgggtctt	cgcccgccg	780
ctcgcccgca	acgaaaccac	cgccgagcgc	gaccaagaga	tcattggaccg	gctgtccgaa	840
atgggcaaga	ccgaagttgc	agatacagac	acgtaccgca	cgcacctgac	gaccgtgccg	900
cccgtaccgc	cgggcacgca	cccgtccg	gtcgaggaga	tcattgtcgcg	cgagcacgag	960
gccgccgtgc	acgactacca	caagcgcaag	ggcgagcgcc	tctccggcga	ggtctgcgac	1020
gtctgcggca	cggagctcta	ctctgacct	ggcgcccatg	agctcggcat	cttctctgcat	1080
gcggttgcat	actctgatct	ggaaggccag	tgggaagtatc	cttacaagat	gccctcgtgg	1140
gctatgcgcg	ccaatgggct	ggatggggccg	cgtgaggccc	cggactgggt	gccctgtccc	1200
cggaagaaga	gngatattgt	ctttggggcca	gacgcccgat	tccccagggg	aatcgttgtt	1260
caagccttcc	tgaac					1275

<210> 13996

<211> 543

<212> DNA

<213> A.fumigatus

<400> 13996

acctgtatat	tatttttcta	ctatcgatac	gtatataatg	agattattca	gttggtggct	60
tatgtactct	cccgatctga	tctccccgca	acactaattt	actttctgat	attttttttc	120
ggtggctatt	ttttgccttc	gccaggacac	agtcgtacac	gaacgcacac	aataacggga	180
tcgtcgatat	caccctgggc	tcttctctct	cgtattactg	catatctgct	gcgacgaggc	240
agaataacctg	cgtccagcat	ggctgtcgtt	cctgtcgaca	ccaccctcaa	agtccctcct	300
ccggaccccc	ttgaagaacc	ccccaaagt	gccgtcactc	catgcgatcc	atggccgatc	360
ccatactatt	ttgaaggcgg	gctgcgcagg	gtcaagccct	actactacac	ttacaacacc	420
tactgcaagg	agcgatggcg	gggtcggcag	ctgcaggaaa	tcttcacg	cgagttcaga	480
gatcgggccg	ccgagtacta	cgtgggtcgt	cagcctgtga	atgagattga	acgcggtcgc	540
ttaa						543

<210> 13997
 <211> 384
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (323)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 13997
 cgaccgtgcc gcccggtaccg ccgggcacgc acccggtccgt cgctcgaggag atcatgtcgc 60
 gcgagcacga ggccgcccgtg cagcactacc acaagcgcaa ggccgagcgc ctctccggcg 120
 aggtctgcga cgtctgcggc acggagctct actctgacct tggcgtccat gagctcggca 180
 tcttctctgca tgcggttgca tactctgata tgggaaggcca gtggaagtat ccttacaaga 240
 tgccctcgtg ggctatgccg cccaatgggc tggatgggccc gcgtgaggcc ccggactggg 300
 tgccctgtcc ccggaagaag agngatattg tctttgggccc agacgcccga ttccccaggg 360
 gaatcgttgt tcaagccttc ctga 384

<210> 13998
 <211> 834
 <212> DNA
 <213> *A.fumigatus*

<400> 13998
 tctttctctc taccatcctg caaagcttcc agcactatga ctctccctac aaacaatgct 60
 gaatgggggtg ccgtgatctc cagctacaag gaccagcttc cggagggtcta tcccgtatac 120
 caaaccgccg ttcctcctc cgtgaaccga tacatcgacc ataccagct gtccttagat 180
 gcgacagacg aggatattga caaactctgc gcggaggcag ctaaacacaa cttttctgcg 240
 gtctgcgttc gcttgcgaca tgtccgcaga gccgttacaa atctccaggg tagcccgagg 300
 tgcactgtag cctgcgtcgt ggggttttctt gaaggcacgc acgacaccat ggagaaggag 360
 aaggaggcgc tggacgcgcg agaactggga gcgagtgcgc tagacatggt gattaattgg 420
 ccaaagttag aggaagggca gtacatggat gtctacaccg atgtccctcga agtacggaag 480
 ggggcaccgt cgccagtcga gttaaaagtc attctggaga cctcacaatt gaccaaggat 540
 gagattattg ctggctctgt catatcgagc atggccgggg ccgactttgt caagacaagc 600
 acgggattca agggagcggg ggccaatggt gacgacgtcg ctatgatgcg ggctatcgtt 660
 gagctggtag gaagggggaac caaggtgaaa gccagtggag gaggttcgctc cgccgaagac 720
 tgtatcaaga tgttgaaaggc aggcgcagac cgcattggaa cgagttcagg ggtgaatatc 780
 ataaaccagc tcgcaggaaa ggagacgcaa ccgacgacac ccgcagcgta ctga 834

<210> 13999
 <211> 582
 <212> DNA
 <213> *A.fumigatus*

<400> 13999
 atccctgcct gcacgtacac acggttggca gtgatgcacg cctggcctgc atgccgccat 60
 ttcagcgcca tcagctggtc cagggcctgg tcgagggttcg catcgctgaa cacaatgaag 120
 gggcaattcc caccgagctc gagggtcacc ttcttcagcc cctcggcgca gtgcgcagcg 180
 atcagcttgc cgacgcgcgt ggatcccgta aatgtcacct ttttgacgag cggatgcttg 240
 caaagcgcct cactcagcga aggcgtgttt tccagggtcgg tggtcagcac attcaacacg 300
 cctgctggga aaccgcgcg ttcgctagg tgcgccagca cgagtgtcgt gataggagtc 360
 tccgggctag gcttgacgat catcgtgcag ccggcggcga aggcggcgcc tgctttacgc 420
 aggaccatgg cgatggggaa attccagggg accagagcgg ccggccacacc gatgggctgc 480
 ttgaccgtga agacgcgacg gttgggcgcc gagggcacgc ttaccgtacc gtggatgcgc 540

tctgcctcgc cagcaaacca ccaggtgaag cccgtggcgt ag

582

<210> 14000

<211> 480

<212> DNA

<213> A.fumigatus

<400> 14000

tcacatgcaa	acgcgccatc	cggcaaattg	acgcaatttt	caacaacata	caagaacttg	60
ctagtactgc	ccttcgatag	tcagggttcc	agttttggtg	atcagatact	cgttgacagc	120
cacctctttc	ccactctcct	tgccgtatcc	cgactccttg	atgccgccaa	acggcgactc	180
cgcagccgac	gcattaccgg	tgttcatgcc	aatcatgccc	gcctcaagat	tctccaacat	240
ccgccacata	cgggtcaatat	tcttggtaaa	cgcgtagctg	gccaggccca	tgcttgattt	300
gttgggccatg	cgcacggcct	cctcctccgt	ctcaaaccgg	tacagcgccg	caatgggtgc	360
aaatgtctcc	tcgcgcgaca	ccagcatctc	ctccttcac	cctgtcagga	tggtgggctg	420
gaagaagtac	cctttctgcc	caggaacctg	tccgcgcgcg	aggatgacat	cgcaccta	480

<210> 14001

<211> 474

<212> DNA

<213> A.fumigatus

<400> 14001

ccggcgcgca	tcttcgacct	gtccccgcgc	cttgtccagg	ccccgcggtg	tcgtgagggg	60
gcccatagta	gtgccctcct	gcgcgcgcgtg	gccgacgacc	aacttctccg	tgcgttcctt	120
gagcatctgt	gcgaatttat	cgtagatccc	tgccctgcacg	tacacacggt	tggcagtgat	180
gcacgcctgg	cctgcacgcc	gccatttcag	cgccatcagc	tggtccaggg	cctggtcgag	240
gttcgcatcg	tcgaacacaa	tgaaggggca	attcccaccg	agctcgaggg	tcaccttctt	300
cagcccctcg	gcgcagtgcg	cagcgatcag	cttgccgacg	cgcggtggatc	ccgtaaagt	360
cacctttttg	acgagcggat	gcttgcaaa	cgccctcactc	agcgaaggcg	tggtttccag	420
gtcgggtggtc	agcacattca	acacgcctgc	tgggaaaccc	gcgcgttgcg	ctag	474

<210> 14002

<211> 528

<212> DNA

<213> A.fumigatus

<400> 14002

gtgcgccagc	acgagtgtcg	tgataggagt	ctccgggcta	ggcttgacga	tcacgtgca	60
gccggcggcg	aaggcggcgc	ctgctttacg	caggaccatg	gcgatgggga	aattccaggg	120
gaccagagcg	gcggccacac	cgatgggctg	cttgaccgtg	aagacgcgac	ggttgggccc	180
cgagggcacg	cttaccgtac	cgtggatgcg	ctctgcctcg	ccagcaaacc	accaggtgaa	240
gcccgtggcg	tagtcgatct	ccccgtacga	ttcggcgagg	ggtttccccg	tttcgtgggt	300
gagaatctgg	gcgaggtcgg	accgcgccgc	ccgtatgaga	gcgtcccatt	tcatgagcca	360
ttgggcgcgc	tgccgggggt	tggtcttctt	gtaggtttcg	aatgcttcat	gggcggcctg	420
gacggcggga	ttcacgtctt	ccacgccatt	ggcaggacaa	ctggcccagg	gtgtgtcggt	480
accggggctt	atcctgatgt	taccgtagac	tcaataagag	gagaatag		528

<210> 14003

<211> 1404

<212> DNA

<213> A.fumigatus

<400> 14003

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aatggcgtgg	aagacgtgaa	tcccgcgcgc	caggccgccc	atgaagcatt	cgaaacctac	120

aagaagacca	acccccggca	gcgcgccc	tggtcatga	aatgggacgc	tctcatacgg	180
gcgggcgcggt	ccgacctcgc	ccagattctc	acccacgaaa	cggggaaacc	cctcgccgaa	240
tcgtagcgggg	agatcgacta	cgccacgggc	ttcacctggg	ggtttgctgg	cgaggcagag	300
cgcattccacg	gtacggtaag	cgtgcccctc	gcgcccacc	gtcgcgtctt	cacggtcaag	360
cagcccatcg	gtgtggccgc	cgctctgggc	ccctggaatt	tcccatcgc	catggtcctg	420
cgtaaagcag	gcgcgcctt	cgccgcggc	tgcacgatga	tcgtcaagcc	tagcccggag	480
actcctatca	cgacactcgt	gctggcgcac	ctagcgcaac	gcgcgggttt	cccagcaggc	540
gtgttgaatg	tgttgaccac	cgacctggaa	aacacgcctt	cgctgagtga	ggcgctttgc	600
aagcatccgc	tcgtcaaaaa	ggtgacattt	acgggatcca	cgcgctcgg	caagctgac	660
gctgcgcact	gcgcggagg	gctgaagaag	gtgacctcgc	agctcggtag	gaattgcccc	720
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aacacgggta	atgcgtcggc	tgcggagtcg	ccgtttggcg	gcatacaagg	gtcgggatac	1320
ggcaaggaga	gtgggaaaga	ggtggctgtc	aacgagtatc	tgatcaccaa	aactggaacc	1380
ctgactatcg	aagggcagta	ctag				1404

<210> 14004

<211> 294

<212> DNA

<213> A.fumigatus

<400> 14004

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gtttcccgaa	cggaagcacg	gtccaaggaa	gctaatcgac	cagaaggagc	aaacggacgg	120
acaatcacaa	gagaagaaag	caaaaagcgg	atcgaaagtc	aggagagaaa	gcagaaagaa	180
ggaagagcag	gagaggagag	agaagaggag	gaagagagga	gtcagagcaa	gtcaggagac	240
cacaggagca	gaggcaaaat	tccggatgat	agatatagat	cataccctcc	gtag	294

<210> 14005

<211> 507

<212> DNA

<213> A.fumigatus

<400> 14005

aggggcaccg	gagaaaaaaa	aggagaggag	aaagagaaag	cagatagtca	cagatattcg	60
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aagcacggtc	caaggaagct	aatcgaccag	aaggagcaaa	cggacggaca	atcacaagag	180
aagaaagcaa	aaagcggatc	gaaagtcagg	agagaaagca	gaaagaagga	agagcaggag	240
aggagagaga	agaggaggaa	gagaggagtc	agagcaagtc	aggagaccac	aggagcagag	300
gcaaaattcc	ggatgataga	tatagatcat	accctccgta	gaatggaaca	gcttctaaat	360
aaaaaccttc	tcgaaaaaag	tgccagcaaa	gcggaggcgg	caaaaaaaga	gcagacagag	420
atcaagagac	acagaaagaa	tgagaaccac	agggctgggc	accatgggat	gggcaagatg	480
cggccacatg	gggcgaattg	gccatga				507

<210> 14006

<211> 396

<212> DNA

<213> A.fumigatus

<400> 14006

agccccaaat	tcaatatgcc	cgaaccttcc	cttgaagcgc	aatcattgac	cccggatgcc	60
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caaacgttga	acaacatcgc	ctcgaccctt	caatcagccg	aatcattggt	cggaacaccc	180
tttgaaggcc	agacacctgc	aaatcctaag	tttcgattct	tcttcaaagt	cgagaattac	240
cagcgcacgc	gcgccttcaa	gcctcgcggt	gcgtttcaag	ctttgctgcg	actcctcgca	300
gagtggggtg	aggaggaggt	caagagacgt	ggcgtgatta	cgcacagttc	aggtacacaa	360
atttacccaa	ctctgcttaa	gttgagggtt	tcatga			396

<210> 14007

<211> 849

<212> DNA

<213> A.fumigatus

<400> 14007

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gctgggacac	gctcgcacgg	cgcagaggtc	atattcagcg	gctcgcagag	caccgagcgc	180
gaagccgttg	tcgcggagat	ccaggccaag	acggatgcga	tcctcatccc	gccatatgat	240
cacttcgata	ttatttgcgg	ccagggcacg	accgccttgg	agatggaaga	gcaataccga	300
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ggcgcgacgc	actgtcgtcg	gggattagaa	gcgggtcagc	gtgtggagtc	cgtcaagacg	540
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gtgtgcttgt	tcaatgagga	gtttaggcga	cttggttgaga	aggaagctgg	tccggatgga	780
tgggacatgg	gtattgtatt	ctccgggggc	aaactaccgc	ttgaggcaat	tgggaagtta	840
ttcagctga						849

<210> 14008

<211> 687

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (20), (87)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14008

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cgtaccgtcc	gcacctttt	ccgtgagggc	cgtgggtatc	actcttccat	tgccgtctac	180
caggacgtta	cgggcaaggc	caaggagaag	gccattgcca	tgggtgtttg	cgtcggttcc	240
ggttaccttt	acgagaccac	cttcgagaag	gaggtctact	cggatttgta	tggtagcggt	300
ggttgccctga	tgggtgggtat	ccacggtagt	ttctcgcctc	agtagcaggt	cctgcgtgag	360
cgcggccaca	gccccctctga	ggccttcaac	gagaccgttg	aggaggccac	tcagtctctc	420
taccttttga	tcgggtgcca	cggcatggac	tggatgtatg	ccgcttgctc	caccactgcc	480
cgtcgtggcg	ccatcgactg	gtccagccgc	ttcaaggaca	ccctgaagcc	tatcttcaac	540
gaactctacg	acagtgtgcg	tgacggcact	gagacaaaag	gctcgtctga	atacaactct	600
cagaaggact	accgcgagaa	gtacgagaag	gagatgcagg	acatccgtga	tctcgagatc	660
tggcgtgctg	gaaaggccgt	tcggtaa				687

<210> 14009

<211> 2130

<212> DNA

<213> A.fumigatus

<400> 14009

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gacaataagg agctcgcaact gcaagccgcg agatcaggcc gcttggaat tctcattacg 180
acctacggta catatctgca caacaaggat gccgttaaca tgggtggaatg ggactgcgtc 240
gtggcggacg agtgccacat cataaaggaa cgcagctcgg aaacaacaaa agcgatgaac 300
gtggtgaatg cactttgcag aatcggactg acgggcaccg cgattcagaa caaatacgaa 360
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aaacgtacca tctcagagcc attgaaaatt gggcagtcac acgatgccac tctgtacca 480
ctcagcaaag ctcgcaagac ggcaagaag ctcgttgaaa atctcctacc tcagtttttc 540
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ttctgtccgc tcaccgagac gcaggcaagt gcttacgaaa atatcctoga cagcgacatc 660
gttcagtaca tcaagacatc ctccgacaag tgtgactgcg gctcagggaa gaaagcaggc 720
tggtgctgcc ggcagttcct gccctccggg ggcagatggc agaactatgt atttcccga 780
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gtcatcggct cgtccaaggt ggaagaacga ctcagtcggc gtgcccagct agccgatgaa 1860
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cgccagtttt gcagtatggc gaagcggttc ggggttcgta gtgccactga gtttgcactt 2040
gtggtggagg gtatgacgca ggctcagaga cgggcgtggt tggagcgggtg gtataccgag 2100
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<210> 14010

<211> 669

<212> DNA

<213> A.fumigatus

<400> 14010

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ttcaacacta cctcactact gcaaatgtat cagcagctcc tcgccaagga cgaaagactc 180
taccgtaata atggccttct gaacatgctt gatcgcaatc ggaatctgaa atggggcccg 240
gagcgttttc aggactgggt tcccggaatg ccgcgagtgg accacgtgtc gaaaggcgac 300
aaaggtgctc tgggcacaga aggaggtacg gtcgacgtca tcatcacctg cgaggagcgg 360
tggtgggatg ccgtcgtaga cgatcttatg aacaagggcg cggctctcaa tcgaccggtc 420
cacgtgttca atgtcgacat cagagataac catgaggagg ccctggtagg aggaaaggcc 480

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atcctcgaat tagctacgcg actgaacgat gcggcgaccc aggaacgtaa gattcatggt	540
gccgagggct gggagaacgg caatggtgaa gcccgtagga gctttgacga acgcgtacct	600
gagattctgg cgtcgtggca ggagaagtgg cccaatttgc cggttttggt gactctggct	660
tggtatag	669

<210> 14011

<211> 237

<212> DNA

<213> A.fumigatus

<400> 14011

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caaaagggta tctctcaaac aaaaccccca atcagatcgg aggccgtctt ccaatcccat	120
aatatcatct ccggcctaga agtatctccc gtcgctcggg ataccaccgc tccaaacacg	180
cccgtctctg agcctgcgtc ataccctcca ccacaagtgc aaactcagtg gcactag	237

<210> 14012

<211> 225

<212> DNA

<213> A.fumigatus

<400> 14012

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gcgagtcctg tcaaggaggt ttctatcgcg gagtggatcg agcgcgcatt gcaggccggt	120
atcgactcac tgatcacggg gtacttggag gcgaagggtga taaagggcga gacgatccgg	180
tttccatcta tgggagacac gggtcgtctt gaggatttgg cctag	225

<210> 14013

<211> 309

<212> DNA

<213> A.fumigatus

<400> 14013

cttctgcgcc attgtctggg catcaaccgg acgaaaaact catggctccc tgtccaccaa	60
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acgggtccata acaccggttt ctccgcacat gccggcagct tcaagcctac agtagcctct	180
agtaatagcc ctaagtatcg atgcggatct ggcacctcaa ttgccgattt ccctgtcctc	240
cgcttccatg atcgaggatg ggttgcctac cccacgttta tgtctcgttg tagtttctct	300
gccatttaa	309

<210> 14014

<211> 1275

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (945)

<223> Identity of nucleotide sequences at the above locations are unknown.

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ccaaagactg ttgtgattga tggcaccggt ctcgtggaga acaaactgcg cctccgagct	180
ggcgatgcct cactcacagc cgctcttggg catctcaccg ctgaagctga tcgctggctg	240
agccagggcc cgtggactgt gaccgccaaa acgcaggcac cccctaacgg cacgatccac	300

gactacgcat	cccaagcacc	gtactggtgg	cccagtaata	ccaccgatgg	ctgtccctac	360
gtaaaccggg	atggcgagcg	caaccccgaa	gtcgaaaaat	accctgatca	cagcggacgt	420
gattcgatgt	tcagatccag	ctacatactc	tctctcgctt	ggtactacac	cggccaggca	480
aaatatgctc	aacgtgcctc	acttattctg	cagacctggt	tcatacgacc	cgctacggcc	540
atgacgcga	acctgcgcca	cgcacagatc	atcccgtgcc	gcaatgacgg	ccgctccatt	600
ggcatcatcg	acttcagcat	ggagtacagc	aacgttctgg	atgcagctgt	tatccttgcc	660
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cagtttctcg	actggctagt	caactcgccg	tttggcaagg	aagaggcaag	ccacgagaat	780
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gataatgtgc	acgcagcagc	tgatgcagga	gacagtcgag	ccaaggcagc	tgtgcctcgg	1200
cttcatccgc	cgcgcactgg	ggatatattac	ctgcttagac	cggccgccga	gcagttggat	1260
aatattgctg	gttag					1275

<210> 14015

<211> 840

<212> DNA

<213> A.fumigatus

<400> 14015

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ggtgtggatg	ttgtcactga	agatagtgtg	ctacaatcct	tacaacagtg	ggcgacaaac	180
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gcccttttct	ctgcttggtt	cgccaccttc	gcgcgacagg	cagctcttcc	ggtcatttcc	300
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agtcacgaag	cttgtgattt	tgcttgagg	cgtttttacat	ccctgaatgg	caccttagt	480
tcgtggaaaa	cactcctctc	cctgatcgat	gcgctggtgc	actacgcacc	accactgcta	540
gtctgcgtga	ttgatggcct	cgataaaactc	caagacgagt	ccaccgatgc	ccatatccgg	600
gagctgggtc	gcactttgat	gattcatacc	agacatcggg	tggacgatac	ggcagacggg	660
tcttggaacc	aaaagggtgct	cctcaagggt	ctctttaccg	tggctgatcg	gccagtttcc	720
ctggttgaaa	cgatgtcgga	gaatcaactc	atactgagcg	agccaaaggg	agcagacgag	780
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<210> 14016

<211> 600

<212> DNA

<213> A.fumigatus

<400> 14016

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ggcgcgaaag	gttccggggc	tttttccagg	agaactacgt	tgcgctgccg	ctggagctcg	360
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ctgaggatgg	gcggggcggg	ggtttccagc	gcaaggcgaa	cctgctgcag	attagttgtg	480
cgtttgcaaa	gacaatggag	agtattgata	cgggtgccgat	tgtggagagg	tgttgggggg	540
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<210> 14017
 <211> 1404
 <212> DNA
 <213> A.fumigatus

<400> 14017
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 aaaagcccga catcgtcgcg cagcgttggt caccagacg acctgttcag gacatctgct 180
 acgacactct gcgagatgaa tggaaatcat ttggccacca gtcgactgtt cgagacgact 240
 cctcgaatcg aagacttcaa agagatatgc agccagacca ccgacaaagc ctcttaccct 300
 ttatcctcgc gcatcgagaa gaacatcccc atctacgata taaccaccct tgaccacctc 360
 aacggggaac tcaccacctg tctccaagac gaatggcaca acgccctcaa caccggcccc 420
 ggcacgtcgc tgctaaaagg catgtaccac ccaacccacc atggcccaac cctgacagcc 480
 accaccgagg ccttcgcccc catcattgcc caagagcgcc gactgcaac aaagaaaggc 540
 gaccacttcg ccgccagcgg caaaaacgac cgcacttgga actccttcag caaacacgcc 600
 ctctcgcacc cccgctcttt tgtagcgtac tactccaacc cctggctgcg cctcatcgcc 660
 gagtcttgcc tcggcccagc ctaccgcac acagcccaag tcaacatcgt caaccccgcc 720
 ggcgcggccc aggaatccca ccgcgactac cactcggtt tccaggccgg caccaccacc 780
 gccgccttcc cgcgcacct gcacctcgcc tcgcagatc tcacgctgca agggcgctc 840
 gcgcacagcg atatgcgggc gtgcagtggg ccgacccgct tcctcccctt cagccagtgc 900
 tttgagcctg ggtacctcgc gtggcggcgc gaagagttcc gggcggtttt ccaggagaac 960
 tacgttgccg tgccgctgga gctcggggac ggggtgtttt tcaaccggc agtgtttcat 1020
 gcggcggggg cgaatgagat ggcacctgag gatgggcggg gcgggggttt ccagcgcaag 1080
 gcgaacctgc tgcagattag ttgtgcgttt ggcaagacaa tggagagtat tgatacgggtg 1140
 ccgattgttg agaggtgttg ggggatatg gtgcggcggt gggaggaggc cggaggccgg 1200
 ttggatgcgg agctcgaggc gctagtgatg gctgttgccg atgggtatcc gtttccgacg 1260
 aatctagata ggaggccgcc ggctcccagt gggatggcac cggagagcga gcaggagatt 1320
 gttctccgag ggttgaagga gggatggggg gtggacaggg tggtaggagga gttgaaacag 1380
 atgaagaagg attcaagtgc ttga 1404

<210> 14018
 <211> 465
 <212> DNA
 <213> A.fumigatus

<400> 14018
 gcttatgac gatactacca gacgtccaat atgctcttga tatatcaaag gtacctctc 60
 tcagaccoga gggcccttcc aagtgcccat tctgccggtt ggttcttcaa aaagtcac 120
 tatctgcttg ggcccagggt acctatccag cgacagatca agcacttgaa tccttcttca 180
 tctgtttcaa ctctccacc accctgtcca ccccccaccc ctcttcaac cctcggagaa 240
 caatctcttg ctgctctcc ggtgccatcc cactgggagc cggcggcctc ctatctagat 300
 tcgtcggaac cggataccca tccgcaacag ccatcactag cgcctcgagc tccgcatcca 360
 accggcctcc ggctcctcc caccgcgcga ccatatcccc ccaacacctc tccacaatcg 420
 gcaccgtatc aatactctcc attgtcttgc caaacgcaca actaa 465

<210> 14019
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 14019
 gagctgtcga tcatctctag agttgccgct tcttttatat tcaagccgag tatgatcgca 60
 accatgcttc tgctgctcg cttcgactcg acatactttt ctgagaatga gtgttcggaa 120
 gaaggctgga aggctacgga ttcaatgtgt cagtcgaagt cagatatggc cgatattgag 180
 aagcctatag tatga 195

<210> 14020

<211> 633

<212> DNA

<213> A.fumigatus

<400> 14020

cccaaacttc	cggggccggc	caagaccttt	tcttccttgt	tctctggcac	tagttcagcc	60
ggtgacgcaa	cggcgcacac	agttgcgcct	cataacccat	ttgccagcat	atcatcgccg	120
tttatgccat	tcaagacgcc	ggtgactgag	cagacggctc	cgactttgcc	tgctgtatcc	180
agtagccatc	aaccaacctc	aatcttttcg	acaggaacat	acagtcttac	gccaggggaag	240
cccgacacag	cccctgcata	cgctacgtct	cagcttaaag	cccaaaacgt	cttccaaccc	300
tatacaacac	cttcagcgtc	accgttcggc	cttccccaga	caccatcaat	atccagacct	360
gatcagggtc	ctggcccggc	tgctgctcag	ccgtcgataa	acatattcaa	tactggcaag	420
ccatcctctg	ctccgcagat	ttccagctct	gtcttcagtc	tcaactgggtca	gaatgctctc	480
ctcggaaaat	cggaagctga	aaatcgtcaa	ccaagtctct	tcaattctgc	gaagacaaca	540
tccgcaccat	ctccgtttgc	gcaagcaagt	aatttgttcg	ctccagcgaa	agacgggtacg	600
tttttctgtc	ctacagcatc	gttgctcagta	tag			633

<210> 14021

<211> 330

<212> DNA

<213> A.fumigatus

<400> 14021

cttgactgcc	cagaaataca	ccagtcaagg	cgacaactct	gcacaattct	ttcaatcatc	60
aagggtccaca	gaatttttca	tggttgacta	ctccaacggc	gtttcgcttc	ttcctccttg	120
accaggcatc	ttactaccac	ctcggctgtg	gaaagagcca	ggaaagcaat	cactctctca	180
tgcttagcac	aggtatctag	actccaacat	agaggaatgc	gaattgccac	attacaattc	240
gcccctaagg	tgggcgacgt	ggaaggcaac	atcaaacgga	ccaacgaatt	gctgaacagc	300
ggctatgccca	ctgggatcga	gaacctgaac				330

<210> 14022

<211> 993

<212> DNA

<213> A.fumigatus

<400> 14022

gacgaacagc	tcctttccga	tattcgcaca	ccaaagcaat	tcttttcagtc	aaccaatatt	60
ctgatccgat	atataccttg	cggctctgag	cctcttggtt	tgatgcacaa	gtttgtctgg	120
gatcggacac	gatcgattcg	taacgatttc	tccgtccagc	agctcaccca	ggaggaggac	180
gtgaagatag	cagtcacatg	cctggagaga	attgcccggg	tccacattgt	gtctcttcac	240
ctactctcta	gtcctgcgaa	cgaagagccc	tttgaccgcc	accaggaacg	agaacaactc	300
aacaatacca	tggtgtcgct	gatgtactat	tacgacgaca	atcgaggccg	catcacgttt	360
cccaacgagg	acgagttccg	ggcctattac	attatcttct	ccattcacga	ccagcggccg	420
gatttagaag	cccgtgtgca	aaaatggcct	gcagagctac	gcagttcgcc	tcgggttcaa	480
gtcgcccttg	aattgttcgc	cgctgctggc	aacacttggg	agtatcaagg	caccttggtt	540
gccaacacgac	ccaacgccat	tgcacaggga	ttctacgaac	gcttcttcaa	cttggttgat	600
tctccagctg	tctcgtatct	gatggcctgt	gttgccgaaa	cctatttcaa	ccacatgcgc	660
caaacggcta	tccgttcgat	atggaaagga	tattgtcgtt	atcccgttcc	tcaacagcac	720
aagaatgagg	agtggaccgt	tgacgaactg	accaatgtct	tacactttga	tgatgagagc	780
caaacaattca	aattctgtga	agagcaagat	ctacaatttg	ctgaaaatgc	tcatggtaat	840
ctttatctca	actggggcaa	ccgtccgggt	gactcgattg	gtacgtgtgc	tctcgacaac	900
actatcgcat	tctttccttc	gttcaactgt	ctgtttcgcc	ccatcggatt	acggcaatca	960
tactataggc	ttctcaatat	cggccatata	tga			993

<210> 14023
 <211> 297
 <212> DNA
 <213> A.fumigatus

<400> 14023
 tgtctcgcag ggtgggtgtct ttacggagtc tcccgcacgc gcttcaagcc tgcacaacgc 60
 attcacagaa ctttcgcaga gtacaacaaa cgcagaagcg gcacctacgc aaagcagccc 120
 gactttcttcg attgcacaaa tgaccaatat aacccaaact tccggggccg gccaaagacct 180
 tttcttctctt gttctctggc actagttcag ccggtgacgc aacggcgcac acagttgcgc 240
 ctcataaccc atttgccagc atatcatcgc cgttttatgcc attcaagacg ccggtga 297

<210> 14024
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 14024
 aataatcctt gttcgggttg tccgggtaaac ttccgcctcc cggagccaaa gggaaggacg 60
 tatgaggaac ctgacctgtt gttcgcagcag gaggtgtcgg cgcgcaagtt cagagagacg 120
 gtgggtgac catacgcggg cgaggaggaa cacgtggagg tgcgagagga gcatcacaag 180
 gactaa 186

<210> 14025
 <211> 417
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (40)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14025
 tcaatgccgt cgaacacttt tgtgtggcgt gagggattcn tgcacgcgt tgcattaggt 60
 cttatgctgg cccacagggt ccctcctggc cgtgtttatt ttaaataaat cgatgccgct 120
 catcgtcaaa tttcccaaat tccatcctct ttctatctac acactgatca tcatcatcac 180
 catcatcatc atcaccatca tcatcatcat ggccctccgga ctcatcttcg atccccctcca 240
 gctcctccgc gtcgcgccat tagccaccag caccggcagt ctctgtcatg ccctgggtcga 300
 gctgttctcc aactcggcct ttctccaacc gtcaatccga aaaccctccg acgcggtcct 360
 gccgaaatgg tactcatacg tcttcaatcg ccagattgtc tctgtccttg cgcttaa 417

<210> 14026
 <211> 417
 <212> DNA
 <213> A.fumigatus

<400> 14026
 cagattgaga aaatcttcga ggtagcctgc acgctcaccg atgtcatggc ttgtctatcg 60
 acggcgggac tgcgctcgtc cgggttcaac ctgggcccgc aggattactt gaagcatttc 120
 ttctcgcttg taaacactct ccaggttgt cgacaacggg ttctaccatt gctattgaca 180
 aagggtgggac agaccttgcc gtccatgctg caaccgtaa cacagcactt gaatctccca 240
 gcagcgaccg tggaaactct tgtgcccccc gaaaaggccg agccggaggc ctttggcgac 300
 acgtggcccg atgaccaatc gtacagcgac ttcaactacg ccgagatgag tcggattggg 360
 gacaaaacgc cggaaatcga tgaagcgttt atgcagtatc tgcaatcgag tccttga 417

<210> 14027
 <211> 645
 <212> DNA
 <213> *A. fumigatus*

<400> 14027
 gtcttatgct ggccccacgg gtccctcctg gccgtgttta ttttaaataca atcgatgccg 60
 ctcatcgctca aattttcccaa attccatcct ctttctatct acacactgat catcatcatc 120
 accatcatca tcatcaccat catcatcatc atggcctccg gactcatctt cgatcccttc 180
 cagctcctcc gcgtcgcgcc attagccacc agcaccggca gtctcgtgca tgccctggtc 240
 gagctgttct ccaactcggc ctttctccaa ccgtcaatcc gaaaaccctc cgacgcggtc 300
 ctgccgaaat ggtactcata cgtcttcaat cgccagattg tctctgtcct tgcgcttaac 360
 ctaaccacca tctccaccgg tatatcgaa attctactga gtccgtcgcg cagtgccttg 420
 ccctgtgcgc gcacaacgtt ctactgggcc gccgtcgcgg gtgcggtggc gcatctcttc 480
 ttcgtgccgt ttgtcgcgcc tcggatccaa cgtatagtgg aggacagcaa tgcgaatggg 540
 ccaacagtgg acatggagga ttggctggga tttcatcgca ttcggatgtt agtggcagat 600
 ctacccgcgt ggctggcatt tgcaggagcg gtcatggtgg tataa 645

<210> 14028
 <211> 1500
 <212> DNA
 <213> *A. fumigatus*

<400> 14028
 gaacttcggc ccccgcttca ttgcctcgat acgggttatt cttggcgtgg gatgacgcgg 60
 aaaacctcca cattttctcc gtttttcgat cctccccaca atttctctca aatcattgca 120
 actagcaatc agacttgcaa gatgccccgc gacacgcaga tggatgaagca ggcctgcgat 180
 gctgtcgcac gtcgtaaagt caaatgtaat gctcaaagac cctgcagcca gtgtcgatcg 240
 gccgggctaa gctgccgtac ctgcctggtc cgacagaaga aaggcgagca gggccgggtc 300
 gccaacgttc tctctgaatt gcgtacacag aatgctcaag ggaatgagcc acctgacctg 360
 acgatagcaa gtctaacagt ggccgcttcg attgtgagtc cccctggcgg acgatgtcga 420
 tttgcgcgca aggaaaatgt ccttcctcgg gagctgatcc gggattgttc cgagtacttc 480
 ttgcgcgca tgcaaggtag ggttcctatt ctacaggcgg aaactttcca gagacatgta 540
 gagcagatgg atcattgcat tcatgcatat tgcttggtgg ttgccttttg tgcttttgtc 600
 atgatgcaga cgggggtatt gtccgccccaa gccgcaggct caagatggac ccggagtatg 660
 gacgccgggc gcgaattgct cgaggaagcg acagaagcgc gaaagcatct ggatccgctc 720
 actgtccctg tccggcagag catcaccatc gcgtttcttc tgtacggctg tcatatcgcg 780
 ctagggaatc agcggccacgc gtactatttc ctccgggaag cgaccacctt gtacacggcg 840
 ggcatgttgg atactcaatc agacgcagaa gagggcgaag agaagctctc ttctggcaag 900
 ctcttttggc tgcttctgat ttcggaacgg tattttgact ggatggctca ggtagaaatc 960
 gttctaattc gaaacagagc ccatgccatt cgaagacatc ggcccgtcac cctacagggt 1020
 accgccaaca gtccgactct ggaagatcct tcccctgacg acacatcctg tattggattc 1080
 cgctgtctgg ccgatctcta ccgcccgttc gacgagtcgt tcctcgggct gtggaacggg 1140
 acgcatgcca catgctcccg cgagtgcctc attctgctcg acaaacatat ctgtgatgca 1200
 gttccccccg acctcgagct tcccgacatc ccgatggcgg atctccgtgt ctcaaacag 1260
 tggctacgga ccatgatctg gcaattgtcc accaccgtgg gctttctgtc cagcaaagcc 1320
 agccatccgt gcatggaatt ccggtatccg ctgcagattg cccgagacct atccctggcg 1380
 acatggaagc tgtcaacaca gagtatggaa acgcatggga ttggactggg ttggtgaacct 1440
 tcccctctgt acacaaaaat gctgatcaac tgtgacagat tgagaaaatc ttcgaggtag 1500

<210> 14029
 <211> 357
 <212> DNA
 <213> *A. fumigatus*

<220>

<221> unsure

<222> (154), (186)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14029

cgtcgagagg	aatccccg	cagatggagt	agctcggaga	cggcgaaatc	atcttcagct	60
gcaaatacaga	ccatattttt	tgggatccag	ccaaccggg	taccgcacct	tggaaattat	120
ctgggagctc	tacgtgaatg	gttacggcta	caanatgctg	cgaaggagg	aacaagattg	180
tttttntcta	tcgtcgactt	gcatgcgttg	acagtgccac	aagacgcctc	ccagctacga	240
aattggagaa	aagagacatt	tgcaaacctc	attgccgttg	gtttagacct	gaatcgctca	300
acgattttct	accagtccgc	cgtatgcagt	atgaatatgg	gttgtaaagt	ttactga	357

<210> 14030

<211> 465

<212> DNA

<213> A.fumigatus

<400> 14030

cggctatcaa	tagcgctgc	taaacgggtt	atgtccctca	aagaaccgac	gttgaaaatg	60
tccaagtccc	atgccgacag	acgctcaagg	atcattctta	cggattcgcc	cgcagaaatc	120
tccaaaaaga	tcaatgctgc	gctcacagac	tcggaattaa	ccattacata	tgaccagtc	180
cgtcgacctg	gagtggcgaa	tttaatatag	atcttgagtc	acttcgatgg	acgaacttgc	240
gatgagattg	ccatggaata	ccgttcagcc	agtcttcgcg	ctctaaagga	acatctggcc	300
agaacgttgt	ccaatcatct	tgagccaata	agagagaagt	atctctcact	tgtaggagat	360
cagactgact	accttgattc	tatagcagaa	cagggttctg	aagccgcgcg	ggccaacgct	420
gaattgacaa	tggagcaagt	caaagtcgct	atgggcttaa	tttag		465

<210> 14031

<211> 195

<212> DNA

<213> A.fumigatus

<400> 14031

atcagagcta	ctcatgttcc	tgtcggagat	gatcaaaggc	agcacctcga	atcttcgagg	60
aacactgcga	atagtttcaa	tcatgtatat	ggaccattt	tcccgtcacc	agaagcaatt	120
atatgtaagt	ggtttttgct	tctggcgga	cggctcctgtg	ttgggaaatt	gacggctatc	180
aatagcgct	gctaa					195

<210> 14032

<211> 660

<212> DNA

<213> A.fumigatus

<400> 14032

cgggccaata	tgccgcacat	attctctctc	ctttcgattg	tgtgtctaata	ggtgaaacat	60
ggtgcctgct	taacactgca	tcagagggat	gttcctgctg	tggctctact	ggatatcaag	120
cgtagcattg	tttcagacct	cgtggtgaga	gaccgagttc	ggcggaacg	agacaaaaca	180
atcggccaaa	cgctcgataa	tgtctgtgagt	aatgtaacct	atcggaagtt	gaccttcgg	240
ttcatcagtc	ggaccatggt	aacagtcaac	caggaaactc	tgtacttttg	caacgtgact	300
ctcggcaccc	ctgggcaggc	cttgccgctt	gttctcgaca	ctgggagtag	cgatttatgg	360
tgcaacgcgg	ccaattcaac	actgtgctcg	gattcgaacg	attcctgcaa	catatccggt	420
tcttatgacc	cttcttcctc	atcaacatat	gcttatgttt	catctgattt	caatataatca	480
tacgctgatg	ggaccggcgc	cgtgggtgat	tatgcaactg	atatactcca	tattggagg	540
tcaacgctga	ggaacctgca	atttggaata	gggtactcgt	ctacttcttc	aggtacgccc	600
accacagcct	tggatttggc	gaatgtctgc	tctacatgta	cctgcattgt	tttagttag	660

<210> 14033
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 14033
 tctcctccgt gtccttgac ttgcatctta gtgatccagt ctgcggaagc ctgcctaaac 60
 atgttaacta ctctgtatgg attcgccaag cagtacggcc tcaacgttcg cagtccacaa 120
 attactaccc tctcgcatgg atacattccg gttgagagtc taggcagtca tgctattctc 180
 ggagatacac aaataacgta ttgggtctggg tctagcacct ga 222

<210> 14034
 <211> 681
 <212> DNA
 <213> A.fumigatus

<400> 14034
 atgtcattat atgcgactac attgaagtct gctaattcat gtctcctaac agaccaagga 60
 tgcaaagtaa cagcatatga cctccgcccg ttcgaggtcc cagacactat tggcgagagt 120
 tacgcccgcac tcaacatcca gcgcggcgac atctccgacg aagagtccat cagatcgggc 180
 attgcactcg ccgtcaagcg gttcggggccc atcaacatcc tcattgccaa cgccggcatc 240
 accgatgaaa gccacgacta tcccatctgg gagctccac tggaaacatg ggagaagacg 300
 tacagcgtca acgtccgagg cacgtttctc accatcaagc acttcctgag cgctgcacgg 360
 accgcacagc aggtctatggg cagggagctg gagaatctgg ccattgtcgt gacgggaagc 420
 gagacggggg tgttcgggca ggaggggccat gccgagtag catccggcaa agctgggtctc 480
 cagtattgat tgggtgaagag tgtcaagaac gagattgtcc ggctgaatag tagggcgaga 540
 atcaacgccg ttgcgccagg atgggtggac acacctatga tcgaagggag actggatgat 600
 ccaaaggaac tgtgggccga agcccaagct acgtatgttc tttcaaccag cctggagaga 660
 ctctccctga caaaatcata g 681

<210> 14035
 <211> 1167
 <212> DNA
 <213> A.fumigatus

<400> 14035
 ttctacagcc atattttgct gacctggacc aggcgaatct ggagaacggc acacatgaac 60
 actacacatc gccgcgggca agcgttttat gctcttccat cgtcgcactg gcagatgctg 120
 gcagagcccc cgttctccct ctgggacaac ttcaaccgcg tagatgacgc tatcgatgtc 180
 aatgctgaca tcgcggactc gattctcgcg gcaggectcg cgtcgttcgg tctaccagcc 240
 gatccggatc ccaatgatcc acggcagaac tggcacggca cggccacgtc ttcagatgtc 300
 aacaaggcgc actcaaccat ccgccagttc taccgcgact ggagcgccga gggaagagcc 360
 gagagagaga tatgttacga gcctgttctc cgtgatctgc gcgacgagtt cgacaccggg 420
 cactctgaca ggaacgagat ccgggtgctc gtcccgggcg ccggcctggg aagactggtg 480
 ttcgagatct gtcaagcagg cttcgccgca gaaggcaacg agatctcata tcaccagctg 540
 ctggccagca gctgggttct aaaccacacc cgcggtcctc agcagcacgc cttgtaccgg 600
 ttcgcgctgc acttctccaa cctcctgtcg cgcgaacaac aactacagaa aatcatgatc 660
 ccggacaagc accctgcaac agtgatgatg gaggtcaag ccgaggactc gtcggcattt 720
 ggaacaatga gcatgtcggc ggcggtttc gtcgtgctct acaacaatcc ctcaaacaaa 780
 gaggcgttcg atgcgggggc taccgttttt ttcattgaca catccccgaa tcttattcgc 840
 tatatcgaaa ccattccgaca ttgcctcaag cccaacggtc tttggatcaa ccttggggccc 900
 ttactgtggc actttgagga cggtagttaac aaaggccatg gcagtgggaag tgatcactct 960
 cagggcatcg gggagccggg gaatgtggaa ctgacagaag aagaagtgtg ttgccttgtt 1020
 gatcgaatgg gcttcagcat cgaaaaacag ctgtcggcgg aaaaccgacc cctgtgtggt 1080
 tatatccagg atccacagag tatgtgcac aacttgtacc ggccctcaca ttgggttagcg 1140
 cgcaagaata ccgaaatcca aaattga 1167

<210> 14036
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 14036
 tatgtcccgt gcaatgccac agttcctgcg tcgacattca tctggaagtt tgaagatata 60
 gagtcctttt gtttggttat tacattttct atcttttagta tctcattccc agtcaagggc 120
 actgcgattg acagctctcc tcgccatgga tatggatata cgagcccgac tcagtccttg 180
 gttgccagta ttgtcatgta ttgtacttta ccatacatct aa 222

<210> 14037
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 14037
 gggccgggtac aagttgtgca gcatactctg tggatcctgg atataaccac acaggggtcg 60
 gttttccgcc gacagctgtt ttctgatgct gaagcccatc cgatcaacaa ggcaacacac 120
 ttcttcttct gtcagttcca cattccccgg ctccccgatg cctgagagt gatcacttcc 180
 actgccatgg cctttgttac taccgtcctc aaagtgccac agtaa 225

<210> 14038
 <211> 279
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (266)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14038
 tttcatagcc tgccggcatt tgttccaaac gatgatatgc atcttataac atcgaataag 60
 tcgatgacgt atgacagcgc catttctccc gttcggtcac atcaactgtg tctatactcc 120
 tccccctcga cggaggaata tacgtccga gtcgccaaaga tcctggcccg acggatgagc 180
 ctccctgtct acgtgggctg tagcatcgat cctcgggcc ctcagttggc cgttgaggag 240
 gagattgagg ggttgagtaa gatggnngac gtcaataa 279

<210> 14039
 <211> 1191
 <212> DNA
 <213> A.fumigatus

<400> 14039
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 aaatttgaag acagtcgacg accacctaac agcggaaaca ttgactgggt tcggctgggt 180
 gataatcagc aatcgaataa gccacacaac agtgctgctc atgatcgcaa agaactctgag 240
 agcgtttcga gccttgccga cggcgatggc ttcattcatt gtgtgcagga ctggcgagat 300
 ccagatcttg taccgccag aaccatctct ctgccgtcgc cgagtacgt tgcaagctcg 360
 gcgaagactg agtcgggcaa cagtgcgaag agccaaaaga agacttctaa ttcaccgaag 420
 ggcggtagca tcaactccagg aagcgggtgaa tatcggagcg ttgatagatc tagcgacaac 480
 gaagaagtcc cttcgcgtga tggctctccg gtaaattctg ctggaaacgc cggatcagac 540
 aagggttggg ttttcaagcg cttctttgca cctagacgta cagaaggcgc caacttgtat 600

aaaccagcaa	acaacaagat	gcgcaggaat	accgatcaaa	atgccaaggt	taccgaacat	660
gagggcctgt	gggtgacgtt	gacccaaca	agcatgtcta	caagccctt	cttcgatacc	720
ctgcttggtc	tagttgtcag	tccctgtctc	actttgacgg	tcgtgtatgc	tctgcttttg	780
attcgatctc	gtattcgtcg	aaggcggttg	cgggctccga	agtccatcgt	ggaacgcctt	840
ccggtgagga	cctaccacac	aatcccgcgc	ccttcgtctg	cagcaagttc	ctctcgatct	900
tccagtccctg	gaccagtctc	gccgacttcc	ccattgctag	gttctcggag	tcggccggag	960
ctggccccat	cacgctcctc	gttcttgctg	agcgggtacag	ctgaagccaa	gaagactcgg	1020
aacatggact	cggcaaaagg	cgagaagtc	gggttcggcct	cctctgtttg	gcgcgcgaag	1080
tacactggac	ggcaggtgga	atgtgttgta	tgtctcgaag	aatacattga	tgggcaaagc	1140
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<210> 14040

<211> 636

<212> DNA

<213> A.fumigatus

<400> 14040

catataatgc	agggcattct	cttcttctcc	taccacaaag	acctttggcg	ccctttcatc	60
tctcgtgctg	tccagacat	cggctctggc	ctcggcgctc	caaccgccat	gttcttcttc	120
acctaagctc	cgcaagcagc	catcatgacc	ttcaccagcg	gcccgctggc	cccgatttcc	180
gccgcgctgc	tcgtcctcag	cgaaagctcg	accatcacca	atcttctcgc	gcggctgttt	240
gtcctcgtcg	acgcgctgac	cgataccttt	gatggcactc	ttgtcgcacg	cggacacacg	300
gagctgggtg	caaaaggggc	ccagatcaaa	gcctctgggtg	gaggagcggg	gtctagactg	360
gggagggttg	tgaaccggcc	gctggagcgg	atgagaccat	cggcgctggg	aaggctcgtg	420
atgctcctgc	cgttgaattt	tattccagtc	atagggacaa	tactgtatgt	gtatatgcag	480
gggaagaaga	ctggggccagt	ggcgcatctg	agatattttc	agttgaaggg	gtgggatgag	540
aggaagagag	aggagtgggt	gaagaagaat	cagggagggt	atactgggta	tgattcagct	600
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<210> 14041

<211> 297

<212> DNA

<213> A.fumigatus

<400> 14041

gttgatacgt	gttgtctaag	ggcgctccgc	cccagggtcta	cgatttcaac	taaccgcgcg	60
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gtacgacacc	tacaccaatc	gatcggtaaa	tcgaagaaac	ctatcacagt	tgtgagatgg	180
acgccagaag	ggagacgggt	gttgaccgga	ggacatactg	gcgaatttat	gctgtggaat	240
ggaacggctt	tcaactttga	gacagtcatg	gacgtgcgtc	tgcttccact	cgactaa	297

<210> 14042

<211> 1413

<212> DNA

<213> A.fumigatus

<400> 14042

tcatttgagc	aggcacatta	tgatcaatta	caagcaggag	taacttcgat	tgcgtggctg	60
catagccatg	actggctgat	ttcagggtgga	caaaagggcg	acatcaaata	ctggcgacct	120
aacttcaaca	atgtggagac	gatcgatgat	gcacatcacg	atgccgtacg	agacctagca	180
tggtcaccga	gcgacacaaa	atttttgtcc	gcgtctgatg	atacgaccct	aaagatcttc	240
gacttcaccg	cacgaactgc	cgacaccgtt	cttacaggtc	ataactggga	cgtcaaatacg	300
tgcgattggc	accogacaaa	aggtcttctg	gtgtcggggg	cgaagacca	ccagggtcaag	360
ttttgggata	ctcgcaccgc	taggtgcttg	acgacccttc	acagccataa	gaataccgtc	420
acgactaccc	gattctcgcg	agtaaacagc	aaccttctcg	ctacgtcatc	gcgtgatcag	480
actgcgagag	tatttgatct	acgtatgatg	cgagatatct	gtattctccg	ggggcatgag	540

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aagcctatct catctcttac atggcatcct attcacagtt ccctcatttc cacagggagc 600
gaggatgggt cattatacca ttatttactt gatgaacca accttccatc aggacaagtt 660
cctacaattg ccccgtagca cagtcctgat cctgcgaata ccccgagcaca ggatcatctac 720
cccgcccatc ggatccaata tgcccacagt gccactatct ggctactcga ctggcatcct 780
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gcccaaggaa catggagtcg tgggtttgga aggcgacaga tgcgtgaaga ggaagagcaa 960
gaggcacaag acgaggctga aagcttgggt gaccagaaga atactaccgc ccaatctctt 1020
ccgggcatcc agattgctcc ccccggtctt ggttctctgc aaacaggatc tggctcattg 1080
ttaccaggca ttgggtgctcc acaacctgca cgcgaagctg ggatgtctgc atccatgcct 1140
caaatggacc ctggccgctt ggcagcgatt ctgtctcaac aaaacccctc tcagccacaa 1200
aattttcctt cggccacagg cattcctgga ttccccatgc cccctgctat gtcagggtact 1260
ccgccattga acatcgacct tgcggagcta caaaagcagc tcctttccca gggcatttct 1320
cctcaaaatt tcgcctcttt ggctgcattc ctagggttctg cgggtcttcc tgggtctgaa 1380
agcagcacgc ccgataacac gtatcgaaga tga 1413

```

<210> 14043

<211> 189

<212> DNA

<213> *A.fumigatus*

<400> 14043

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acagccccga gcttgaaatc aattagcctg gatctgccat cggagattgt tgagggtcact 60
tacatgagac caaaatatac tccaactaga agaagcttca atgcaccaat gcagagaaca 120
ccaacgtacg gcaagcagac cttcaattcc aacttgctg acacagacaa ccacgacggc 180
aggggctaa 189

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<210> 14044

<211> 198

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (156)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14044

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tcccaggcgt cgagggagta ctgcgctatt cctaactcggg agacctccag gcatgcaggc 60
atcaacgccc gttttgacac ccccatgtg gtgtctacgg aaggccaaga acaaaaatat 120
atacggttga gacaaagtct cctgcttcta gctaanacta tatgcattgc taatatgcc 180
tctctaagaa aacactag 198

```

<210> 14045

<211> 306

<212> DNA

<213> *A.fumigatus*

<400> 14045

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cgaccgaatc tgggtctgat gtccggaaaa agattggcga tgcagtggcg gaggtggcca 60
gacagtacac cgataacggt atgcccact tcatgggtgg tgaaaaagag ttccatatct 120
aatgaaaggt cttctctagg cgatcaatgg cccgagcttc tcggcgtgct ttccaggcc 180
agccagtcac ccgaggcagg tttacgggag gccgccttc gcattttctc gacgactccc 240
agtatcatcg agaagaacca tgaggatgcc gtttgcagg gtgttcggca aggggtttcaa 300
ggatga 306

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<210> 14046
 <211> 330
 <212> DNA
 <213> A.fumigatus

<400> 14046
 cgagcgatca acatgtcgtc gctccccccc gaggttcact ccgcgctgtc ccagctgttg 60
 cgcgcggttga ccacacccga taacgctatc cgtactcagg cggaagaaca gttgaataat 120
 gactggatcc agaaccgtcc agatgttctt cttatgggcc tggccgagca gattcagggg 180
 gcggaggata cagtagtaag tgatacaagt tctgtcagga gacatgggga ccgtgtctgg 240
 tgtaggcaaa gagacagcct tgaagccttc tacttactac gacttgagcc ctgttgccgc 300
 gccttgctgg attcgactga ttttggttaa 330

<210> 14047
 <211> 411
 <212> DNA
 <213> A.fumigatus

<400> 14047
 gtgatacaag ttctgtcagg agacatgggg accgtgtctg gtgtaggcaa agagacagcc 60
 ttgaagcctt ctacttacta cgacttgagc cctgttgccg cgcttgctg gattcgactg 120
 attttggtta atcttgaccc gcagacgcgt acattcgccg ccgtgctttt cagaagaatc 180
 gcgaccaaga caaggaaaga tccggtcaca aatgaggcca aggaactctt ctcaacactc 240
 tctggggaac agagattgggt cattcgacag aagttgggtga gctgtttgac gaccgaatct 300
 ggggtctgatg tccggaaaaa gattggcgat gcagtggcgg aggtggccag acagtacacc 360
 gataacggta tgcccaactt catgggtggg gaaaaagagt tccatatcta a 411

<210> 14048
 <211> 1986
 <212> DNA
 <213> A.fumigatus

<400> 14048
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 caacccaagt ttttcggact ggtaccgcac atgctcaaca ttctgcccc tttgaaggag 120
 tcctccgaga gcgaggagct gtcttcgcc tctttggctc tcattgagct tgcggaagtt 180
 tgcccgaaaga tgttcaaagc tatgttcaac aaacctggta agttcagtat tagtgtgatt 240
 gccgacaagg acctcagtga tcaggttcgc cagaatgcct tggagtgtat ggctacattt 300
 gcagattacg cccctcgtat gtgcaagaag gaccccgagt ttgctcagga aatggtcacc 360
 caatgtttga gcttgatgac tgatatcgga gttgacgacg acgatgcttc ggaatggaat 420
 gcgtccgagg acctggactt ggaggagagc gaccttaacc atgttgctgg agaacagtgc 480
 atggaccgtt tggccaacaa gctcggcggg caggttatcc ttccggcaac ctttgccctg 540
 atcccccgca tgatgtcgtc ctctgcttg cgcgatcgtc acgcagcatt gatggccatc 600
 tccgccattt ctgaggggtg ccgtgacttg atggtcgggt agctcgatca agtgctggcc 660
 cttgtgtgcc cggctctcca ggaccctcac ccgctgtctc gttacgcggg ctgcaacgcc 720
 ctccggcaga tgagcaccga tttcgcggga acgatgcagg agaagtacca cagcgttgtg 780
 ttgaacaaca tcatccctgt tctggataat gctgagccac gagttcaggc ccacgcggcc 840
 gccgtctctg tcaatttctg cgaagaagca gagaagaagg tactcgagcc gtacctgtct 900
 gatcttctgc gacaccttct gcagcttctg cgcagcgaga aacgttacgt gcaggaacaa 960
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 gagacctga tgccattgct cttcaacgtc ctgaaggagg agcaatcaa ggagtaccgt 1080
 ctactgcgtg ccaaggctat ggagtgcgcc actttgattg ctctggccgt gggcaaggag 1140
 aagatgggac aggatgcgtt gaaccttctg cagctgctcg gcaacatcca acagaacatt 1200
 gtcgatgcgg acgaccgcga gtcgcagtac ttgtctccact gctggggccg tatgtgccgc 1260
 gttctcggtc aggatttctg cccttacctg ccagcgcgtc tgccctctct tctgtccgtt 1320
 gcggctgcca aggcgcacat ccacctgttg gatgatgagg accagatcga ccaagttgaa 1380

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caggatgagg gctgggagtt ggtgcccctg aagggcaaga tcattggtat caagaccagc 1440
gcgttggaag acaagaacac cgccattgag ctgattacca tctacgctca gatcctggag 1500
gctgcttttg agccctttgt gctggagacg atggagaaga ttgcggtgcc tggacttgcg 1560
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gctgagaaga tcatcgaggt tctgagcgcc gagcccaccg tggacactct ggcggagatg 1740
taccaatgct tctacgaatc cgtcgaagtg gttggcaaga actgcctcag tccgcagcac 1800
atggaagcgt ttatcgagtc tgccaagtcc aactggagg attaccaggt tcgtgtgaaa 1860
gctcgtcttg aggagcgcg cgatgcgaa gagggtgacg aagaggacct cgactacgag 1920
tacgcggttg aggatgacca gaacctgctg agcgacatga acaaggcctt ccacaccatt 1980
ttctag 1986

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<210> 14049

<211> 294

<212> DNA

<213> A.fumigatus

<400> 14049

```

aaccagggca cgactttcct gccttcatgg caacgcttgc tgccattcta tgacgcattc 60
atcaccagcc aggacccac gcaacggcga tgggctctgt gcatcatgga cgatgtgctc 120
gagttctgcg gccccgagtc atggaattac caggatcaca tcatgcagcc cctggccgca 180
tgtttgcgcg atgagaatgc cgctaaccgg caggccgagg ttacggagt ggggtgtagc 240
gctcacaaag gtggccttgc cctgaagcga cttcgtcgct gccagcatcc ctaa 294

```

<210> 14050

<211> 336

<212> DNA

<213> A.fumigatus

<400> 14050

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aaaactatgt ccatggtatt ctttctatct cgcacaatgc cggtcgaaag gttctcattc 60
attccagaca ttttcgtcga taacgtacac atggagtgtg cgctgtggga tacagccggg 120
caagaagaat tcgatcgatt acgagcactg tcctacgagg atacacatgt tattatgcta 180
tgtttcagcg tgaggctcct gcgccatctg gagggacgaa gattggagac acggcctgac 240
catgtccttc tcttgtgcag gtcgatagcc ctgactcgtt cgaaaatgtg gcgacgaaat 300
ggattgatga gattcgcgag aattgccccg gcgtga 336

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<210> 14051

<211> 231

<212> DNA

<213> A.fumigatus

<400> 14051

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gcttacaatt caatttgtga atgggagatg ttggactcga gtctctttta cggtcgacta 60
atatacagcg ctggtgggcc gcaaaagcat tcagatgtct cgaaaaaagc gcaaacatcc 120
atattccatg ttaacactat gtataaattc ctgagttcgc ctcaatctga atcgacgaag 180
atcgagcctg ggaagctcac tatctctaag ctccagcttc cagagcactg a 231

```

<210> 14052

<211> 273

<212> DNA

<213> A.fumigatus

<400> 14052

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ccatgtcctt ctcttgtgca ggtcgatagc cctgactcgt tcgaaaatgt ggcgacgaaa 60
tggattgatg agattcgcca gaattgcccc ggcgtgaagt tagtcctcac ggcactcaaa 120

```

tgcgatctgc	gaaaagacga	cgagttgaac	gacaacccga	acgccatcac	gttcgaacaa	180
ggatttagcga	aagcaaagga	aatcggcgct	gtaaaatacc	ttggtgagag	actctcccca	240
atgatgagtc	ggcgatcacc	tattgatgct	tga			273

<210> 14053

<211> 789

<212> DNA

<213> A.fumigatus

<400> 14053

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gcagtcgagc	actatcgaga	gctccttacc	tatgttaaata	ccgctgtcac	tcgcaactac	120
tctgaaaagt	caatcaacaa	catgctcgat	tacatcgaaa	aggcttcgga	cgacgacagg	180
gcattttcagt	gcatggaaga	attctactcc	ctaaccctca	actcatttca	gaacacgaac	240
aacgagcgcc	tgtgggtcaa	aacaaatata	aaactggcgc	gcctgtggtt	ggagcgcaag	300
gaatatgggc	aactgagaaa	gaaagtgcgg	gagctgcata	gtgcatgcca	acgagaggat	360
ggctcggatg	atcccagtaa	agggacatat	ttgcttgagt	tgtatgccct	ggagattcag	420
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gtgcgctcgg	ccgtaccgca	ccccaaagata	atgggtatca	tccgcgaatg	tggaggcaaa	540
atgcataatg	gcgaggagaa	ctgggaagag	gctcagagcg	actttttcga	atcattccga	600
aactacgacg	aagcaggctc	gatgcaacga	atccaagttc	tgaataacct	tgtcctcacg	660
acaatgctga	tgaagtctga	catcaacccc	ttcgattcgc	aagagacgaa	gccttacaag	720
aacgaccgcg	gtatctcagc	catgacagat	ttggtcgatg	catttcaacg	ggatgatata	780
catgtcttc						789

<210> 14054

<211> 267

<212> DNA

<213> A.fumigatus

<400> 14054

tatctagaca	cctatctcga	ctctcttctc	tcgaccgcgc	ctctttttcac	aatgtctgac	60
gatgatgact	tcatgcaaga	ctctgggtgac	gaggagtatg	ccacacacat	cctccatgcg	120
acctctgccg	tgctagttaa	tgacgatgat	ctagggtatga	ttttgaatac	gaagacgcag	180
acgaagatga	gtcgggggac	gtcgggaatcg	agaacaaata	ctacaatgcc	aaacagatca	240
agatcgacaa	tccggaggag	gctatag				267

<210> 14055

<211> 417

<212> DNA

<213> A.fumigatus

<400> 14055

tattgtatct	tccttcaggt	tctcgtcagc	ttgtcgaata	tgcaggcggc	cgtctctgat	60
ttgactcgcg	cctatatcaa	ccacaccaac	actgtgctca	atcctagtct	ctctacgctg	120
gacttggggc	acgccagcaa	catcactgct	gcgcttttgg	agaatggatt	gctggggcga	180
cgctccagca	gccctggcgc	caagtccgaa	gttggcgaga	agaagaagcg	caagcgcgct	240
cctccggacc	cgaacgcacc	caagcgtgcc	ctgactcctt	acttcctgta	catgcaacat	300
aaccgcccc	tcattgcgca	ggaattgggc	cccagcgcg	ggcccaagga	tgtctccgac	360
gagggcactc	gtcgttgggc	tgagatgccc	gaggcgcgaga	aagaggtatg	cctatga	417

<210> 14056

<211> 474

<212> DNA

<213> A.fumigatus

<400> 14056

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gtcaaggcct	acaaggcccg	taagccttgg	actgaggatg	acaacaccaa	ggcggccagc	120
cagctccagc	aggacattgc	tggcgcatcg	gcctcgggtg	gcgaaaagtc	cgacgagcag	180
gagcaggagg	aagaagcggg	tgaggacgag	gagacggaag	agtcctctcc	ggagccggta	240
aaggagccca	ctccgccccg	gaacaacaag	cgccgccgca	gcgagggtgaa	gacccctcc	300
aagaggaatg	aatcccccg	gaagaagaag	cgacgctcgg	cgcgcaaggg	caatgaaaag	360
gacaaggatg	atgagccacc	cgcttcgact	cgcaaggctg	ctgctgccgg	cgccgacgcc	420
agcgccaagc	gctccaagaa	gaagcgcaag	agcgagggtg	gcggggatga	gtga	474

<210> 14057

<211> 756

<212> DNA

<213> A.fumigatus

<400> 14057

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aagtcagcac	taaccatttt	gcaccgcgag	ctggacaagc	tcgtcatctc	gcaattggga	120
tttctcgccc	agcgtcgtct	tgcgcgcggg	gtgcggctca	atcatgcaga	ggcagcggta	180
tggatttccc	tcttttctca	ttgcgcgac	cacttaggag	gcttatcgag	gctaattccc	240
gtccaggctc	tcattctcgtc	gaatctgcaa	gaggatatctt	ccccacatcc	gagctggaag	300
ctggatatca	tggttgctta	ctcgcagcag	ctgattcgcg	atggccacta	ctcgggtggcc	360
gatctcatgt	ccatcgccaa	aactatgctc	ggcgcgcgcc	atgttcttcc	ctccgctcgt	420
catactctcg	tcgagctcca	agtcgaagga	acgttcccca	ccggcacata	cctcgtgacc	480
gtccaccatc	ccatcagcag	cgatgacggc	gacctagaga	aagcgttgta	cggcagcttc	540
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aagatgccag	gtgctgtcct	gccagtgaag	aacgaacgga	ttactctgaa	cgatggccgc	660
aagcgcatcc	gactgaaggt	gatgagcaag	ggcgatcgcc	caatccaggt	tcgttcggtg	720
cctttccaca	cacatacgcg	caacaagggg	ttttga			756

<210> 14058

<211> 1116

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1110)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14058

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gcctacggat	accggctcga	tatcccccg	gggacttcgg	tacgattcga	accgggtgac	120
accaagacgg	tcacgctggt	cgagattgca	ggcaatcgca	ttatcaaggg	cggcaactcc	180
attgcttcgg	gcaagggtga	tatcagtcga	gccgaggaga	tcctgcagcg	cttgcaggtc	240
gagggtttcg	ctcacgttcc	tgaaccccg	ccgaccgcgg	acagtgcgct	gatcgcgcct	300
ttcacaatgg	atcgccaagc	ttatgcgcgg	atgtttggac	ccaccaccgg	ggacctggtc	360
cgattggggg	tgaccaacct	ttgggtgcgg	gtggaaaagg	actgtacggt	ttatggagat	420
gagtgcgcgt	tcggcggcgg	caagaccctt	cgcgagggca	tgggccagtc	ctcggagagg	480
tccgcaaccg	aatgtctgga	caccgtcatt	acgaatgcgc	tgatcatcga	ctggagcggg	540
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aatcccagata	tgatggacgg	cgtgcacccg	gacatgatcg	tgggctcgtc	gaccgatgtc	660
attgctggag	aaaacaagat	cgtgacggcc	ggtggatttg	ataccacat	tcactttatc	720
tgcctcagc	aggtggacga	agcgcttgct	tctggcatca	ccacattttt	gggcggaggg	780
accggtccgt	cgacgggcac	gaacgcgacg	acctgcacgc	cgggaccac	gctcatgcgc	840
cagatgattc	aggcgtgcga	cggctctccc	atcaacgtgg	ggatcaccgg	caagggtaat	900

gacagcggtg	gcaagagtat	tgaggagcag	attcgtgccg	gagcggccgg	cttgaagttg	960
cacgaggact	gggggtcaac	cccggctgcg	atcgacacct	gcctggacat	gtgcgacaaa	1020
ttcgacgttc	aatgcatgat	ccatacggac	acactgaatg	aatccggctt	ttcttacacc	1080
gacggggctc	gaaggaaacg	cgtaaatgcn	ctctag			1116

<210> 14059

<211> 1101

<212> DNA

<213> A.fumigatus

<400> 14059

ccccagtc	tcggtgcaact	tcaagccggc	cgctccggca	cgaatctgct	cctcaatact	60
cttgccaccg	ctgtcattac	ccttgccggg	gatccccacg	ttgatcggga	gaccgtcgca	120
cgctgaatc	atctggcgca	tgagcgtggg	tcccggcgtg	caggctcgctg	cgcttcgtgc	180
cgctcgacgga	cgggtccctc	cgccccaaaa	tgtggtgatg	ccagaagcaa	gcgcttcgtc	240
cacctgctga	gggcagataa	agtgaatgtg	ggtatcaa	ccaccggccg	tcacgatctt	300
gttttctcca	gcaatgacat	cggctcgacga	gcccacgatc	atgtccggat	gcacgccgtc	360
catcatatcg	ggattgccag	ccttgccgat	agccgagatc	agcccattct	tgataccgat	420
gtcagccttg	tagattccgc	tccagtcgat	gatcagcgca	ttcgtaatga	cgggtgtccag	480
acattcgggt	gcggacctct	ccgaggactg	gcccattgcc	tcggaagg	tcttgccgcc	540
gccgaacg	cactcatctc	cataaaccgt	acagtccttt	tccaccgcga	cccaaagggt	600
ggtcaacccc	aatcggacca	ggtccccggg	ggtgggtcca	aacatccg	cataagcttc	660
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cgtgaccgtc	ttggtgtcac	cgggttcgaa	tcgtaccgaa	gtccccgcg	ggatatcgag	900
ccggtatccg	taggcccgc	gacggtcaaa	atgaagctga	gggttggtct	cgatgaagtg	960
atagtgggat	ccgacctatt	cgcagtcaaa	aacccttggt	gcgcgtatgt	gtgtggaaag	1020
gcaacgaacg	aacctggatt	gggcgatcgc	ccttgctcat	caccttcagt	cggatgcgct	1080
tgcgccatc	gttcagagta	a				1101

<210> 14060

<211> 582

<212> DNA

<213> A.fumigatus

<400> 14060

tgcttcttgc	cgtctttttc	attcaggcag	cgttcaacgc	atggcaggac	tggtcgtcct	60
cccaggtcat	ggcatctatt	acggggccatg	ctgccagaaa	gctgtctggt	catgcgtggt	120
ggtcactccc	gtcgatatct	ccggatat	tgcgggtga	tgttggtcat	ctcaaggcgg	180
gcaataaact	cccagcagat	gtccgctttg	tcgaggtctc	gaatgatgca	tgctttgacc	240
gatcgatact	caccgcctag	tgctgtccgg	tcacatgtgt	ctcaggcgtg	ttgcttacga	300
acggcaggcg	aatcgcttcc	tatcaacggg	acggtggacc	caacagatga	aaactacctc	360
gagactcaca	acgtcggact	tcaaggcacg	cattgcgtct	cgggaagtgt	tacgggcatt	420
gtcgtgtcca	ccggagacgc	aacggtgttt	ggtcgaatcg	caaaactcac	gagtgaacgc	480
aagacgggct	tgacaacct	ggagaaggaa	gtcttacggg	ttgtcgtctc	tatcgtgttg	540
attatgctga	ccatgattat	cgtcattatt	attgtctggt	aa		582

<210> 14061

<211> 312

<212> DNA

<213> A.fumigatus

<400> 14061

catgtcaata	gggctacctg	gctgcgacgc	gatcaccggg	gctggatcaa	cgttccaacg	60
ctgatagtgg	aatgcgtcag	cgttgccatt	gcctttatcc	ctgaaggctt	gccgattgct	120

ctgactgcc	acttgaccat	cactgccaa	ctgatgagca	agaataagat	tctgtgcaag	180
tcgctcaaga	cagtggagac	ccttggctcg	gtgtcagtga	tctgttccga	caaaaccggt	240
actttgacca	aggtaattat	gcatgctaac	cgatcgaata	ctccgatcct	ggccccaaga	300
atcctccgct	ga					312

<210> 14062

<211> 273

<212> DNA

<213> A.fumigatus

<400> 14062

acagcagagt	cgactgtagt	gggggctcaa	ccagagaaat	ctatctggtt	ggtagttaaa	60
gcctcaagca	tggacgactc	gatcaataac	gtcgtctctt	tccaacagaa	agaaaacaag	120
gttgacagata	aggccccgtc	gcagctcaat	cattgggtgg	aatttttctt	tgaacttcgc	180
gaagagggat	ttattgacgt	ctcaggaagc	ttgaactggg	atctcagcca	ccaccgacac	240
agctgttggc	taaagagcta	tggctatcgt	taa			273

<210> 14063

<211> 549

<212> DNA

<213> A.fumigatus

<400> 14063

atctcagatc	tttcccatct	cgactggcat	accatcgccg	tccaagaact	ccagaaacga	60
tggcaggtag	acatctcgca	gggtctctcc	ccgaatcagg	tccaggaacg	gctccatcaa	120
tacggcaaaa	atgcgctctc	ccctttgccg	caccaatggg	tctggcagat	attcggctac	180
ttcttcaagg	gattcgggtg	aattctcctg	gttggatgta	ttctagtctt	tatttctctg	240
aaacccctcg	gtcaaccgcc	agctctggca	aatcttgccc	tagcgatagt	gcttcttgcc	300
gtctttttca	ttcaggcgag	gttcaacgca	tggcaggact	ggcgtctctc	ccgagtcagt	360
gcattctatta	cgggccatgc	tgccagaaag	ctgtctgggc	atgcgtgggt	gtcactcccg	420
tcgatatctc	cggatattgt	gccgggtgat	gttgtgcata	tcaaggcggg	caataaaactc	480
ccagcagatg	tccgctttgt	cgagggtctg	aatgatgcata	gctttgaccg	atcgatactc	540
accgcctag						549

<210> 14064

<211> 465

<212> DNA

<213> A.fumigatus

<400> 14064

ttatgcatgc	taaccgatcg	aatactccga	tcttggcccc	aagaatcctc	cgctgactgt	60
cagcagaaca	gaatgcttgt	caccgactgt	gcggtttcca	tctccacggt	cactttggac	120
ggagcgagag	atgaaatggt	cctaaaagga	aaagcctcgg	cgattcatca	acttcgtgcg	180
gttgctgggc	tctgcaacgc	cgccgagttt	gacgcggcca	ccatgaatct	gcccgttcac	240
gggcgaaaag	tcatcggtga	tgctaccgac	caggcgattc	tacgattctc	cgaagaactg	300
ggccccgtcg	ccgagctgcg	tagcatgtgg	aagaagacat	acgatcttgc	cttcaacagc	360
aagaacaagt	tcatgggtcg	cacgttcgat	ctggtggaca	gggcaggact	cggccacgcc	420
atgtcgcccc	ctgagtcggc	ccaatttggt	catgatgata	cgtga		465

<210> 14065

<211> 234

<212> DNA

<213> A.fumigatus

<400> 14065

tgtgtggtct	tggaacgggg	aagacctaat	tccagtagaa	aaaaccgatt	ttttgaattg	60
------------	------------	------------	------------	------------	------------	----

ttggcgctac	tgatgggtggg	agacaccgga	gagacggatt	ttgccaaact	ctgtctccta	120
agcgatcgag	gatggagtat	gtttatgact	actctgtgag	aagtagatcc	aagctatatg	180
ggtatgattt	acgtttctaa	tagatgtgag	ctgtttattt	tgctgatgac	atag	234

<210> 14066

<211> 207

<212> DNA

<213> A.fumigatus

<400> 14066

gactcgagag	tgaaagtgg	gagtggttat	cgggtgctga	agcatatcat	actaaaacag	60
ctacctgtta	gcaggccaga	caattcagag	gatcaatggg	tacgttacgt	tactgtcatg	120
cgccgactgc	acgatctggg	tggtgatggg	tatgggtacg	ttgctttcat	gttgaccaac	180
gcagaatgag	ggggccaaat	cttctga				207

<210> 14067

<211> 198

<212> DNA

<213> A.fumigatus

<400> 14067

caaaagccac	cgctgtggcg	gcgacacctg	cctatctggg	ttagactact	tctcgccaaa	60
attattattc	tgccgcgcga	taattattca	agtaagatta	tgattgaatt	cgccgcgaga	120
ggcgatctca	ttcaactgtg	taactccact	catttgcaga	actcagatcg	ctatggctga	180
ttcacgctca	gactctga					198

<210> 14068

<211> 978

<212> DNA

<213> A.fumigatus

<400> 14068

ctgtcatggt	caagggatga	gtttctgcag	ctttaccagc	agtcaccagat	cctagtcttt	60
gtcgggtgaga	ctggctccgg	aaagactaca	cagatccctc	agttcgtctt	gtacgatgat	120
ttaccgcaaa	cccagcgcaa	gatggctcgt	tgtactcaac	ctcgtcgagt	tgctgccatg	180
tccgttgccg	agcgtgtggc	tgctgaattg	gatgttaagc	ttggagagga	agttgggttac	240
agtatccgtt	tcgaggacat	gacaagttcc	aagacctgct	tgaaatatat	gacggatggg	300
atgcttctga	gagaagctat	gcatgatcat	gaccttacac	gctacagcac	aatcattctt	360
gacgaagctc	acgaaagaac	catggctacc	gatgtgctta	tggtgtctct	caaagaagtt	420
gtgcagcgtc	ggcccgattt	gaagattatc	atcatgtccg	ccaccttgga	tgacacaaaag	480
ttccagcgat	atttcaacga	cgctcctcta	cttgccgttc	ccggctcgta	tcaccccgtc	540
gagatgttgt	atactcccga	accggaacaa	gatgatgtag	aagcagccat	tcgcacgatc	600
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gaaatcgaag	aagctgcgcg	caagatatcg	cttgaggagg	acgagatgga	gagagaagcc	720
gacgctggtc	ccttgaaagt	ctatccgctt	aacggcagtc	tgccctccgca	catgcagcag	780
cgtatattgg	agcccgtctc	tccccatcgc	aggccaggcg	gtcgtcctgg	ccgtaagggtg	840
attgtttcaa	caaacatcgc	agaaacgtct	cttaccatcg	acggaatcgt	gtacgtgggtg	900
gatccgggat	tctcgaaaca	gaagatgtac	aacccccgaa	ttcgggtcga	gtcacttgtg	960
gtgtctccca	gtcttcac					978

<210> 14069

<211> 381

<212> DNA

<213> A.fumigatus

<400> 14069

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cagatcgcta	tggtcgattc	acgctcagac	tctgaagatc	gctcgcgtgc	taagcgccag	120
aagatggaca	agtcagagac	ggatcccagg	aacaatcctt	acctggctca	tatgtatgcg	180
gatgcgtcta	ccaacggcaa	ctctagctcg	tcagggacga	atcctgcttt	cggaagtgtg	240
aagagacatc	agacgacagc	ggcacttgca	aaggaagtag	aggatgggga	gattaatcct	300
cttaccggcc	gacctttctc	cagcaagtac	ttctctatct	tcgagactcg	tcgtgatctt	360
ccagtgcacc	aacagaggta	a				381

<210> 14070

<211> 201

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (130)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14070

ccgacagcac	tatccttacc	aaaacaactt	cctcccatgt	ccgtccagtc	tcgctggcat	60
tccgagccgg	ttcacttgct	taccatggat	gccaataactt	ttattaagaa	ccagaagggc	120
taccctgtcn	tatcaaaaagc	acaccaggca	ttgatttcca	agttcatgcg	tcttcggacg	180
cccccgtaga	ttctcctatg	a				201

<210> 14071

<211> 1218

<212> DNA

<213> A.fumigatus

<400> 14071

gacgttggcc	cgattccggg	agtagaggca	agtgagacgt	ctgaggcgac	gcagtcgaac	60
ttgtccagct	ctgaatatcc	aagtctttcg	caagccggcg	tctcgagcaa	gaagttcatt	120
gatccgacac	ctcatttgtc	atatatcaga	aatctccagc	aacgccaacc	acctcgctct	180
gcgatcgaga	gatttggcat	gggctatcaa	gactacctcc	aggcgccact	tcagcccttg	240
acggatcaac	tggagagcat	cacgtatgaa	gtttttgaga	aggaccctat	caagtatgag	300
tggtatgaga	gagccatcgc	gaaagccctc	agcgactggg	ccgagcagaa	gaagcctacc	360
tctaaccggg	atggtcgggt	agtactcgct	gttgtgggcg	ccggcagagg	gccgttggtg	420
acacgagcga	tccgagcaag	cgctgaaacc	ggcgtcgata	tcgacctttg	ggtcgtagag	480
aataatccca	acgcgtttgt	cctccttcaa	cgccacaatg	aggaaactctg	gggcggcaag	540
gcaactctcg	tccagtcgga	tatgcggagc	tggaaaggctc	cccaaagggc	gaaagattcc	600
ggcttaccac	cggccgcagt	tggacactcg	ctcggtattg	aggattcgct	tctctataaa	660
ccagaaccag	atcaaaaagg	caacacgccc	gctcctgagt	cagtgaagag	catggcatcg	720
tccgacctgt	cttctggtat	gatcgatatt	gtggtctcag	agcttctcgg	atccttcggg	780
gacaatgaac	tgtcgccgga	atgtctggac	ggtatcactc	atttactcaa	ccctgtgcac	840
ggcatctcca	tcccggcctc	atacacggcc	cacctcacac	cgatttcggc	ccctaagctg	900
catgctggag	ttgtgaacct	atctatatcg	aatccagcgg	cctcggagac	accgtacgtt	960
gtcatgctac	atgccatcga	cttcttgtcc	acgaatcagt	cgtctgccgg	tacgacgtcg	1020
ggcgacagcg	gcaacagcta	catcagtcaa	actcgatcct	ctatatcgac	catcccagtg	1080
cctgagtcta	caacccttta	tgtgcagacc	gcatggtcct	tctcgcatcc	caacagagat	1140
attcctcccc	agtcgcccga	tacttccatc	atctctaact	cacatctgcc	cgacggggca	1200
tggaagatca	cgcgatgc					1218

<210> 14072

<211> 681

<212> DNA

<213> A.fumigatus

<400> 14072

tatgatatgc	ttacgacacc	gataaccact	cctcactttc	actctcgagt	cctaagtcctg	60
ctctctgggc	acttgtctaa	gttgcgggca	gtatcgccg	atcccaatgg	tactctggca	120
acaactgaga	atacgagacc	tgtgatcatc	cctccacttg	gcccacaga	cactcatctc	180
accccggaacc	aaacgatgag	ccagttgatg	ggcgctacta	gcccttggat	tgacctttgt	240
tcccccgatc	cattgattgc	agatatctcc	cgtcaagttc	ttatgttaga	agtggcatat	300
gcagctttct	gcggcattgg	ctatgtccta	atcccgggac	cgaagctcca	ccatggaaat	360
ctgcactcag	aaggcttggg	tttctacg	agagcagttc	aagatgccat	taacttgggt	420
ccatatattc	agtttcatat	ctggctgaga	attgtggaca	accagattt	ggaagtggat	480
agtatggg	acctcgctcc	tcttgcccg	gatgagttcc	tctggggttc	cgatgatggg	540
cagtcgctca	aggtggacct	gtttggaacg	tgggatgctt	gggacgtaat	tagaagaacc	600
tgtaaataatc	acacgagact	cttcgtaggt	aagaatttat	ttcccgtttc	tgcagccctt	660
gatgcgttct	tacatctgtg	a				681

<210> 14073

<211> 369

<212> DNA

<213> A.fumigatus

<400> 14073

aactcgagta	tagtcgtata	taaagactgg	ggagtggccg	atgtgctttg	ctgtgacgaa	60
gcaaccaagg	cgcaaatgaa	gtatttcaaa	atcctcctcg	ggcttctgcc	cacagcgctg	120
gccgactcta	tctatgtctc	tcccacagga	tccagcagtg	gctcagggag	catcacctcc	180
cctctgaact	ccattcaatc	cgctgtcgac	ctcgcaaagc	caggcgatac	catctacctt	240
cgcgggggaa	cgtactcgcc	caccagcaac	atccagatca	ccaagagcgg	aacatcgagc	300
aagccataca	tcctgcgcgc	ctacgagggc	gagaaggcca	ttatcgatgg	agaagctctg	360
ccagggtag						369

<210> 14074

<211> 216

<212> DNA

<213> A.fumigatus

<400> 14074

ggaaatgaaa	atagaacacc	agcaccctc	gacgcctctc	tccccaacga	agatcgcggt	60
atcctccaca	tccaaaacgc	taattattgg	cagttctacg	acctcgagct	gatccacggc	120
ccgtacggcg	tgtatgcgcg	cgatgcatcc	aacaatcact	acgagcggct	tatcaccagg	180
gataactacg	agactgggtat	tggccactgc	ctgtag			216

<210> 14075

<211> 468

<212> DNA

<213> A.fumigatus

<400> 14075

ctttgtagat	ggggtttctc	ccccttcgaa	ggcgacggca	acgggttcaa	actcggcggc	60
ggagacgcag	cggataaggg	ccctgcgaac	catgttatta	ccaactgcat	tgcttttggc	120
aacgtcaagg	acggcttcac	ggataactcg	cagccggg	atttcacgct	ccgcgcgaac	180
acggcgtgga	ataatgccaa	ggtgggcttc	aagttcaaca	cagctgtagc	tacgctcaat	240
gggaatgttg	ccgcggttaa	tggggagagc	gcgacagcct	tgagttcgaa	tcagatttcc	300
tccgggaatt	cctgggatgg	aagtgcgtcg	tggtcgaata	gtagcttcaa	aagtgtggat	360
gtgagtctag	tgacgggtgc	tagacaggca	gatgggagga	tcaaggccag	tgatttcttg	420
ctgccaaagt	ccggggaggc	gatgggagcg	accactgttt	gggagtaa		468

<210> 14076

<211> 330
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (37), (61), (70), (72), (81), (149)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14076
 attttcgcta ttggcttcgc cagacataaa acgggtnttc ttcggaagt tgcccaatgc 60
 ngtagtcaan gnggggtcct ncatctcgtc cacacccgga ttgcgcatca tgtccagcag 120
 ccgtttatca aaaattcctt cgaatatntt gacttgccgc tggaaaagaa actcgagatc 180
 gaaatgttca acagcaagca tttcttgggc tattcccgcc tcggtgcgga gacgactgcc 240
 tccaaaaccg actaccggga gcagttcgat gtaagttccc acctactaca atcaccaaga 300
 catgcactta gtagactaac ggtaggatag 330

<210> 14077
 <211> 789
 <212> DNA
 <213> A.fumigatus

<400> 14077
 tttgctacgg aacttcgggc tccgggaccg gatgagcccg tctacagaaa cattcgggga 60
 ccaaaccaat ggccggctga agcctccatc cggggcttcc ggaaagccat cgaagcctac 120
 ctggctgaaa tcagtcctct ggccgaggcc ttcaagtccc tcatcgcaga agcgtctggat 180
 ctccccctcaa acgctctcta ccccttcttc gaccaccctc cccagcacia actcaaactc 240
 atcaaatatc cccacccag aagcgcatcc caggcgcaag gcgtcggcgc gcacaaggac 300
 tcggagtttc tgaccttcct cctgcaggcg acccctcact cggggcttga agtgcagaac 360
 aagtcggggg attggattcc agcaccggcg ctggacgggt cgctgggtgt gaattattgga 420
 cgggccctcg aggcagtcac ggggggagtg tgcacggcca ctacgcctcg agtcaatcta 480
 cgaccggaga attttataga tgcagaagga aagccactgg ggccctcggtt ctcccttccg 540
 gtttttcagg ggatgagtct cgagctgtgt gcggacgata tccacttga tatccggcg 600
 catattaggg agctagtcaa ggatgagcag gttcggtcgg atgcggaggc tacatttaac 660
 aaaacgtttc agggaaagac aggtgaggga acgctgatcc atcggtcac gactcatcag 720
 gatgtgggac ggcggtggta tccggagtta ttggactggg cgctgaaaga gaggcaagggt 780
 agccattga 789

<210> 14078
 <211> 579
 <212> DNA
 <213> A.fumigatus

<400> 14078
 ctacgagact ggtattggcc actgcctgta gatttgcagc aaacattgct gaccagggac 60
 ctaggcttcc aactgcaggg cgcctcctcg aataataaag tcctctatct cgactcctac 120
 ggcaacagag acccccgcaa gaacggcgag agcgccgacg ggttcgcctg caaggagggc 180
 tcgggagagg gcaatctcct caaggcgcg aggtctgtga ataattgctga tgacgggctg 240
 gatctgtggg agttcaagtc tgcggtgacg atcgaggata ctatctcctg ggggaatgga 300
 tataatcggg acgctgccac ttgttctctg gttaagggtg acgcagctga cttttagat 360
 ggggtttctc ccccttcgaa ggcgacggca acgggttcaa actcggcggc ggagacgcag 420
 cggataaggg ccctgcgaac tctgttatta ccaactgcat tgcctttggc aacgtcaagg 480
 acggcttcac ggataactcg cagccggcg atttccagct ccgccgcaac acggcggtgga 540
 ataatgccaa ggtgggcttc aagttcaaca cagctgtag 579

<210> 14079

<211> 189
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (32)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14079
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 ttctctggggc cgctctcctt cactttctct tcccgcacat tcatcatcat catcatcatc 120
 atcatcatca tcatcatctt cccctttatc tccttcaccc agcgcggggac ggagcgaaaa 180
 gaaggatga 189

<210> 14080
 <211> 2964
 <212> DNA
 <213> A.fumigatus

<400> 14080
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<211> 3393

<212> DNA

<213> A.fumigatus

<400> 14081

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<210> 14082

<211> 567

<212> DNA

<213> A.fumigatus

<400> 14082

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<210> 14083

<211> 3468

<212> DNA

<213> A.fumigatus

<400> 14083

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<211> 531

<212> DNA

<213> A.fumigatus

<400> 14084

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<211> 255

<212> DNA

<213> A.fumigatus

<400> 14085

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<210> 14086

<211> 510

<212> DNA

<213> A.fumigatus

<400> 14086

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<210> 14087

<211> 249

<212> DNA

<213> A.fumigatus

<400> 14087

gcacgtggtg	atgtatgtat	tcagattacc	agtggacagc	tttcatgcaa	tcaaatttac	60
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ctggtccaga	tacatgagct	atcgaaatat	aagaccacta	ggctaaaaag	atgtctggac	180
atgaatccta	tcagtctagg	ttcttatata	tttcagcatg	aacggtccgg	acctttcaag	240
cttcagtga						249

<210> 14088

<211> 414

<212> DNA

<213> A.fumigatus

<400> 14088

agacattcgc	tcgccctgac	gcagctttctc	gacttcaacg	gccccgatac	ccagccaccc	60
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cttgcggaag	gtactgaggg	tgatcccaac	gacccccgca	gcggcgatta	tctcatttac	180
tggacaacg	cgccgaacgc	caagtacgat	gggctgagc	cgccagagaa	cgaacgccga	240
cgacattggg	aaacctcaga	cgtgatccat	aaaatcaaca	tccgggactt	tgtgcccag	300
cacttgcatt	ccctcatcgt	ggggtgcggt	ggtgagcagc	ggttccagga	agagtggctc	360
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<210> 14089

<211> 855

<212> DNA

<213> A.fumigatus

<400> 14089

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cctattgcct	ggcagcaggg	cgataccgtc	tcacaaaccg	tagacgcctt	ccgagctctg	180
gctgagcggt	atttgccaca	aagtgaacga	gtcacggcta	ttgaagctct	taacgaaccc	240
aacatcccag	gcggaagtcag	tgaggctggg	ttgagaaatt	actacaacca	gattgaggat	300
gttgtgcgcc	aaattgatcc	agacacttct	gttttcctga	gcgatggctt	tttgtcgacg	360
gaatcttggg	acggattcaa	gacgggtgag	gatgtggtca	tggatacaca	ccactatgag	420
atgttttgata	actacctgat	cagcctggat	atcgacggcc	acgtgaagtc	tgcattgcgac	480
ttcggcaagc	agattgaagg	gtcggataaa	ccagttgtcg	ttggagaatg	gtcaggtgct	540
gtcacagact	gcacgaagca	cctgaatggc	aagggtgtct	ccacgcgata	tcaaggagag	600
tacgccaaca	acgtgaagta	cggatgattgc	gcaaacacaa	ctcagggctc	ggtggcagat	660
ctttccgacc	aggagaggac	tgatactcga	cgattcatcg	aggcccagct	cgatgcctat	720
gaaggaaaaa	atggctggct	attctggact	tgggaagaccg	aaggggcgcc	cggatgggat	780
atgcaggact	tgcttgctaa	cgggtgtctc	cccagccctc	tgacggacag	gcagtttccg	840
aaccaatgtg	cctaa					855

<210> 14090

<211> 531

<212> DNA

<213> A.fumigatus

<400> 14090

atcgtgagtt	ttcatagcaa	atgctggata	agatttgctg	actgtaaatc	taggcgcggt	60
gtgtcaagag	cttccacatt	cgactacaac	ggcatcgctc	gcggtgtcaa	cattggtggc	120
tggcttgtag	ttgagccatg	gattacgcct	tcgatctttg	acaacgctgg	agatgctgct	180
gttgacgagt	ggacgttgac	cgtactcta	ggacaggatc	aagccaaggc	tgttctatct	240
caacattggg	cgactttcat	tactcaggat	gacttccagc	agatcgccca	agcgggtatg	300
aatcatgtcc	gcatccccat	tggatactgg	gcggtgagtt	ctcttcctga	tgagccgtac	360
gtggacggcc	agctggaata	tctcgacaat	gcaatctcct	gggccaggga	ggctggcctg	420
aaggttgtga	tcgatcttca	tgggtggttaag	tggcgaagaa	atgttggttgc	aagtcgcatg	480
cgaagctcat	atgtcccccg	aaacagcccc	aggatcccag	aatggctttg	a	531

<210> 14091

<211> 1143

<212> DNA

<213> A.fumigatus

<400> 14091

caagttatga	cagaccgctt	tgctcgtcca	gcgggctcat	ctgacgcacc	ttgtgacccc	60
gaaaggtagt	gcggaggctc	gtggactggc	atcattgaca	agctcgacta	catccaggac	120
ctcggattca	ccgccattca	aatctcgccg	gtcgtggaaa	acatcccaga	caataccaag	180
tacggcgaag	cataccatgg	atactggccc	aagaatctgt	atgctctcaa	tgaacacttt	240

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gggaccgcag atgagcttcg cagattagtg agcgaggtcc atcgacgaga catgtaccta 300
attgtttgatg ttatgatcaa tgatatggct caagctgtca atggctccat gaaagatgac 360
ccgtcgctaa agattgacta ttcccagctc ttccctttg acgatgagaa gtactatcat 420
cctttctgtg ccatcacgga ttggactgat cctaaaatat acaagaattg ctggtttgcc 480
gtggaaacgg ttgccctccc ggatctgaac acaggagatg cctccgtcgc cacaatgac 540
ggagattgga tcaagcaatt tgttggtaac tattctattg acggactccg cattgacgct 600
gcaactgcaca tggatgacga ctatgtcgag ggcttctcca aggcggctgg tttattcacg 660
ataggcgaag tcagcaacgg agacacaagc ctggtgtgca aatacgaaaa tttggtttct 720
agcgtcctga attatccact atattacgcc ttgatccaag ccttcacagc gggcaatatg 780
cttggactcg ctgaaagtat ccgagccgtg caaaaggact gcaaggattt cacgcttctg 840
gaaacgttcg tcgagaatca cgatctccct cgccttgctg cactgaccaa tgacaccacc 900
gtagggtttg atgattgcac cagacatttt acatcagctg acagatacga attagttggc 960
aaagaacgcg atggctttca acatactctc agatggcatc cccaaggca cgttcctcga 1020
catgaccagc gcggtcccca ggcagcgctt atagacacaa ccagtatacc aaggccaaga 1080
gcagcacatg tcgggcaact atacgccttt caaccgaggc gccctttgga caacgaacta 1140
tga

```

<210> 14092

<211> 309

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (160), (265), (271)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14092

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acacaaccag tataccaagg ccaagagcag cacatgtcgg gcaactatac gcctttcaac 60
cgaggcgccc ttgggacaac gaactatgat accacgagcc cgctattcaa gtcaccgca 120
acgctcaaca agctccacaa ccatgccctt agcatcgacn accactatgt gaccaaccct 180
agcatagagc ttcattccga caactccaac gtacgccacc aaggaaaggc cgcgagggat 240
tgcaggctgg tttcagtcct ccanaacca ntggcaccaa tgggtgggtaa attaccaact 300
tgccgttga

```

<210> 14093

<211> 1488

<212> DNA

<213> *A.fumigatus*

<400> 14093

```

gaatatctcg gattttctctc atgggcaact cccttcctct actccatctc cttttctctt 60
aaaagccctt ctgccagatt tcccacatct tcaaataacg atatgaccga gccaacacat 120
attatagata cggaaggaga agtgattatc ttcttaaaat gtccggaatc tccgtttgca 180
ccatggaatg acgatgtggc ggagccggaa ccgttaaaga gccatggcga tgtgcaaaaa 240
agggacaatg gcgacaacgc tactcaggaa ggatttaaca agaaagtaac gaagaagaga 300
ctgaagaaaa agaataagag gggaaatcca atgcccctcc agtcagaaat ggacgaatcg 360
gccgacaacc ctgctggaac tccagagccg gctgacacag ctatggtgtc tgctgatgag 420
acagttgatg acagtgttac tgagtcggcc aatgggccta ccaactgagcc tttggaggag 480
caacttcaag aagcacagcc aaatgcctca cttgatggcc ctagagaaaa tgggaagtga 540
atagactgcg aaggtgccct gcaggaacct gcgagcgatg tgcataatgc aggggattgc 600
ttccgcctcc aagtatccgc gaagcatttg actctggcct caccatctt taaggagacg 660
cttagtggag gttggaaaga aggccttcgt ttgcttaagg aagggtcggt agagatccct 720
atacgcgatt gggatctcga ggcgtttctg atcttgatgg atatttttca ctgtcaagcc 780
cagaacctac cccgggaaat atgcctggag ttgcttgcca agattgccgt tttagcagac 840
tgttaccaat gccagccact ggtgcgattc ttcccgaaa tatggatcgg ccaactaaga 900

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agaaaaatct ttcccacat atattcccg gattcaatgc tctgggtgtg ggtctcgtgg 960
aacttcagac aactctttga gtttgagaaa tcaacatcca ttgctatctc ccaaagtaac 1020
ggtttgatta caagtctcga cttgccgatt ccagcgaaaag tcattagtaa gtgtcaagcc 1080
ctttatccgc gagaacctat cataacagct cccgtaggtg aaatgaatag gcgcaggaat 1140
gacgcaatct ccgccgtcct ctcatcgctc gcggaactac gggacgcttt tctagatggg 1200
agtcgaggat gctgttttga atgtagctcg atcatgttgg gagctcttac aaaacacatg 1260
caacttgtag agactgtgcg tccagagcct gcagccctt tccaggtct gagttactgc 1320
caacttgtag agactgtgcg tggctttagg tctccacaat ggcactctga ttcaggctac 1380
tcgagatact cctggcatac ttgtggggag gcaccccttt cttctctgat aactgtaccg 1440
gagacttacg tcaaaggatt gagtttgatt gctttttcat ttccttag 1488

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<210> 14094

<211> 231

<212> DNA

<213> A.fumigatus

<400> 14094

```

ggcagaagag ctgggagttc aagtgatgga gacgacgaag aagggtgctg gtgcggagca 60
tccctacact ctgaccacca tgccaacctg gcgtttactt ggaaagagca gggccgcac 120
gcggaagccc ttgccctaata gaacgactgt gtacagctac agtcaaaaat tctaggcggt 180
gaccatcccc atactctcat cctctgctac attgatcgat tggcagactg a 231

```

<210> 14095

<211> 456

<212> DNA

<213> A.fumigatus

<400> 14095

```

atgcggaatt tcccacagga gagtatgaga attggatgca gtgtcaagta cttttccgc 60
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gcagtgtgca aggcggcggt gtacgacatg cagaaaggca atggggctga gggggagaga 180
ctgtcgggtca aagcaatgga agctctgaca aagcatctag gtccagaaca tgaagatacg 240
ctagaaagtg ggcatatggt ggggtttaata tatacgcttg aggatcgacg gaaagaggca 300
gaagagctgc aaatgcaggat gatgaagatg aggaagaagt tgctgtgtgt ggagcatcct 360
gacactctgg tcagcatggg caacctggcg tggacgtata ggaatcaagg aatcaagggc 420
gatggaatga ggcagaagag ctgggagttc aagtga 456

```

<210> 14096

<211> 1665

<212> DNA

<213> A.fumigatus

<400> 14096

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tggccaggcg acataggctc gcaagaagga agctcggacg atgaaatgga agacgctctg 60
agagacgcag acgaggcagg gaatgataat gatgccgatg gagacgccga ggcgatcaa 120
gatgcggaag gcccgctcga taccagccac gcacccgaag ggccctggtat cgcactcaa 180
gccaatcccc atatgccagt gacctccctt gactccacaa acatcatttc cgacttgacc 240
tccgtctttc accctccagt tcgtccggaa tgtctaacag catccactta cgacatagta 300
ccaaccagg ccgcacctca cagtacatcc ataaatgcag taacagcgac agccgacatg 360
cgatgggtgt ttagtggagg gtctgatgga tatgtgcgaa agttcaattg ggtggattcg 420
atcaacagca aactgatgct gaccgtggcg caacgacatc ccttcgtcga tagcgtaagt 480
aaggcggggc tggtgatgac atattgggag tgcattggat gcaatgcagt gtcaccagtc 540
tattctctag ccagccatag cgaaggccta tggctattat cgggggttgg gtcaggcagt 600
atccgtctgc agtcagttcg tcatgatgag ggaaaagaga ttgctctcct gcaacagcat 660
acttcggccg tctcgggtact gcaactcacc ccagacgaga agtccttgct atctggtagt 720
tgggacaagc gagtggttga ctgggatttg aatactggac agacgcggcg tgtcttcggt 780

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gccagcgccg ggcaaatgtc ggcgatcgag attcgggccag aatccacaat cctgttcca      840
acagatacat tagagctacc tcagacgaat ggcacctact catcaaacta tcatgccagc      900
ggaactgaca gcttcaattt catggataca tcgaacgatt taggtgaagg tggcgctgct      960
gcaaatgttc aggcgggatc cccagcagat tctactcttt gcgcccgcga ttcattattc     1020
ggagatgcag atggcggggg tgggtgaagg gggggtgcat cgggaaacgc gtttggataa     1080
gacgaggatg atgagttcgg caaagctctt gccaacggca ttcttccgga tgctgatgcc     1140
gatgcagatg caccgcggcg gcccgacgtg atggatcaac aaaatgggac tacagagggc     1200
aacgcaagtg cagacgctac catgacgaac ccaaagagcg aatctctgga cactagtata     1260
aatgctccgt cgcaaccagt gacgaacggc ctaccacacg cggaagaatt aaagccacct     1320
tcacagggcg aggagtctgc tgcatacaac caacaagagt cgagtgtagt aacagaccac     1380
acattccttg ccgcatccat cgacggcaca atcagagtat gggacagacg gcaagcagac     1440
cccattgctc ggatcacacc ctataactct ccaccttggg gcatgaatgc atgctggtct     1500
ccggacggga attatattta tgcagggcgt cgaaatggaa ctgtggagga attcagtctc     1560
cataaagggt tacgagagcc tgagaggacc ttcaaatttc cccagggcag tggaccgggtg     1620
acagcgctca aagcgatgcc caatgggcga catattgtct ggtga                      1665

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<210> 14097

<211> 246

<212> DNA

<213> A.fumigatus

<400> 14097

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catctgctga ccatttgttc cagtgcgtcg catgatattc ttcgattata cgatttgaaa      60
cacgaacaag tcagccgccca ttccacggta ccttttctca tcatccctgg gcaccgcacc     120
gggactatat cacaactgta tattgatcag gcttgctcgt ttatgatctc gacaagtggg     180
aatagaggct gggaaggcaa taccaccgag gttttgctag gctatgagat caacgttcct     240
cgataa                      246

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<210> 14098

<211> 819

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (784)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14098

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aaggctcttc atttgaagcc accaaacctg ctaatagcag acctgagaca tgttgcata      60
ccagcgctct cgcttacctt tgggctgggt gtcggggcga ctatcgataa gagtccgtct     120
tggcacagcc tccgcgccac gccctgtcag ccacagctgg ttttcttgct tttcatcaaa     180
cttccgtctt tttcttcatt ggcaaccctg aagtcgattt ttcgattctt ctcgacaagt     240
cgtccccctc tgctgatgcg agtgcccttc tgggacaatc gtggctattc aggaccctta     300
gtccgcgggtg tcaaccccg caccattgtt gagaaagccg ttccgcgacc cattacagac     360
tcatattact ggaaagaaca gtgcttcggg ttaaagcgcg caacgctttg cgatcggtgcg     420
gtcgaactga catctatttg tggtagatat ggtgtcgccg aggaacccac cccgtttctc     480
tgtcttgctg tcaagttgct gcaacttaac cccgagcgtg aaatcatctt ggaatatctc     540
aactacactg atccggggcag tgacggagag acagaggcta cggcagaggg gcaggctcga     600
aatggtgtgc ttggacaacg aggggactgc aagtacctcc gcgccctggc ggcgttctac     660
gtgcgtctaa cctttgacct ggtcgacgtc tacaagacac tggaaaccgt ccttctcgac     720
tatcggaagt tgaagcgacg agtacgcgct acatttgtgc ttacatatat ggatccattt     780
gttnttctct ctcaaaggcg ccggatccgc gctatttgt                      819

```

<210> 14099

<211> 1158

<212> DNA

<213> A.fumigatus

<400> 14099

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cattaccatg	cgcacttcaa	gttacacaca	atcatggtgc	ttctgacctc	ctcgacagtt	120
tcagtcattc	tctccaccgg	cgtggctctg	ctatttactc	ttctcctttt	tctgtccgga	180
tacgtccttc	agcagcagtc	tgtcagaagt	atccagagtg	ctcttcgacc	tcctgggggt	240
ccagacccag	tcaccggcca	cggatcagca	gggtcgtcgt	ttcaaaaacg	agagcagagt	300
actctctcga	atctgattcc	tgaggagcag	caaaaacatg	tcgcccacat	tgcgccagcct	360
ggagcaggag	gcaactacgc	atatctgcaa	ctcctgtctt	cccccaatcc	atctgatatc	420
tgtctccgaa	tcctcttttt	caaacaactc	gccacaaagg	gcacagcaat	caatgatcga	480
ttgtttatgt	atccccggga	ttgggatttg	ctgtcatcag	acaagggtctc	ggactccgtc	540
agaacagctc	tttctctgct	ccgagccgca	agcatcaagt	acaacgtctg	gcttctcccc	600
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ttaggccaga	tccagttcat	gcagtacgac	agcgtactgt	atgttcgaac	accgggtctg	720
ttgctcgaca	ctggcaagct	agacgagatg	ctcctctccc	ggccattgcc	cctaaaatat	780
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cagattgagg	cgcgaggcca	tatccctaac	gtggctctcc	cgggctttgg	gggtctgctc	960
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gggtatgtct	tctttgaaca	ggatggggaa	ggtcacgttc	agtgggcgca	gaatccgctg	1080
ttcggtgctt	ggagagcgca	gcaacatgaa	gtttgcgaag	gcgtcgactt	tgatgaagtc	1140
gcttatgatc	atgattag					1158

<210> 14100

<211> 735

<212> DNA

<213> A.fumigatus

<400> 14100

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tgggtaaatt	tcagtatctc	gcgcacgtct	ccaaatggca	gctggcacag	gcttgagcga	120
ggcgagatca	aactggatgc	ggatttcttt	aaagcgttca	acagagatct	acgaaaccgg	180
tatttatgga	agaagttcca	tgagagactg	cagaagaagc	aaacaaccgg	ggtgccaata	240
tcggcaccct	cactgcccga	aatcgacgca	gaatggctct	tctgggagat	gatgcgagtg	300
tcaaggaccc	cagacccata	catgtaccca	gcgctgcaga	agctgaaagc	gtcagggcag	360
ttcattattg	gggtctctgc	aaatacgggtc	atattccctg	atggacatcc	ttataacagc	420
gactcaaacg	gtgtcaagtc	gcaattcgac	tttttcatct	catcggcgca	tacagggctc	480
aggaagccag	atcctaagat	ctatgcagcc	gcgctgaggg	agatggacac	attggcgaaa	540
aagagaggct	tgcaaggggt	tgagccttct	gatgttggtt	tcctcgatga	catcggggag	600
aacttgaagg	ccgcgaagaa	tgctggattg	cgaaccatca	aggtcaacct	tggccggacg	660
caggatgcta	tcagagaact	agagaagatc	actggcctgc	aattgctaga	cactggggac	720
aaggccaagc	tttga					735

<210> 14101

<211> 225

<212> DNA

<213> A.fumigatus

<400> 14101

tattttctcaa	atgttctacc	gacgtgcgt	agcgttgctc	atacggggta	cttcgttgtg	60
gttgtcccc	cgctcgtggc	caacctcaat	ttgcgctggg	atgcagccac	gctaagcgaa	120
accatccaca	aagtcagccc	acaaaatttc	caacctcttc	agtcctcttc	tcgagccaac	180
gtcgacaatt	cggctcttcaa	tttgcggcaa	cagtcaagat	ggtga		225

<210> 14102

<211> 906

<212> DNA

<213> A.fumigatus

<400> 14102

aatcatcatt	tgtgtgtccg	cgaactaac	aatctctacc	atagtcgcta	ccagactaag	60
taccgccgcc	gcagagaggg	caagacagac	tactatgtc	gtaagcgct	gatcaccag	120
gccagaaca	agtacaacgc	tccaagtag	cgtctcgttg	tgcgcttcac	caaccgcgac	180
atcatcacc	agatcgtcta	ctctgagatc	accggtgata	aggtgttcgc	cagcgcctac	240
tcaccagagc	tcaagcgcta	tggtatcacc	cagggctctga	ccaactgggc	tgccgcctat	300
gccaccggtc	tgctccttgc	ccgccgtacc	ctcaagaagc	tcggccttga	cgagcagttc	360
accggtgttg	aggagcccga	tggtgagtag	aagctcaccg	aggccgtcga	gaccgacgat	420
ggcaccgcc	gccccctcaa	ggccttctc	gacgttggtc	ttgtccgtac	ctccactggt	480
gcccgtgtct	tcggtgccat	gaaggggtgt	tccgacgggtg	gtatcttcat	ccccactcc	540
gagaaccgct	tccccggtta	cgacatcgag	tctgaggagc	tcgacgctga	gaccctccgc	600
aactacatct	tcggtggcca	cgtctctgag	tacatggaga	ccctcgccga	cgacgatgag	660
gagcgctacc	gcagccagtt	cgccaaatac	atcgagaacg	agatcgatgc	cggtgacctc	720
gaggagattt	atgctgaggc	tcacaaggcc	atccgtgagg	accccttcaa	gaaggacgag	780
gacgagaagc	ccaagaagtc	caaggaggag	tgggaaggccg	agagcaagaa	gtacaagaag	840
gccaagctgt	ctcgcgagga	gaagaaggct	cgcgttgagc	agaagatccg	tgagcttgct	900
gcttaa						906

<210> 14103

<211> 420

<212> DNA

<213> A.fumigatus

<400> 14103

agggtgcttc	cgacggtggt	atcttcatcc	ccctactccga	gaaccgcttc	cccggttacg	60
acatcgagtc	tgaggagctc	gacgctgaga	ccctccgcaa	ctacatcttc	ggtggccacg	120
tctctgagta	catggagacc	ctcgcgcgacg	acgatgagga	gcgctaccgc	agccagttcg	180
ccaaatacat	cgagaacgag	atcgatgccg	gtgacctoga	ggagatttat	gctgaggctc	240
acaaggccat	ccgtgaggac	cccttcaaga	aggacgagga	cgagaagccc	aagaagtcca	300
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<210> 14104

<211> 1686

<212> DNA

<213> A.fumigatus

<400> 14104

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<210> 14105

<211> 960

<212> DNA

<213> A.fumigatus

<400> 14105

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<210> 14106

<211> 225

<212> DNA

<213> A.fumigatus

<400> 14106

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<210> 14107

<211> 945

<212> DNA

<213> A.fumigatus

<400> 14107

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<210> 14108

<211> 1587

<212> DNA

<213> A. fumigatus

<400> 14108

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<210> 14109

<211> 708

<212> DNA

<213> A. fumigatus

<400> 14109

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<210> 14110

<211> 219

<212> DNA

<213> A.fumigatus

<400> 14110

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ctcattacca	tgggtcaagga	cgggttgaga	gcggccaaaa	agcgcaagca	ggtcgatgat	180
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<210> 14111

<211> 909

<212> DNA

<213> A.fumigatus

<400> 14111

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<210> 14112

<211> 432

<212> DNA

<213> A.fumigatus

<400> 14112

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<210> 14113

<211> 2787

<212> DNA

<213> A.fumigatus

<400> 14113

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<210> 14114

<211> 459

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (359)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14114

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<210> 14115

<211> 237

<212> DNA

<213> A.fumigatus

<400> 14115

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<210> 14116

<211> 519

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (148)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14116

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519

<210> 14117

<211> 204

<212> DNA

<213> A.fumigatus

<400> 14117

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gaagatgatg	acgacgacga	taacgacgaa	gacgatgatg	tgtctgaatc	tgaggaagat	180
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<210> 14118

<211> 306

<212> DNA

<213> A.fumigatus

<400> 14118

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<210> 14119

<211> 1824

<212> DNA

<213> A.fumigatus

<400> 14119

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<210> 14120

<211> 183

<212> DNA

<213> A.fumigatus

<400> 14120

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<210> 14121

<211> 192

<212> DNA

<213> A.fumigatus

<400> 14121

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<210> 14122

<211> 603

<212> DNA

<213> A.fumigatus

<400> 14122

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<210> 14123

<211> 216

<212> DNA

<213> A.fumigatus

<400> 14123

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<210> 14124
<211> 420
<212> DNA
<213> A.fumigatus

<400> 14124
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<210> 14125
<211> 198
<212> DNA
<213> A.fumigatus

<400> 14125
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ggcgcaagat tactgattgt tacagagtac aaaggggccg gaactaagtg tacaggttcg 180
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<210> 14126
<211> 309
<212> DNA
<213> A.fumigatus

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gctcgtttcc aaaatgggct tctctatcgg ttcatctgag gccgtccagc aaccatttg 180
gatctgggtca agcctccgct ctggcggtggc gttgcccata ggctcggaca gtggcatgct 240
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caccagtag 309

<210> 14127
<211> 195
<212> DNA
<213> A.fumigatus

<400> 14127
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ctgggtccgtt taggtacgca ttctcaacaa ttgcatgtga ttctcaacca tgtgactctg 180
ggtccagcca aatag 195

<210> 14128
<211> 183
<212> DNA
<213> A.fumigatus

<400> 14128
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 aaaaagactt gttcagcggc gcttctactc tttcttttc ttttctttcc tcatcatcag 180
 tag 183

<210> 14129
 <211> 321
 <212> DNA
 <213> A.fumigatus

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 gctcagtcaa agtactgctc gctgaagggt attcttgccg gatttttttc tcttatgggt 180
 ttccttccgt tcccagctct ggagagcagc gtggattcac tctgcgtgcg tcttctttt 240
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<210> 14130
 <211> 216
 <212> DNA
 <213> A.fumigatus

<400> 14130
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 ccgcaaaatg cctccccccc taacaacgac cctaatacaa tccaccctcc taaacgcctt 180
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<210> 14131
 <211> 552
 <212> DNA
 <213> A.fumigatus

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<210> 14132
 <211> 597
 <212> DNA
 <213> A.fumigatus

<400> 14132
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<210> 14133

<211> 789

<212> DNA

<213> A.fumigatus

<400> 14133

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<210> 14134

<211> 525

<212> DNA

<213> A.fumigatus

<400> 14134

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<210> 14135

<211> 513

<212> DNA

<213> A.fumigatus

<400> 14135

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<210> 14136

<211> 192

<212> DNA

<213> A.fumigatus

<400> 14136

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<210> 14137

<211> 1338

<212> DNA

<213> A.fumigatus

<400> 14137

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<210> 14138

<211> 1197

<212> DNA

<213> A.fumigatus

<400> 14138

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gacgaggagg	agtctgggtg	ttttggaggg	gagggcagca	ccgcgggctt	cggggcaggg	660
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cacctgagtg	tcgtgggtgt	aagctcaatg	acaggcgacg	gcatcgacga	attcttccaa	780
gcagtggaag	agaagcgta	ggagtttgaa	cgggactaca	agccagaatt	ggaacgcaag	840
aagaaggagc	gcgaggaaac	caaggcagcc	cagcgcgagt	tggaaactggg	caagctgatg	900
aaggatatga	gtgtgtcttg	atcttcgcgg	aagccgcgtc	ccgcgaacga	agcggagacc	960
gtcagcgaag	cagaggagga	ggaagaagag	gccgtgctg	cagcaagcaa	aggggatctg	1020
gagttttcgg	agaacgatga	tgataccgac	gatgacgagg	gaggtgttcc	tccagctggc	1080
gacgaggcgg	ggctgtccca	gcgatacaaa	gaagctcttt	cagagtctca	gggcggtccg	1140
aacgacgcag	atttgagctt	tgacgggtac	ttacgttcta	gtaatatcaa	ccgatag	1197

<210> 14139

<211> 567

<212> DNA

<213> A.fumigatus

<400> 14139

acctatcaaa	ggcaggtaact	gatggcatct	tgtagtgtcg	gacagaatcc	tgctagacaa	60
tgtgcgcttg	gtgctgggct	tgaagagtcg	accatttgta	ccaccgtcaa	caaggtttgc	120
gcgtccgggt	tgaaggcgat	catactcggt	gccagacta	tcatgaccgg	aaatgctgac	180
gtcgttgtgg	ctggcgccac	ggaatcgatg	tcaaacgcac	cacactatct	cccaaacctg	240
cgtacagggtg	ctaaatacgg	ccatcaaagt	ctggtggatg	gcatcatgaa	ggatggcttg	300
actgacgcag	gcaagcagga	actcatggga	ttacaagcgg	aggagtgcgc	ccaagatcat	360
ggttttagca	gggaacaaca	ggatgaatat	gctatccgca	cctatgaaaa	agctcaggcg	420
gctcagaagg	ctgggctttt	cgacgaagag	attgccccta	tccagcttcc	tggatttagg	480
ggaaaaccag	atgtgaccgt	gacgcaagat	gaagaaccga	agaatgtgag	cacctccatc	540
agacgcacta	tgttcatgtc	agactga				567

<210> 14140

<211> 516

<212> DNA

<213> A.fumigatus

<400> 14140

ctcaaccggg	agaaacttcg	agccatcaag	cctgcgttta	tacctggttc	tgggaccgtg	60
acggcgcccta	actcttctcc	tctcaacgac	ggcgtgctg	ctgttgcct	tgtctcagag	120
gctaagttaa	aggagctcaa	tttgaagccg	gttgcgaaaga	tccttggatg	gggagacgct	180
gctcagcaac	ccagcaaatt	cacgactgct	ccagctcttg	caattccgaa	agcgtcaaaa	240
catgctggtg	taggccagga	tgccattgat	gcttttgaga	tcaacgaggg	tttcagcgtt	300
gttgctcttg	ccaatatgaa	gttacttggc	attcctgagg	aaaagggttaa	ccttcatggt	360
ggagctggtg	ctatcggta	ccctatcggt	gctagtgggtg	cgcgtatctt	gaccaccttg	420
ctcgggtgtt	tgaaggccaa	gaaaggaaaa	cttggtctgtg	ctggcatctg	taacggcggg	480
ggcggagcta	gtgctctggt	ggttgagcta	ctttag			516

<210> 14141

<211> 1203

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (103)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14141

```

gggacacgcc agaaatgggc ttggaaaata cggatcctgg atggcaagtt caattcccgg 60
ttcttgacag acgatttcct cgggtaccgg ataccggggc atnntcttct catactccca 120
ggcatttggg gaacgggggt cttgattgcc acagctttcg ttcacttgct acccacggca 180
ttcgttttct ttacggatcc ttgcctccct cgttttttgg cggagaccta tcgtgcaatg 240
gctggatttg tagccatgat atcgggtttt ctggttggtg ttgtagaaat gtttttcgct 300
acgaaaggtg ctggtcatgt tcatgggagc gagtacgac atttaattgg cagtgttggg 360
cgggggttcta gcaaatctgt tcgtgatgac gcaaattatc tgaggcttgg ccgtcatcac 420
tcgacggaaa acctgcgcct taatctcatt caagcaaata ttacgcgga tggggcgag 480
gagcaatcca gttcattgtc ccggatgtca acagatgggt ttgaacaatc gcggtctaag 540
aaaatggagc cttacgggtga aactggcgac gctgaatttg gaggtatcga ttctctggac 600
aatcacagtc attctccggg ctctgactcg catcctcgct acctgccatc ccagcagcgt 660
gatttgcatc caaaatcgag tcctgtgtta ccaatgcaa gcccgcagcg tcagtgtctg 720
caatgtcttc tcctcgagggc tggatccctc ttccacagta tctttatcgg tatggcctc 780
agcgtcgcca ctggtacgtc atttggtgtt cttcttgggt ctatctgctt ccacaaaact 840
ttcgaagggg tcgcccttgg atcgcgtatt gcacccctga taccagacct tttttcaccg 900
tcgtcgccga agccctgggt tatgtcgctt gcctacggaa ctacaacacc tgttggacaa 960
gctatcgggt tagttttgca caatctttat gaccctgcaa gcaccacggg cctgctcatg 1020
gttggcatca ccaatgcagt cagcagcggg ttattacttt ttgctggact tgtggaactc 1080
ttagcggagg actttctaag tgagtctagc tacgcgacac tcaggggtcg gcggcgtatt 1140
gaggcctgta tagccgtcgc gagcgggggt ctgctgatgg catttggttg cgcctttgac 1200
taa 1203

```

<210> 14142

<211> 186

<212> DNA

<213> A.fumigatus

<400> 14142

```

ctcaaccacc agagcactag ctccgccgcc gccgttacag atgccagcac agccaagttt 60
tcctttcttg gccttcaaaa caccgagcaa ggtgggtcaa atacgcgcac cactagcacc 120
gatagggtga ccgatagcaa cagctccacc atgaagggtta accttttctt caggaatgcc 180
aagtaa 186

```

<210> 14143

<211> 420

<212> DNA

<213> A.fumigatus

<400> 14143

```

ggttgacattg ccccttttcc ctcatcatcc aagagcgaca agaccgtcga tgaaagccat 60
gagaaagcgg aagaccattc aatttcgcc taccaggccc atgtactgta tgtttccgca 120
acgcaggttg ggaacatacg gatcggcgca agcattctac atcccataa cgtcctagtt 180
actacacgat cgggcagcaa tcacagtagc atttatatca atgcgaagcc tcatccatac 240
tacacttttg gtgatgtaaa gttcgagcga gaaaacacgg ttcattggggc tattcaggga 300
tcgatagggtg ttttttccag tatcgctcaa gtgggaccaa gacaactact accttaccag 360
caagagatat cctttcaaga tggccagtgt ttatggcact cagcaaaaacg gacaggggtga 420

```

<210> 14144

<211> 225

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (188), (213), (219)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14144

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tcggatcgga	caggagaaag	agaggctcgg	agatggggaa	ggacaagatc	aggatgcctg	120
aactgtcgga	agaagcggag	gaagtgcgat	gagggaaaac	caacgtgcct	gttttccacc	180
acggaagnag	ccaaggatcc	aaagcgatcc	gtnatcggn	gcaat		225

<210> 14145

<211> 714

<212> DNA

<213> *A.fumigatus*

<400> 14145

ggcgcaaggt	gcaacagaca	atgtcacccc	aagcaccggc	ccaaacgggt	accgttcctt	60
cgccacgtat	tttttggagt	cattgctgct	aacagtaaaa	catctagctc	cgaagactgg	120
ctcaacaccg	gcatcaccac	caccggctgg	aagcctccct	tcctctccat	cgacgacgtc	180
tacaccatca	gccttcaaga	cttctacaac	ggcattgggt	ccgcctgcgc	ccagtacgac	240
agctacttcc	aaagcagcgc	atccaagtac	gggtgtcaacc	cggtcattct	cgccgtcatc	300
gctatgcagg	agtcctcctg	caatgccaac	gcgggagggtc	ccacaccggg	cttgatgcag	360
gtctcgtgcg	acaactaccc	gaatggccag	tgcacggata	gcatccagga	taatgtggac	420
gcgggcacgc	actatctcaa	gtcgcagctt	gatgcgtccg	ggggtaatgc	gatcaaggcg	480
ctgggtgcat	acaatggctg	gtttacggca	gggtccgggc	ttaatgggaa	cagagggctg	540
acgaaggact	accctgctc	ggctgagggt	aaggcgcgtg	gtatgccaca	gaacctggac	600
tacttgcacc	aagtgtgtaa	tgggtggatg	atgggattgg	atgtttatgg	aaaggataac	660
tggattggta	cttatcactg	tgatcagtcg	tgcagtgatg	gcagtttatg	ctag	714

<210> 14146

<211> 318

<212> DNA

<213> *A.fumigatus*

<400> 14146

gtgttttttc	cagtatcgct	caagtgggac	caagacaact	actaccttac	cagcaagaga	60
tatcctttca	agatggccag	tgtttatggc	actcagcaaa	acggacaggg	tgaggttggc	120
aagcagcatt	gctatgctat	cgggagtatt	aaaagtaaca	gactgggtgat	ttgtctggcc	180
gataggctcc	gcacaatcca	agaaaagtac	ggagttaaga	agcgctacat	ctgcaatggg	240
agaggcttaa	gccaatatcc	tggtcagtta	aagggggata	tatttggttaa	ctgttactcg	300
ctggaagatc	cagggtaa					318

<210> 14147

<211> 480

<212> DNA

<213> *A.fumigatus*

<400> 14147

atcacacccc	aaaaaacgc	aagagaaata	atggcgggtct	ttaagagcat	cacctgact	60
tccctggccc	tcgctattgg	cgccaccgct	cagtccgcca	acccagggtg	cggcaaaaac	120
cctaaggcgc	aagggtgcaac	agacaatgtc	accccaagca	ccggcccaaa	cgggtaccgt	180
tccttcgcca	cgtatttttt	ggagtcattg	ctgctaacag	taaaacatct	agctccgaag	240
actggctcaa	caccggcatc	accaccaccg	gctggaagcc	tcccttcctc	tccatcgacg	300

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acgtctacac catcagcctt caagacttct acaacggcat tggttccgcc tgcgcccagt 360
acgacagcta cttccaaagc agcgcatcca agtacggtgt caacccgggc attctcgccg 420
tcatcgctat gcaggagtcc tcctgcaatg ccaacgcggg aggtcccaca ccgggcttga 480

```

<210> 14148

<211> 198

<212> DNA

<213> A.fumigatus

<400> 14148

```

gtctctcagc gcagaatcat tccaatgcag cacaaggaca tatccaacgc aaccaagtca 60
gaacaatctg tggatataaa gcaaaggcag ggcgtcgaaa cattgtcaac tatgatagag 120
tacatataca ccttcttcta tcagcaacat accgggtggc tctatgattt tgagcccatt 180
ggtagctttt ctttttga 198

```

<210> 14149

<211> 1035

<212> DNA

<213> A.fumigatus

<400> 14149

```

cagctgcaat tctgctatca tctttgcccc gacgcccaca tgctctcaaa caaactagct 60
atcgccagct tatctctggg tcaacaccct tcgcatcacc tggaccacaa aatccaggct 120
gcggcagaag ccggatacaa aggcattgaa attgtctatt tcgaattgga agcattctct 180
caagctcaac acatttctgat tctcgagggc gctgagaaga tccgcttgat atgccaaaag 240
ctcaacttgg atattctctc tttggcgcca ttcgagaatt acgaagggga cagatcgcct 300
cttagtgaca gattgcagaa cgccagacac tggattagcg tcgctagagt cctcaacgcc 360
tcataatttg aggttccttc aaattacaaa ctagacgcga tcggtgacaa ggacgtggtc 420
atcagtgagc taaagcagtt ggctgatatc ggaagtgcag agcagcccgt tgtatcgatc 480
gcatatgagt atttgtcctg gggaacacac tgttccacat gggagggtcg tttgcaatat 540
gtcaacggag tcgatcgacc aaactttggg ttatgtctag atacgttcca tgaagctacg 600
aagctatggg ctgacccttt cgccctcgtc gggcgcttcc ctgactctga tagatccctt 660
cgtgaatcac tcaatcgctt tgtttctacc tgtcccgtgg agaagatatt ctttatccag 720
ctatctgatg gcgaaagggt cgatcctgcc ttctccaaag gtcaccctg gtatgtccaa 780
ggggaggcgc cgcaatttac ttgggtccaa catgcacgac tatttccttt ggagcatgat 840
catggtgcct atctacctat taccgagatt gccgaagctt ggatacacgg ggtaggcttc 900
aaaggctggg tatcgatgga aatcttcgac cgccgcgcat gggataggcg cactcaacca 960
gagactgccg caatgagggg actaagatca tggaggactc taagaagaga gctcgagcct 1020
gtatcaaaaag ttttag 1035

```

<210> 14150

<211> 291

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (148)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14150

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agctgctgcc ccaccgacga accccacaca acgcatcaaa acctccccctt gctccgaccc 60
gcccccttgg actaccctat tcataataga ccggggacca acccttcggt tttgctttta 120
cagccctccc cccctgctgc ccccacncc aaactacctc tctccacccc cccccccca 180
cccccccttc ctagctcccc tegtgcgcc ccagcctta cccccgaaa attagcttct 240
ttgtggcccc ttcaaaaaac ctgccccccc cccttcccc cctccaactt t 291

```


<210> 14151
 <211> 1719
 <212> DNA
 <213> A.fumigatus

<400> 14151
 ggtacagggg ctgatttggg catctacaat agcttaaccc cgacaccaat gctttccagc 60
 ggacttttac caaggagatt cgtcgggttg ataacgtgga gagacaactg cgtatgtata 120
 atgtcctgtg gttggaggat caatgcattg cgaggctctt gctggttgtg gtgggtgggtg 180
 catcgggttg acattcatga tcttttggca ggctatttcc aagcgcagat ggacaaggcg 240
 gggattccca tgagatcttc taccgagttc tccgatacgt tggcggctcc tctggcttcg 300
 gaaattgacg aactcgccga gcgaagttag agcctcgagc agagaatcgc ctctctgaac 360
 gatagctacg agacactgaa gaagcgcgag gttgagctta cggagtggcg gtgggttctc 420
 agagaggccg gcggttctt tgatcgcgct catacgcata cggacgagat ccgacagtcg 480
 ttcgataatg acgaagctcc gctactgcgg gatgttgaa accaacctag ccgtggaccg 540
 aatggtgatg cccaggctca ccagtcgttc cttgagatga acattgggtt cgttgcgggt 600
 gttattcccc gggatcgtat tgggtgcttt gagcggatac tttggcgaac tttgcgcggt 660
 aacctctaca tgaaccagtc ggagattccc gagccgatca ttgacccgac tactaatgag 720
 gaatcgaca aaaacgtatt tgtgatcttc gctcacggaa agcacatcat ttcgaaaatc 780
 aggaagattt ccgaatccct tggggcttcg ttgtatggtg ttgatgagaa cagcgagttg 840
 agaagggatc cgaattcatga agtgaacacc cggctgagtg atgtcggcaa tgttttgcgc 900
 aacaccaaga acaccctgga tgcagagctt acccagattg cccgctccct ggcggcttgg 960
 atgattattg tcaagaagga gaaggccgtg tacgatacgc tcaacaagtt ctctatgac 1020
 caagcgagaa agacattaat tgccgaggca tgggtgccga ccaactctct ggcgttgatc 1080
 aagtctaccc tgcaagacgt gaatgaccgc gctggactga gcgtgcctac cattgtcaac 1140
 cagattcgga cgaacaagac cccgcctacc tatgttaaga cgaacaagtt taccgaggcc 1200
 ttccagacca ttgtcaatgc ttacggatc cctaagtagt cagaagcaaa tcttggattg 1260
 tacacggctg tcacattccc tttcttattt gctgtcatgt ttggtgattt tggccatggt 1320
 gctttgatgg caatggccgc ttctgctatg atcttctggg aacgaaagtt gcagaagacg 1380
 aagctcgacg agttgacct catggcattc tatggctggt acattatgtt gatgatgggc 1440
 cttttctcta tgtacaccgg cttgatctac aacgatgtct tctccaagtc tttactgtc 1500
 ttccctagtc agtggaaatg gcctgacagc atcaagaagg gacagacagt tgaagcttcg 1560
 ttgacgaata gctaccgtta cccgttcggt ctggattgga actggcacga ggctgagaac 1620
 tctcttcttt ttaccaacag tatgaagatg aagatgagta ttattctggg ttgggcacat 1680
 gtaagtgata ttctgctgct tgtcaaattg cctggctga 1719

<210> 14152
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 14152
 tcgtccctgt ggtggaagga acctgctgca ggcagcgacg ctttcacat ggctccgagg 60
 gacaccttct tccgctcgtc tgatatgagc ttgacgcagc tctatatcgc caatgaaatc 120
 ggacgagagg ttgttagtgc tctaggagaa cttggccagg tccaatttcg ggatgtaagt 180
 tgtactgtac ctgcacgagg tgggtga 207

<210> 14153
 <211> 498
 <212> DNA
 <213> A.fumigatus

<400> 14153
 atgacatatg cgctctgctt gcagtatgtc aatgcgcggc atttcaagtc caaggctgac 60
 attattggaa atttcataacc cggcatgac ttcttccagt caatctttgg ttaccttgtt 120

ctcacaatca	tctacaaatg	gtctgtcaac	tgggaagccc	ggggccagtc	tcctccgggt	180
cttctgaaca	tgctcatttt	catgttcctt	tctcctggaa	ctgtggaaga	gcaactgtac	240
aagggccaag	ctgggggtcca	agttgtgcta	ctgttgctcg	ctgttggtca	agtcccaatt	300
atgctcttct	tcaagccatt	ctaccttcgc	tgggaacaca	accgtgctcg	tgccctggga	360
taccgaggcc	ttggagagca	cgcccggtg	agtgcgctcg	aggatgacac	cgatatgaac	420
ggtggagtct	cacggccccg	tgacagcatg	gccagcgacg	gtgaaggcgt	ggcaatgatt	480
gcccaggatc	tcggcgat					498

<210> 14154

<211> 3051

<212> DNA

<213> A.fumigatus

<400> 14154

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cgaaacattc	catcttttca	agaaacgcgc	aaacacactc	cagcgcgcgc	cgcacaacag	120
gacggtgtcc	atggcgataa	taaagataaa	gggaaaggag	atttatttgt	agacattgag	180
actccgcgc	agccgtcagc	gtctggccca	gaggatccag	ccaatccatt	cgatagcttc	240
aatgcgatcat	ttgcgatcgc	cgccgcaaga	gaacaggagg	agaaggagag	gagagagcgc	300
gagcgtcaga	ttattctgga	aaagagagaa	gcgcgccgaa	aatcaatggg	taagtcagcg	360
tcttcttcgg	aaatcatacc	gttggctaaa	acttgtctgc	gtaaagcgaa	ccgccgcgtt	420
tctttcgtct	cggaggcaac	actacacacg	tggacgtag	tcgaaattcc	tgatgattcg	480
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gacattgcat	tttctccggt	ggagtatccg	gacctgcaag	agctcaggaa	tcgttcgttt	660
tcagcgtatg	atgaacacgc	aacttcgcaa	gatctgtcgt	ctagtccatt	cagcggaggg	720
tctgcagatg	gcttggagga	tactagcctt	caagacgttc	caaggggaagg	tgacgatgac	780
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gaagagacaa	actatgatga	gcaaacaatg	gaattcacga	atgtgattgg	tggcattaaa	1320
caatctgcat	ctcccaccag	gtccgcaggt	ggcgaaagta	atgctagcga	cgaggagatg	1380
acaatggaat	tcacctctgt	tgtagggggg	gttctcaaca	aaccgtttca	gactcagcat	1440
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gtttctttcc	acctggctgc	tattgcctct	gaaagtggaa	gccccagttt	agccagtgtc	1800
cgacctcgat	caactaggca	aagcctgagc	cgtcgatgt	cgaacacgcc	gtcggcacac	1860
tcgccacacc	aatcaccagt	gaagaataca	ttgacttcgc	caaaggactc	aacaccccaa	1920
gccagtcaat	ccatgacgcc	cagcaagact	cctttgagca	tgacaaataa	ccgaagtgca	1980
tcgccgagga	agctttttca	gtctgagacc	cacctttctg	ccagcaagga	taaatccctt	2040
ggccgcaaga	gtctcttttg	atctactgcg	gtgaccgggtg	aagccgtccc	ccttttcgta	2100
ctacgcctc	acgagaaacg	gcgttcattc	ggtcttgga	tcgacaaaga	gggtctaggc	2160
tcgcctcgcg	tggctgctat	gcttgataag	agacgatcaa	tcggagagga	cgctccacgc	2220
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gaagaagtgc	acatggagcg	tgaagaagag	gagaagcggg	aagacggtca	tattccccca	2340
ttgcagttgg	atcctactgc	gaatctaaag	gatatgattt	cgagcctcac	accaaagaag	2400
aacaagctcc	gtggccgcaa	gagtttacac	gtgggtgctg	cccggggttt	attgggcaag	2460
cgaccctgtag	agctagatca	ggatgatgaa	gaggaggccg	ataatactcc	taagcgcttg	2520

aagggccgca	acgccagccc	agtgaagagc	atcaaacttc	cggcaccgcc	gacaaaggat	2580
gagacggtcg	gacatttgaa	gcgctcacc	actcgtagat	ctgttggtgc	accacccatt	2640
gaaggtagca	cgacccaag	tcaggagcca	aagaccagct	ccttgctcgt	tactccggcg	2700
aaagacgtat	ccgagtcttt	caactccagt	acagaatcaa	catcaactga	agagggcaat	2760
gtcgctccgc	aagatagcga	gcccgaattt	gaacctattc	agctacagga	tttcttgaac	2820
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gggagtgtga	gtaagaggac	ggctaggctc	tctgctgagt	ccaaggccgc	cacagccagt	2940
tttgaagatt	gtgtcgctgc	cggtttctgt	actgtgccca	tgcttgagtt	gtatcagcat	3000
gtaagctgtc	tgctttccgt	tcgacctaga	tgtttgctga	ccccttcta	g	3051

<210> 14155

<211> 702

<212> DNA

<213> A.fumigatus

<400> 14155

tcgtgccg	agttgaaatc	ctacatctct	gaaggccgac	aggtgattcg	atccattgaa	60
gccgagacat	acgctgagaa	cccgcactc	ttccgagaat	atgccactgc	tccgccagac	120
atccggctgt	tgatggacaa	ccagttccgg	aatgtcaaga	cccatgctag	attacagagc	180
aaagccacat	ggtacgaatg	gcgtatgaag	cttcttgaag	gtctgaaaga	aggcctctac	240
cggcatgttg	atgagatgaa	ggcggatgga	gatctattga	caaatatga	gaccttgctc	300
gatggcatag	tacctgctct	tgctgagaaa	caatcagcgc	tgcaagagga	agccgcgaac	360
ttacagcaac	ttacggacga	gatggagagt	tgcgaccagg	atgaactgcg	aaatgcgcgg	420
gagaagctct	ccagcttaga	ggatgagata	gagttgaaga	agaagcaact	gcaggagctt	480
caaggccagg	tgcaagagaa	gactaacagt	cttgagtcgg	gagcgggaact	caaagctgag	540
ttcttggcgc	agatcaagga	agctgaaagg	gtaaaagagg	agtgccatgg	ctggagcgca	600
aaggaaatca	gtgaattgac	gggtaagatt	actcggtcac	ttgaatatta	tgcatgctcg	660
acgattgctc	acaatctcga	tagaatccgt	tcggaaaact	ga		702

<210> 14156

<211> 210

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (146), (196)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14156

cgagaaagac	agcccgcac	tttgagtga	ataccaccca	ggaaacggcg	ccaagtcgac	60
ggtacgagcg	ccgcagctgt	ctcctatcgc	cttgctaagt	ctcaaactct	ttcagaggca	120
cctcaaaacc	tagagcacia	gacggncct	attagctcca	agcaattctt	gcgcttcac	180
tcaatgcctg	gaactncggg	ctcagcctaa				210

<210> 14157

<211> 213

<212> DNA

<213> A.fumigatus

<400> 14157

gacacgaggt	gcatagctgc	actaaagctc	gctgcctttg	gtattgattc	tcagtggctg	60
acaggcttcc	caagccctgg	attccgcaac	accctggcgg	cccatccgcg	tgacaatagc	120
ctagggccca	agccatctgg	gtttcatgat	tcgcgcatta	gaacctgcc	ttcgtgttca	180
agaacagatg	ctttctctag	catgcgctgc	tga			213

<210> 14158
 <211> 1620
 <212> DNA
 <213> A.fumigatus

<400> 14158
 atgatctcaa cagccatgac agagcaacac aagaaaggaa gtctggacga aagtagtggt 60
 ggtcaccaag acacacagac tacgatggat tccccgagaa aagataccat ccagaacgac 120
 aaagtctcca cgcagccaaa aaggaccctc tttgttcggg cgcttcccac ctacagctacg 180
 accgagagcc ttaccgaata cttctcccaa tctacgttta tcaagcatgc gatcgctggt 240
 aatgatccgg aaacgaagct gtgcaagggt tatggtttcg ttacctttgc cgatctcgaa 300
 gacgcgcaag ctgcgctaaa ggagttcaac gggctctgtc tccaagggaa aacaatcaga 360
 gtcgactacg ctacgcccgc tcaccgtgag attgatgaga acctcgggaa aagcgtgccg 420
 gtccttgctg cccttgaact taagaaacag cggcaacaac agaaaacatc taccacaacc 480
 ccgaagctca ttgtccgaaa cttgccttgg agcatcaagg aaccagaaga tctagcggta 540
 catttcagaa gtttcggcaa agtcaaatat gtcacgcttc ccaagaaagg tgataagctg 600
 gccgggtttg gcttcgttgt ttacgagga aagaagaacg ctgaaaaggc gctgcaggcc 660
 gtcaacggca aagaggtaga cggaagaacg ctggcagtcg attgggctgt agaaaaggaa 720
 gtatgggaga acttgaagaa ggagctctgag aagaaggagg ataccaggga ggaggctgga 780
 tcgagcgacg ttgagatggc agatgacgca gaaacgacat ccgataatga aggcgtcgag 840
 tctgatgacg acgatgaaga tgaggatatg gacgatgacg acgaggagga tgaggaagat 900
 atggatgaag aggaggacga ggacgagggc aacgaagacg aaagacaaga gaaagaagac 960
 gagcgaaatg cttgtacgat ttctattcga aatctaccct tctcgtgtac agacgaggcg 1020
 ctttacgagc attttacgca atttgcccc ttgcgatacg cacgaattgt cgttgacccg 1080
 gagacagaac gtccccgtgg taccgggttt gtttgcttct ggaagggtga ggatgccgca 1140
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 aagaagtctt ccaccgcact caagcactct atcctgcaga atgagaactc tgaccccgagc 1260
 ggccgctata ccttggacgg tcgtgtcctc caggtcgccc gcgccgtcag caaatcacaa 1320
 gctgccaaac ttgaagagga ggggtgatca aaacgactgg ttcgtgatac tgacaagcgt 1380
 cgtcttttcc tcttgcaaga aggcaactat tctcccaact cccctttgta ccataagctt 1440
 tcgccgtccg agatcaagat gagagaggac agcttcaagc agcgacagaa cttcatccgg 1500
 aagaaccggc ctctacattt tagtttgacc cgactctcgg tacgcaacat cccccgtcac 1560
 gtcacctcta aggacctcaa gcagctcgct cgacaggctg tggtcggctt cgcgaaagac 1620

<210> 14159
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 14159
 tcagagtatt catcaatcaa ctattcaacc tccgttttcc cgaagtctcg caagggctgc 60
 gctaattgct tcaactattt cctcttgatt ggattgccgt ggagtgtcga cttctggggc 120
 tccttttttc gcatccaccc cactcctctg tcccgttcc gaaaggatca aggctgcttc 180
 atcttcgtca gccgtatttg a 201

<210> 14160
 <211> 642
 <212> DNA
 <213> A.fumigatus

<400> 14160
 agcgcctcgt ctgtacacga gaagggtaga tttcgaatga aaatcgatca agcatttcgc 60
 tcgtcttctt tctcttgtct ttctgtctcg ttgcctcgt cctcgtcctc ctcttcaccc 120
 atatcttctt catctcctc gtcgtcatcg tccatctcct catcttcac gtcgtcatca 180
 gactcgacgc cttcattatc ggatgtcgtt tctgcgtcat ctgccatctc aacgtcgtc 240
 gatccagcct cctcctgggt atctccttc ttctcagact ccttcttcaa gttctcccat 300

acttcctttt	ctacagccca	atcgactgcc	agcgttcttc	cgtctacctc	tttgccgttg	360
acggcctgca	gcgccctttt	agcgttcttc	tttcctcgta	aaacaacgaa	gccaaacccg	420
gccagcttat	cacctttctt	gggaagcgtg	acataattga	ctttgccgaa	acttctgaaa	480
tgtaccgcta	gatcttctgg	ttccttgatg	ctccaaggca	agtttcggac	aatgagcttc	540
gggggttggg	tagatgtttt	ctgttggtgc	cgctgtttct	taagttcaag	ggcagcagga	600
gccggcacgc	ttttcccgag	gttctcatca	atctcacggg	ga		642

<210> 14161

<211> 1059

<212> DNA

<213> A.fumigatus

<400> 14161

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gccgatccag	accatggcct	tcctgaaagg	agcgccaccc	ctcgggctgc	agggggcact	120
ccgaattcag	ctactgctca	atccacggcc	cccaagggtc	aacaaccaa	accacaggca	180
cttgccaacc	gaaccggctc	ctccgcgatt	cttgtttcga	ccaggcaaaa	gggcaatcca	240
atactgaacc	acatcaaatt	gttgccctgg	gagtatgcag	atataccgcg	cgactatgtc	300
gttgagcgca	ccacatgtgc	gctgttctta	tcgttgaaat	accaccggtt	acaccctgaa	360
tacatatact	ctcggataaa	ggctcttggg	gggaaataca	tgctccggat	tatttttggt	420
atggtcgata	tcgaaaatca	cgaagatagt	ttgaaggaa	tctcaaagac	ctcgatcatc	480
aataattaca	ctctgatgct	ctgctggctg	gctccggaag	cagctcacta	tctcgaaact	540
tataagtcgt	ccgaaaacgc	tcaaccgacc	ggcatccgca	cccagcaagc	ccagtcttac	600
aaggagtctc	tggtggagtt	tggtacaact	cctagaagta	tcaacaaatc	tgatgcagcg	660
agtctgatat	ccacgttcgg	gagctacaaa	aacgctatca	acgccagccg	ggaacagatc	720
agtgccgtgc	ccggctgggg	cgaaaagaaa	gtacgtcaat	ggaccaatgc	agtaagggaa	780
gactttcggg	tggaatgcgc	gaagaaagcg	aaggcacctg	agaggaacat	tgagcatgac	840
caaaatcctt	caggcctcgg	cattgtgagc	cagacagggc	cctcaaatac	ggctgacgaa	900
gatgaagcag	ccttgtacct	ttcggaagcg	ggacagagga	gtggggtgga	tgcgaaaaaa	960
ggagccccag	aagtcgacac	tccacggcaa	tccaatcaag	aggaaatgag	tgaaggcatt	1020
agcgcagccc	ttgcgagact	tcgggaaaaa	ggaggttga			1059

<210> 14162

<211> 771

<212> DNA

<213> A.fumigatus

<400> 14162

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tctgccgaaa	atgtctttga	gctgggggtc	tcccccttgg	gaacctacct	gatcacttgg	120
cagcgaccct	ccaaggacgc	caacggagac	gccgtcaaga	acctcaaggt	ctggaagggtg	180
attgaaacat	cgcttgagag	caacggagac	gagcatacgg	ttgtgggcag	cttcggttcag	240
aagtcgcaga	cagggttgaa	cctccaatac	acgttcgatg	agagcctgtg	tgctcgcgtc	300
gtcaccaacg	aggttcaatt	tttccagagc	gacaacctgt	caaagggtctg	gaacaagctg	360
cgtgtggagg	gtgtgtctga	ctttgccctc	tcccccgcca	agaacaactc	gattgctgtc	420
tttatccctg	agcgcaaggt	tggtttcctt	ttttttcgtt	ttgatcgtgg	atctttcaca	480
aagattttaca	gccgacttac	ttggttcttt	gcgtccaggg	tcaaccagca	gcggtcaagg	540
tggttcaacgt	gcctcagttc	ggagcgccca	tctcccagaa	gagctttttc	aagggtgaca	600
aggtccagct	caagtggaa	agcaatggaa	cgactctgct	ggtgcttgcg	cagaccgagg	660
tcgatcgag	cggcaagagt	tactacggag	aaacaactct	gtacctgctt	agcgccaatg	720
gtggctttga	ttcgcgtgtg	gaccttggt	agtccttcgg	gtgtgtctta	g	771

<210> 14163

<211> 825

<212> DNA

<213> A.fumigatus

<400> 14163

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tccaccaccg	ctatcaaaga	cggccatcag	ggccagcctc	taccacacag	gcgccatgct	120
caccactcat	cttctgcttc	ggcgacctcg	acatctacct	tggaggccga	gcgagccgat	180
cgcatctccc	gtctcgccgg	gctggaacgt	gtcgcgaccg	cccagcgagg	aggcgcttct	240
cagtcgaatc	tcattgttcgc	gacggcgcac	ggccctggct	actttgacgg	cggatccggt	300
ttcaaagaaa	gaagcacctg	gggcagtgcc	agcgccaccg	gtagcgtggg	tgctcgtact	360
acctgggcaa	gcggtagcga	tgcgctcgat	gcggacaaga	tgagcgaaga	cacgaacgac	420
gacgacgaaa	cctctagcgt	gggaaatata	agtgaagggg	acgcgagcct	ggttgcattt	480
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tcgggggggtc	gtccgagttc	gctgggagct	ggaagtcccta	acatgagccg	agcgaatccc	600
ctcacatcgt	atcaacctgg	agttgaagat	tctgccgcgc	tgctcctcctc	gctatctcct	660
gcgggatcga	atatgccgga	acagatgcat	gacgctcgca	tgctggatgg	ggtaacctat	720
gacagtgatg	tggtcgacac	gactgtgaga	accccgcggg	ctgggccacc	ccatccagcc	780
atggccagtc	tgccaaccgg	aacgatgact	cgggagggca	attga		825

<210> 14164

<211> 219

<212> DNA

<213> A.fumigatus

<400> 14164

ctccaccgta	cagacaagga	aggctcgatt	cacgatgtgt	cctggaatcc	caactccaag	60
gaatttggcg	ttgtgtatgg	atatatgcc	gcgaaaacca	ccatcttcaa	cttccgggga	120
gtggccaagc	acagtttccc	tctggcacct	cgcaacacca	tctgtttctc	tccccatgga	180
cgtttctgtg	tggtcgctgt	cttcaccact	gggaactag			219

<210> 14165

<211> 573

<212> DNA

<213> A.fumigatus

<400> 14165

tcgtggatct	ttcacaaaga	tttacagccg	acttacttgg	ttctttgctg	ccagggtcaa	60
ccagcagcgg	tcaaggtgtt	caacgtgcct	cagttcggag	cgcccatctc	ccagaagagc	120
tttttcaagg	gtgacaaggt	ccagctcaag	tggaaacagca	atggaaacgac	tctgctggtg	180
cttgccgaga	ccgaggtcga	tgcgagcggc	aagagttact	acggagaaac	aactctgtac	240
ctgcttagcg	ccaatgggtg	ctttgattcg	cgtgtggacc	ttggttaagtc	tttccgggtg	300
gtccttagccc	atcgtacatt	tgctgaactcc	accgtacaga	caaggaaggt	ccgattcacg	360
atgtgtcctg	gaatcccaac	tccaaggaat	ttggcggtgt	gtatggatat	atgccagcga	420
aaaccaccat	cttcaacttc	cggggagtg	ccaagcacag	tttccctctg	gcacctcgca	480
acaccatcct	gttctctccc	catggacgtt	tctgtgttgt	cgctgtcttc	accactggga	540
actaggacga	tcccgcgagc	attaatcccc	ccc			573

<210> 14166

<211> 498

<212> DNA

<213> A.fumigatus

<400> 14166

tctctagtaa	tcagtgcac	tatctgcagc	ctttctttga	gaatgactcg	agcctggcga	60
tacgcccgcg	gcatttttgt	gtctcgtgac	aattttaaaa	tccattcctg	cccgcctgtg	120
aggctcgtgt	ttcgcttcca	accaagttct	cgatcgccac	ctttctcgaa	cactaatcgc	180
agaacaatgt	cttcatcttc	tttgagagt	cctcatgccc	tacggtcgtt	tccaagctct	240
ggctttgagt	tgattgatca	ctctgaaaag	attgaagagg	agacactacc	tacttaccac	300

```

gccgaaaagt actatccggt tcacattggg gaggtgttga acaaccaata tcaggtgctt 360
gcgaagctag gatacggcgt cacatccaca gtttggcttt gtcgtgacct gaggtacact 420
gaagcaaacc tgcttttgag aaatctgact aattatgtgt caaaaaaaaa agcagtgaat 480
ccaaatatgt ggtattaa                                     498

```

<210> 14167
 <211> 384
 <212> DNA
 <213> *A.fumigatus*

```

<400> 14167
ttatgtgtca aaaaaaaaaag cagtgaatcc aaatatgtgg tattaaggt taatgtctct 60
ggtgtagaga ggaaccatga aattagtgtg tacgaccgca taaatttagt ggaaacaaac 120
catctgggca aatccttcat ccgcaagtta ttgggacact tccacatcga aggtcctcac 180
ggccgtcata tctgctcgt ccaccaacct tttgggcca gtctggacca atttctgtct 240
tttttccccg aacgagtcct gagtctcgaa gatctaaagc catgtctcag gcaaacccta 300
gggattctag atttctcca caccgacgct catatcatac atacaagtga gatttctgtg 360
ccgaagaaca gtcactgttt ttga                                     384

```

<210> 14168
 <211> 360
 <212> DNA
 <213> *A.fumigatus*

```

<400> 14168
ttttgtgaag atcttcaatt gaagaacctg ttgcttctcg cagatgaccc acaaattttt 60
tcagccattg aagaggcaga aatcgaagag ccacaccta gagaagtact tgatgacagt 120
cggacaatat acttgagccg actacttctt ccaagcaatg gattaccact gctcagtgat 180
tttggagaag cccgatttgg tgatgaggaa cataatgaag atattatgcc aaacgtatat 240
agggcgccag aggttgttct aaaaatgaat tgggattaca aagttgacat ctggaatgtt 300
gccatgatgg taagaaaaaca gacttgcttg actctcaaat ttatctgtgt gctacactaa 360

```

<210> 14169
 <211> 210
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (155)
 <223> Identity of nucleotide sequences at the above locations are unknown.

```

<400> 14169
aggaacgctt caatactgaa ggagatgtcg acttccttgc tggatgatgag tactacgatg 60
ttcatgctgt ggccagtctt tttaacaat atttacggga gctcccaaca actgttctta 120
cacgtgaact acatttggat tttttacgtg ttctnctgct gtgccgctgc tttcctcgt 180
ttctccactt gttccaaggc actatactga                                     210

```

<210> 14170
 <211> 3018
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (88), (170), (2259)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14170

caaggaatgg	gcgctcttaa	ggttactgga	gaagaaccac	cacaaacatg	cgatcccagt	60
catcttttgg	gcaaaacccc	taccgggnga	ctgaccgcgc	gggtatctaa	ggacctgtgg	120
caaccatttt	cgtcgtcctc	tccaattgaa	cgtcaggatt	ctctaaattn	tgcacaaaac	180
cctcagaaaa	ttcatgcacc	atctttgaac	gatcaatctg	cattcgcagt	ccccaaaagt	240
ccgggaactgc	ttctcagccc	aagaccagaa	gaccgcctta	taggctctcc	cttgccccgg	300
atgcccaggg	aagtgccgaa	ctccctggca	catctgccga	tgtcttcaga	gaatagcctc	360
gcaggcttgg	ccctctcccc	gcgccctact	aaccatccga	atccctctgc	taccggagcc	420
tctaagccta	acgatactag	tccttcgcat	attgatgctc	acaggcatat	tgccacaatc	480
aaccatggcc	cgagaaagga	cactcctcgg	tcacattggt	ctcctgcccg	cgagatatat	540
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atacgagtga	aagtctcttc	gtcgcgactt	aggccttcta	gaaacagcta	tctggcacca	660
aagccttccg	aagaagagcc	ggtattcacc	ctgggtgttt	tttcgcggtc	agaaaacttg	720
gaactttggc	gcgtagagaa	ggcgtcgcgc	gcctccccgc	agctggatca	acagataaga	780
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cccgtagacg	agagagcggc	attagcgatc	tgtcaatttc	ttactatgga	tgcaatcgag	960
ccgcgagatg	acgagtcaag	tttgctgaag	ggcaactgta	aagcggcatc	ggaagttttg	1020
ccagggtcaag	atagaaaacc	tcaaaaggag	gggtatttgg	caaaaagggg	caagaatttt	1080
ggcggcttga	aaacacgata	cttcatactt	tatgggcctg	agttgaagta	ttttgaatcg	1140
ccaggcggtc	ctcacctcgg	aacaatcaag	attttcaatg	ctcagatcgg	caagcaatct	1200
cagcccgcga	ataacacaaa	caaccctttg	tccggggccc	aagatgactc	tgaaaaccaa	1260
taccgacacg	ctttttctcat	attggaaccg	aaaagaaaag	actcatcagc	gctcgtgagg	1320
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gggttcagtt	atgatgatgc	tgttcctgct	gaaccgcccc	ttctgggtcc	tccatccgaa	1620
aaacaaccac	cgagggtcccc	tatgtccctt	ttagaggcag	caatggaacc	ttcggacacg	1680
aaccgggctt	cggaccatgt	tcagctctca	tctaaagtga	tatctggacc	taccaacggt	1740
acagtgatcc	aggatgcagg	ggcctggggc	aataaaaacc	tcactactac	caaggagaag	1800
aagcgcagca	tctgggggtt	ccgcacaagg	tcctcgtatg	atcttgccct	gcagctacag	1860
gcgagccaag	aaccttcgtc	agctcaagct	gtcgtgaatc	cttctacaga	aagaaaagac	1920
ctcgttagcg	ctgtattcgg	aataccactg	gcagaggctg	tgcagcactg	cgccccgcct	1980
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ggagcagcaa	cagagggaag	tatatctcga	ttaaagcggt	ccaatgtggt	cgtcaaagcg	2100
ttgaaggaa	gcttcaatac	tgaaggagat	gtcgacttcc	ttgctgggtg	tgagtactac	2160
gatgttcatg	ctgtggccag	tcttttttaa	caatatttac	gggagctccc	aacaactgtt	2220
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gccctattac	gggcactagt	tcaatttttg	atcatcatta	tcaacaactc	cgatgtgaac	2460
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gagagttcta	tgctgttcat	ggaatacaac	caccaagact	caggtctccc	agctatgcgc	2940
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ctgagagaat	ccagggtga					3018

<210> 14171

<211> 516
 <212> DNA
 <213> A.fumigatus

<400> 14171
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 ggcttaaaatc actggctctg gttccgccat ttttcgaaac cgttaccctc atcacgagtg 180
 ggtgccaact ggcgtcagcc gtaccagggt gatatacgaag atataccgac ttccaccgag 240
 gtggcttctt actttggact ctgctgtgtg ctagttccat ttgccctttt tgctcagtctc 300
 agtgcagggg aaaatgtctt gccaaagtat ggatctgagt atgctgacagg cgagcatggt 360
 cctaccggtg gacgtactcg cattgctctg tcatcagaag ggaaaatgaa gaataagggg 420
 atggcaaaag ccgtggtaga cggcgtcagg gattggatta gcgaaaacgg cgcactgatg 480
 ggcttctgga ggagtgtgag gacaagaaga ttctag 516

<210> 14172
 <211> 375
 <212> DNA
 <213> A.fumigatus

<400> 14172
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 cggataactg atgaccaga agacgatctt cggttacaag cttcggaact cagcaacaag 180
 aggaattcgg aattcacatt cgacagcgtc gaatccctcc tagactttgc aacgaaaaga 240
 tggaaagagc gctgggtcac aacagatata ttggatactg cgaccataga gcgttttctt 300
 caacgacctt ttttctctt agtgagcgtc gatgctccag ttagtcttcg gtggaagcgg 360
 ttcacagaca ggtaa 375

<210> 14173
 <211> 642
 <212> DNA
 <213> A.fumigatus

<400> 14173
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 tttgttatat ggaatgatcg gcacctttac gataaagata ttggacgtgc ttatctgacg 120
 gatcgtgcgc aagtgcgatt gttcaactca tgctcttctc tggaggagct gcatgttgct 180
 cttgaagccc tgaatctcgc cgacgagcga cgtcttcgtc caaattggga cctgtatttc 240
 atgcaactag cttactcgc tgcgcagaga agcaattgca tgaagagaag agtgggctgt 300
 gtgctcgtta gggaacgccc tgtaatcagc accggatata accgggactcc tcggcatctt 360
 accaactgca atgaagggtg atgtatgaaa cctcccgaag gcttgacgct ttctctgatc 420
 ttatcgtgct gttctaagag agactcacat cgactaggcc cgcgatgcaa ccgtggagaa 480
 ggaggaggtg ttggcctatc gacatgtctt tgccttcatg cggaagagaa cgctttgttg 540
 gaagcaggcc gagagcgtat acgcgaaggc tcaatactct attgcgatac gtcagattcc 600
 ccggccccta cttgctgctt tccagatggt gatgacccgt ag 642

<210> 14174
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 14174
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 cgggtattag tactacagta tcctgtggcc tgtgctgtat ttctgatttc tggtactatt 120
 agcttcctc taactggact catagatgta tatatatata ataatacgga gaggctacac 180

gatgtgggat tggctgataa gaagtag

207

<210> 14175

<211> 486

<212> DNA

<213> A.fumigatus

<400> 14175

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tctattgcga	tacgtcagat	tccccggccc	ctacttgctg	ctttccagat	gttgatgacc	180
cgtagatgcc	cttgcttgac	gtgtacagtc	aagatcgctc	aagtcggtat	atcggaagtc	240
gtgtattccc	aaggatacaa	catggatcaa	gaagtttgtc	taaatcacca	ctcttttagta	300
aacgcagcta	acaggaggca	gagtgtctgcg	atcttgaaag	ctgcgggagt	atgtctgaga	360
cagttttctc	cggtaagcta	cacgatctct	accggactcg	acaaagaggg	cttacacaaa	420
tatagcctcg	aaacggcctc	atctatctcc	aaaattctca	gaccatttct	tcggatttac	480
ccttga						486

<210> 14176

<211> 204

<212> DNA

<213> A.fumigatus

<400> 14176

ccgaacaaaa	tgcagtacgc	tccatttgcc	tcggacattg	agctcccgtt	ctacacagcc	60
ctagctacat	tgaagataga	ccgtgacaaa	ctcgatgact	ctgctcgcaa	agtattaggt	120
ctgtacgaag	tgcgctctac	ggacgcaccg	aaaaattctt	gtcggatgca	gatacatgga	180
aatgcctca	ccagcgacga	gtga				204

<210> 14177

<211> 303

<212> DNA

<213> A.fumigatus

<400> 14177

tattccgga	agatactgga	tgccatagag	gacggcagca	tctacctgtg	tccgtcaaaa	60
ttatcctact	tcatgatact	gtctttcgca	gatctcaaga	agtataagtt	tcactactgg	120
ttcgcgtttc	ctgctcttca	ttcaaccctt	tcttggactc	ctgtaccata	ttctgaggag	180
atcgctcggtg	atactccggt	tgaaccgatt	aatagggtcac	ctttcaaggg	cttatccact	240
ctcgaaagtt	cgactcttgt	ggaagcagtg	cagacctggt	ctggcagtg	cgaagcttgt	300
ttt						303

<210> 14178

<211> 330

<212> DNA

<213> A.fumigatus

<400> 14178

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aacgctcgtc	ctctggagga	aaactttttt	tttagccggc	ttatgagaga	aaagtcgaga	120
ttgaaaataa	aagatctctt	cgtagacaag	atagaaggat	ttagcaccac	ttttgatcca	180
cattgtataa	tttattattt	caactgcata	agtacagat	caatcttggt	gtcatcttgg	240
tccccgttct	tgtttgccct	tctcttctcc	ctctttgtcc	tagtaattct	gtttctccac	300
acaattgtct	ggcccccaac	cccttcataa				330

<210> 14179

<211> 213
 <212> DNA
 <213> A.fumigatus

<400> 14179
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 aagaccgtcg agggagcccc ccgtcgctcg gccatgtgga ttgtgaagaa catgggtctg 120
 gtgggcttgt ataagggtgc cagcgccctgc ttgctccgtg acggttaagga caaaccgacg 180
 cgctccttcg acttctgtga acatgctttc tga 213

<210> 14180
 <211> 567
 <212> DNA
 <213> A.fumigatus

<400> 14180
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 agcgacgttt tcggcgagtc tcccacacag aaactcggca ttgtgcagct gctcactgcc 120
 ggtgccattg ccggtatgcc agcggcgat cttaccacac cctgcgatgt gatcaagacc 180
 cgtctgcagg ttgaagctcg caaaggagat gttcgttata atggcttgcg ccattgtgca 240
 gccacgatct ggagggacga gggtttcagg gccttcttca aggggtgggccc tgctcgtatc 300
 attcgttcgt caccgcagtt cgggttcacc ctggctgcct atgaactgct gcagaaatgg 360
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 gggtttacaga gcgcacaaagc acctcttccc tatctgaggt caaggaacgc tctgaagctg 480
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 aaattcctcc agccgtcgaa gcaatga 567

<210> 14181
 <211> 384
 <212> DNA
 <213> A.fumigatus

<400> 14181
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 ggtgaggccg acctcgacct cggaaactac gagcgctacc tcggagtcac tctcgggcgg 120
 gacaacaaca tcaccactgg gaagatctac caacacgtca ttgagaagga gcgtcgcggt 180
 gattacctgg gaaagacagt tcagatcggt ccacacctta ccaacgagat ccaaaactgg 240
 gtggaacggg ttgcccaagg tccgtgtggat gagtcagggc gggaaccgca cgtttgcattc 300
 atcgagttgg gcggtaactgt tggagacatt gaaagcgcac cttttgtggc ggcgatcagt 360
 cagttcgttt actggacgag cgga 384

<210> 14182
 <211> 1371
 <212> DNA
 <213> A.fumigatus

<400> 14182
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 gccggtagac tcacctcag tgactgggcg actttcgaga acctcctgac caagcccgat 120
 gccgaatatg agattgcttt ccgactcttc gatctcgatg gaacgggcac ggtcaagtgg 180
 gagacgttca agaacaata caatatgaat aagagcgggtg acagtatacc tttcgattgg 240
 aattcggaaat gggcttcctt gtactccgga cggagcaagg cccggcacga catgacatac 300
 ccccagttcg ctcatgctc cgaggattg cagggcgagc gcattcggca agccttccac 360
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 gagacctcga aacacaagct gtcggattat gtcctggaga accttcccag tctgtgcaac 480
 atctcagcgg gcaccaagat ctctacgct accgttcgtg ctttccagaa tgtcatgcgc 540

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caagttgtaa	gtgctgttga	gctctcccca	cactggaaga	ctgttctgat	ttcgccctct	1260
attagatatt	cacaaatccc	ctcgagattg	tcaagattcg	cctgcagggt	caggggtgaga	1320
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<210> 14183

<211> 960

<212> DNA

<213> A.fumigatus

<400> 14183

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gaacgattcg	gcaaaaatgtc	gtcgccgtgtt	attttgctcc	caggtgatca	tgtgccgtca	180
gataaaactgc	cctccaacaa	atctgtctcca	ctgagactag	gacctggcct	tcgactgctt	240
tctccagcaa	ttccttctcc	gtcatctggg	catgttattg	cttctacaca	ggccgggtctc	300
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gccacaaaga	agacgaggcc	aatgttaagg	caaggcgatt	tgggtctatgc	tcgagttcta	540
tccatcggtc	tcggtgctgg	cgcagaagtt	gagcttacct	gcgtaaaccc	agcaaccggc	600
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caaacggatc	agaggaaact	tgtgacgcgg	attctacgag	aaatgaagggt	tgagtcttga	960

<210> 14184

<211> 834

<212> DNA

<213> A.fumigatus

<400> 14184

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agaattactg	cgctgtactt	tgagcctgac	tattactatt	tgcaagatat	gaatgaagaa	120
cgcgatgctg	ttggttctcc	ggactctcca	acaacctcca	tgaaagggaa	attagaaaca	180
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attcggatgg	cgtctgcgaa	cccatcactg	gcggatagct	caacggacca	gaaggatttg	660
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ttcgctccat	ccgaggtcag	cgcgctggag	accttcaaac	ttcagttttg	caaccagcat	780
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<210> 14185

<211> 762

<212> DNA

<213> A.fumigatus

<400> 14185

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catgcctttc	cggagagcaa	tcataccggc	ttccacacag	acggccttca	gctgcgcacc	180
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gaagcagtc	cgaaccagct	tggcgccgtc	accaatgaac	atctgcacca	gctgaggtcc	600
agcaagcttc	aggaacgtcg	cgtttgtctc	tcggcgcgag	gctcgcgcaa	gaaggtttta	660
ccggtaccag	gaggaccata	catcagagca	cctaaagaag	aggagatatg	cgttagaatg	720
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<210> 14186

<211> 1428

<212> DNA

<213> A.fumigatus

<400> 14186

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<210> 14187

<211> 495

<212> DNA

<213> A.fumigatus

<400> 14187

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gccttctcct	tggcaagagc	gaagcagtc	cgaaccagct	tggcgccgtc	accaatgaac	480
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<210> 14188

<211> 441

<212> DNA

<213> A.fumigatus

<400> 14188

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<210> 14189

<211> 471

<212> DNA

<213> A.fumigatus

<400> 14189

ctttcagact	cgcacatcaa	ccttgtcacc	atgtcgaccc	ttgaagatct	ggaggatctc	60
gaacgcgagg	agagagacaa	gaagaaggac	cagggcgatg	gtgacggcca	gcagcctgga	120
ggagatggag	atgctgaaat	gaaagatgcc	gatgcaaaga	agaaggacga	agaagatgat	180
ttactggatg	aggagattct	caactcgagc	acagcagaca	ttgtcaagcg	gcgacggatg	240
ttggagaatg	agctccgcat	aatgaaaagc	gaataccaac	gattgaccca	tgaacagaat	300
actatgcggg	agaaggtgag	ggataaccag	gagaaaattg	agaacaacag	gtacgacatg	360
cttgtcactc	tagtcacttc	atctctgccc	tactgtcata	ggtctccgga	tggccggagc	420
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<210> 14190

<211> 210

<212> DNA

<213> A.fumigatus

<400> 14190

agatcaatat	cacgtgatgt	aggcacagca	gctgacgttg	tttggtcgga	gctcgagcat	60
cgccaggaca	gcttcaacc	tcccaccttc	tatcttgatc	tcccatcctt	cctcttttcc	120
ccgattacgc	accctcagta	ctctttcgct	tctcagattc	aattagcttt	cagactcgca	180
catcaacctt	gtcaccatgt	cgacccttga				210

<210> 14191

<211> 624
 <212> DNA
 <213> A.fumigatus

<400> 14191
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 acctgtataa ttactcttac tgacacttgt atttataggc aacttccata cctcgtcggga 120
 aatgtcgtcg agcttttgga tctggatgtt gaggcagagg ccgccgaaga aggagcgaac 180
 atcgatcttg acgctacgcg agtgggcaaa tccgctgtca tcaaaacatc gaccagacag 240
 actatctatc ttcctctcat cggctctgta gaccacgaga aactgaagcc cgggtgacctg 300
 atcgggtgtca acaaggattc atacctgatt ttggatacac taccgcgcca gtacgataat 360
 cgtgtgaagg ccatggaggt cgacgagaag ccgacagaga agtacacgga cattgggtggt 420
 ttggataagc agattgaaga gatagtggaa gccatcgtat ggccgatgaa ggaggctgaa 480
 cgattcacga agattggtat caaggcacca aagggtattt taaccgttct tcccccggt 540
 tcttcogtcg tcgtcggcca gcattctaac gcatactctc tcttctttag gtgctctgat 600
 gtatggctct cctgggtaccg gtaa 624

<210> 14192
 <211> 624
 <212> DNA
 <213> A.fumigatus

<400> 14192
 aaccttcttg cgcgagcctg cgccgcagag acaaacgcga cgttcctgaa gcttgctgga 60
 cctcagctgg tgcagatgtt cattgggtgac ggccccaagc tgggtcggga ctgcttcgct 120
 cttgccaagg agaaggcccc ttcgatcatt ttcattgacg aactcgacgc cgtgggtacc 180
 aagcgtttcg actccgagaa gtccgggtgac cgtgaggtgc aacggaccat gttggagctt 240
 ctgaaccagc ttgatggatt tgcttcggat gatcgtatca aggtcctggc tgcgacaaac 300
 cgtatcgatg tccttgatcc tgctctgctc cgttccggtc gactggaccg caagatcgaa 360
 ttccctctcc ccaatgagga ggcacgggca aacatcctgc agatccactc ccgcaagatg 420
 gctgtggacg acgccgtcaa ctgggcccga ttggctcgaa gtactgatga gttcgggtggt 480
 gcgcagctga aggcctctg tgtggaagcc ggtatgattg ctctccggaa aggcatgagc 540
 aaggctcggac acgagaacta cgtggatgct atcgccgagg tgcaagccaa gaagaaggat 600
 acaaatatgg gtattttatgt ctag 624

<210> 14193
 <211> 363
 <212> DNA
 <213> A.fumigatus

<400> 14193
 gatgccagcc tcattcatct ccgcattctgc cacagagctc tatttctgcc tcttccaaaa 60
 ccattaatgg ctttgaagtc cgtgaaagct ttgctttacc ccaatccaaa gcatgttgtc 120
 cagttcatgc agcagcccta tagcggagct acccagctag acaaaagcta ctacactgag 180
 ggtgcaaaca ggagttggaa ttttgccatg gtcgaggagg agatagcaga cctagttagt 240
 gggaaggatt tcgacgatct gacaagtaac attccatggt tctgggctaa gactctatac 300
 agaaccctgt tctccacacg caagccaaac gtaccagaca tcaactgcagc aaatggaaca 360
 taa 363

<210> 14194
 <211> 267
 <212> DNA
 <213> A.fumigatus

<400> 14194
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gcccgcattcc	gcccacacaaa	ctcgaagtcg	tctactatct	tccgtccctg	tatcgcacgc	120
accgaggcca	ccatcgaaaa	gggtgaggg	tgcattctca	gtggtgcctg	cgctgctgaa	180
aaagagattg	actacaagct	aatgcgcacc	cagaagccat	gtgtaatgtt	gcttgaccca	240
gtgcatagag	atcacttggg	ccactaa				267

<210> 14195

<211> 1056

<212> DNA

<213> A.fumigatus

<400> 14195

tgggtaaatgt	tgtcgtctgg	aagcgcgtctc	cgcgcgccat	cgctccaac	tggctgggtc	60
accagatcct	cttgggaagcc	ggactgcccc	agaacgtcat	acagttcgtc	cccggcgatg	120
ccgaagaagt	caccaacacc	gtactcaacc	accgcgaatt	cgctgccctg	catttcaccg	180
gaagcaccgc	cgtgttccgt	tccctgtacg	gaaaaatcgc	tcaggggggtc	gccgagggca	240
aataccgcag	ctaccctcgc	atcgtcggcg	aaactgggtg	caagaacttc	cacctcgtcc	300
acaagtctgc	ggacatccgc	aacgctgccg	tgcagaccgt	ccgcggagcg	tttgagttcc	360
agggacagaa	gtgcagcgcc	acctcccgcg	cgtacgtcgc	atcctccatc	gccgatcagt	420
tcctcgagca	ggttgtgtcc	gaaacaaaagc	agctcaagat	cggcgagcca	tccgacttca	480
ccaacttctg	cggccccgtc	atccacgaag	cctccttcaa	caagctcgct	caggtcatcg	540
aggaggccaa	gagcgactcg	gaactcgagc	tcctcgtcgg	cggtacctat	gactcctcca	600
agggctggta	cattcaaccc	accgtttacc	gcacctcgaa	ccccgatcac	cctctcctct	660
ccgcgagct	ctttggcccc	atcctgggtg	tgcacacctc	caacgacgcc	acagaggccg	720
acttctccaa	ggtctgcgag	aagattgacc	agaccgggtga	gtacgggtctc	acaggctccg	780
tcctcgcgca	ggaccgcgag	gccatccggg	ttgctggagga	tgctctccgc	aacaccgcgg	840
gtaacttcta	catcaactgc	aagagcaccg	gtgccgtgg	cggccagcag	cccttcggcg	900
gtgcccgtgc	aagcggcacc	aacgataagg	ccggcagtg	aaacttgctc	tcgcggttcg	960
tcagcttgcg	ctcgatcaag	gaggaattcg	tcctttctta	caagggtgag	taccctagca	1020
atgcgtaagc	taggcatgac	atgtgcttgt	cattga			1056

<210> 14196

<211> 447

<212> DNA

<213> A.fumigatus

<400> 14196

cataccgctt	gtgattgcag	gcaaggaggt	tcgttttata	aagtgaacaa	tctactaaat	60
caagagactg	acaattccca	gatcaagagc	tcgcaaacct	tcacacagtc	caaccctgcc	120
tctcgtgccc	cagtggccac	ctactccaac	gccaccgcct	ccgatgttca	ggcggctatt	180
gacgcagcgc	tggaggctcg	caagtcttgg	gccgctacat	cgttcgcaga	ccgtgcaagt	240
gtcttctctc	aggctgccga	tcctatttctg	accaagtacc	gctatgacat	tatggccttg	300
accatgcacg	gacagggcaa	gaacgcctgg	caggcggaga	ttgatgctgc	cgccgagctg	360
tgcgatttct	tcgggtttgg	cgtcaagtac	gctgaggaaa	tgtacgcca	gcagcctgtt	420
catcatgctc	ctggagtctg	gaagtaa				447

<210> 14197

<211> 228

<212> DNA

<213> A.fumigatus

<400> 14197

attcgtttcc	ttccaggccc	gtcgggtgcag	acaaacttca	caaagatgca	ttcctcgttg	60
ctcccccgca	tgcgcgcgca	gcaattcgcc	aaatgccgtc	ctcttactag	cagcttcgtt	120
cgctctaata	gggcgatggg	cacgtatgct	actttcaagg	tgctcgcgat	cgacaatgaa	180
cctaacgtga	gtttttcgac	tcttgtgccc	tcgagaaatg	gattctga		228

<210> 14198
 <211> 1320
 <212> DNA
 <213> A.fumigatus

<400> 14198
 ccatgcacgg acagggcaag aacgcctggc aggcggagat tgatgctgcc gccgagctgt 60
 gcgatttctt cgggtttggc gtcaagtacg ctgaggaaat gtacgcccag cagcctgttc 120
 atcatgctcc tggagtctgg aagtaagttt actttgcatt tgcgatcaag gatgacaatg 180
 gctaaccagc gcagccgcgt tgaataccgt cccctcgaag gtttcgtcta tgccatcagc 240
 cccctcaact tcaactgccat cgggtggaat ctggccggcg cccctgctct gatgggtaat 300
 gttgtcgtct ggaagccgtc tcccgccgcc atcgctcca actggctggg taccagatc 360
 ctcttggaag ccggactgcc caagaacgtc atacagttcg tccccggcga tgccgaagaa 420
 gtcaccaaca ccgtactcaa ccaccgcgaa ttcgctgccc tgcatttcac cggaagcacc 480
 gccgtgttcc gttccctgta cggaaaaatc gctcaggggg tcgccgaggg caaataccgc 540
 agctaccctc gcctcgtcgg cgaaactggg ggcaagaact tccacctcgt ccacaagtct 600
 gcggacatcc gcaacgctgc cgtgcagacc gtccgcggag cgtttgagtt ccaggggacag 660
 aagtgcagcg ccacctcccg cgcgtacgtc gcctcctcca tcgccgatca gttcctcgag 720
 caggttgtgt ccgaaacaaa gcagctcaag atcggcgagc catccgactt caccaacttc 780
 tgcggccccc tcatccacga agcctccttc aacaagctcg ctcaagtcac cgaggaggcc 840
 aagagcgact cggaactcga gctcctcgtc ggcggtacct atgactcctc caagggtcgg 900
 tacattcaac ccaccgttta ccgcacctcg aaccccgatc accctctcct ctcccgcgag 960
 ctctttggcc ccactcctggg tgtgcacacc tacaacgacg ccacagaggc cgacttctcc 1020
 aaggtctcgg agaagattga ccagaccggg gagtacggtc tcacaggctc cgtcttcgcg 1080
 caggaccgcg aggccatccg ggttgccggg gatgctctcc gcaacaccgc gggtaacttc 1140
 tacatcaact gcaagagcac cgggtgccgtg gtcggccagc agcccttcgg cggtgcccgt 1200
 gcaagcggca ccaacgataa ggccggcagt ggaaacttgc tctcgcggtt cgtcagcttg 1260
 cgctcgatca aggaggaatt cgtcccttct tacaaggttg agtaccctag caatgcgtaa 1320

<210> 14199
 <211> 765
 <212> DNA
 <213> A.fumigatus

<400> 14199
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 tctacttgca accgtgtaac ccaagttaat gacattaatg acaaaaaggc cggctcttca 120
 gacacccccg ccgagaaaaat caccacggac cgcaaccaga ttgtctccga cctccgcgaa 180
 ctggccgacc tgctcgcaaa atgcaacatg cgcctagcct acgagaactg gtgctggctc 240
 acccacgccc ccacctggaa agacgtctgg gaaatcgtca aggcggctca ccgccccaat 300
 atcggcctgt gcctggatac cttccagacc gcagggtccg agtggggcga tccccggacc 360
 atctccggcc ggatagacga catggacgtt gacgagctga accggcgctt cgcagcgagt 420
 atggacgagc tggcgcggtc tatcccgccg gagaagatct atctgctgca gatttcagac 480
 gcgtataagc ccaccggcc gatcgaggat aaggatgatc atgggcttcg gccgcggggg 540
 cgctggagcc atgatttcgg gccgatgccg tacgacgggt ggtacctgcc catcgaggag 600
 gtggcgcggg cgggtgctcaa gaccgggttc cgggggtggg tttctatgga gatctttgat 660
 ggggggaatc aggggaaggg gaagaagtag gatatgatcc cgtacgcgaa gaatgcgatg 720
 gagagtatgc aaaggctcct gaagaattgc tcagatgata gatag 765

<210> 14200
 <211> 474
 <212> DNA
 <213> A.fumigatus

<400> 14200
 acgaaacctt cgaggggacg gtattcaacg cggtcgcgt ggtagccat tgtcatcctt 60

gatcgcaaat	gcaaagtaaa	cttacttcca	gactccagga	gcatgatgaa	caggctgctg	120
ggcgtagcatt	tcctcagcgt	acttgacgcc	aaaccggaag	aaatcgca	gctcggcggc	180
agcatcaatc	tccgcctgcc	aggcggttctt	gccctgtccg	tgcattggtca	aggccataat	240
gtcatagcgg	tacttggtcg	aaataagatc	ggcagccttg	aggaagacac	ttgcacggtc	300
tgcgaacgat	gtagcggccc	aagacttgcg	agcctccagc	gctgcgtcaa	tagccgcctg	360
aacatcggag	gcggtggcgt	tggagtaggt	ggccactggg	gcacgagagg	caggggttga	420
ctgtgtgaag	gtttgcgagc	tcttgatctg	ggaattgtca	gtctcttgat	ttag	474

<210> 14201

<211> 894

<212> DNA

<213> A.fumigatus

<400> 14201

tgcaaacttg	tggactcgca	gggccaagta	tgtcgaggat	tttcgtcatt	tgcaaggcat	60
accgtaagc	gcaagactaa	cctgtgtcgt	atgtctttta	gttcggccaa	attgtctctg	120
tccatgacag	gaaccgacgg	aaaggacggt	ggcgcgaaag	tcgatcttcc	ccgcggacac	180
acatcaaagc	gtttcggccc	ggatagctcg	cacggcggtc	gatcgaatcc	cttcaatgca	240
ttatcccccc	tctcgggtgg	cgtttcttct	ccttccacta	acgcatactc	cgcattttggc	300
ttgggttcgg	gcgcattcgc	gtcctttggt	actcccaaga	cgcttggcac	caatgcgtca	360
gacctgaatt	cgtccaaagc	gctgggggag	aagcgagaga	cggttccgga	gcaggattcg	420
gcagcgggatg	tcaaggccaa	ggcttcagcc	tcctccttga	ctggcccga	agaacattct	480
ctgaagtcta	cgtgggtgat	ctgggtaccgt	cccccgacac	ccaagtactc	tgactatgag	540
aagtcaacca	ttcctcttgc	atctatatcc	tcgggtcgaaa	gtttctggtc	gatatatata	600
catctcaaac	gcccacgct	tctccccacc	gtctccgact	atcacatttt	taagaaagg	660
atccgtcctg	tatgggaaga	cgatgccaac	aagaagggtg	gaaagtggat	tggtcggctg	720
aagaaggggag	ttgctgaccg	gtattgggag	gatcttctgt	tggccatgat	tggtgaccag	780
tttgccggagg	ctagtgatga	ggctctgtgg	gctgttctca	gtgtaaggag	cggagaggat	840
gtgttgagtg	tctggaccgc	gattgacggt	gggcgcaata	tcaagatcag	gtaa	894

<210> 14202

<211> 321

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (151)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14202

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gagtttctgg	ctccgcta	ttctcccaat	cgccggtcaa	atcgtcagaa	tcccatcccc	120
gctccgcat	cagatgtcac	ttctgatgag	ntacaacgga	ctcagggtgc	cggcgtaagc	180
gatgctcctc	atctagggtc	tttagcgtct	gtcattcaat	ccgggattga	accatctatt	240
caggcccgca	atgtgagttg	gaattatgcc	ctctcaatcg	ttctagtttc	ttctcctatc	300
ccctctcgtg	tacactttta	a				321

<210> 14203

<211> 855

<212> DNA

<213> A.fumigatus

<400> 14203

ccgttgacaa	tggacgaccc	tccgccgctt	ccaccgcctc	acggcgagaa	tccgaacaca	60
actcacggat	tcaagaaagg	ctccggtctt	ccggacggaa	actacgatat	ctttatcatc	120

ccacctcatt	cctcggggtc	tgggttttcta	taccttcct	ccctacagac	tcaccggaac	180
agcttcctgg	ccggcgctgc	gtccgcgcta	gcggtggttt	acatctggca	gacactgtct	240
cccatgtga	aggcatggta	tcttgctaca	gccgccaatg	gtggcggaat	gggagttgcg	300
gtcctactgg	ccatcgttgg	cattgcggga	tggggatttg	gtgcatacca	agcacatata	360
gccggttcaa	accgagactc	cggaggaagc	tctcaatccc	gccagtctgg	gccagggggc	420
cgggggggac	ctggtggagc	tagatttgga	ggacatggag	ctgccggcgg	tggcggtctc	480
taccatcagt	cctcgggtgc	aggccctggc	cgggactatt	cgagagggcc	caatttcggt	540
ggccctagtc	cagggccgca	agggacttac	ggcagtgggg	gtaactatgg	agccggcccc	600
ggcccaggtg	gcccataccc	tgggaatcag	tatggcgctg	gcgccgcgcc	cccaccgccg	660
aatgccggga	ccccacccca	tactcctcog	aatgccgacc	cgggtccaga	aaaaccagag	720
cggacttctg	aaaggagcga	aagcaaaagt	aagagcggcg	aagattggga	acgagctcgt	780
gaagaaacga	ggcggaagga	ggagctcagg	cgaagaggtt	ttaccaaacg	ggccgacgga	840
tccgagcaaa	gaacc					855

<210> 14204

<211> 282

<212> DNA

<213> A.fumigatus

<400> 14204

gatgtcaata	ctccggagtc	gtttactgat	tcttggaata	gcaacgctta	ctacccccca	60
catagtcata	gcggcttgac	gacgcctctc	atccgacggg	gcactcttac	catcacatat	120
ccggacgata	actccaaatt	gcacaatgga	gaagtcaaga	aagagacgtt	tggagtgggc	180
gcaaggatcg	atgtgcccgc	tggtaagcta	catgaggtgt	tggatggaaa	agatggctgc	240
gaatatgtta	tcgggggatt	taaatttcog	atcagctttt	ga		282

<210> 14205

<211> 279

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (37)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14205

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aacaccggac	agacgatgtt	cttcctctgt	ttcctgttcg	cggaactgcc	ttcgcagctc	120
atctccaagg	cactcggggc	ggatcgctgg	atccccattc	agatgggtctg	ctggagtgtg	180
atcgccgctt	tccagtctct	catcaagggc	aagagcgcgt	atttcgcttg	tcgagcgctt	240
ctcggattat	tcgagggcgg	attgtacgtt	gagctctaa			279

<210> 14206

<211> 237

<212> DNA

<213> A.fumigatus

<400> 14206

gtgtccggct	gggtcagaca	cgagtgtcta	tatcctatta	acgatgctca	gatctatcgc	60
gaaaatgaca	aaccgtatta	ccggaccggg	aacaaggtgc	tcattgcctt	ggcgggtatac	120
agcttggttc	tcttcgttgt	ggctcgggtc	tactatgaat	ggcgaaacaa	gtacgttttt	180
tcttttccat	gtttcaaaag	atggcttcaa	aaattaatct	gtgtcgtgtg	tcgatag	237

<210> 14207

<211> 192

<212> DNA

<213> A.fumigatus

<400> 14207

gtgaccgacc	cgacgacccc	taagagttcg	aggattcgat	atttccatcg	ggtgatctcc	60
agtccagatt	ggaccgattt	aacactagac	acaggtaa	tcaatgcac	caaagaggag	120
aatgatcctc	gcaaggacgc	aaacaccacc	tcttgtcaaa	aatcaagctt	atgctctgga	180
aacttcgggt	ga					192

<210> 14208

<211> 933

<212> DNA

<213> A.fumigatus

<400> 14208

gctctaagcc	accggtccca	taagactgac	tttttacc	cccatagcat	tcccgcacgc	60
atcctcttcc	tctccttctg	gtacaagtcc	aaggagctgc	ccatccgcct	gagctacttc	120
tgggtctcgt	acgaagccac	cgccatcgta	ggcgatttcc	tcgccttcgg	cttcctccac	180
atccgcgaca	gcgacggcaa	aggcggtctg	cgctacctct	tcgccttcga	aggcctcatt	240
acaggaatta	tccgcatcat	cgccgatttc	tggatgcctg	cgtccccgac	acagacgaaa	300
ggcggctttc	gcggaaaagaa	cgggtgggttc	aacgagcacg	aggaaaagat	cctcgtgaac	360
agagtcctgc	gcgacgaccc	cagcaaaggc	ggcatgcata	accgacaagc	catcaccccc	420
aagatgctct	ggcaggcgct	cggcgactac	gacatgtgga	tcatttatct	gctgggtctg	480
acgtggctga	tccccaacac	gcccggcgacg	agctacatca	cgtgcagct	caagtgcctc	540
gggttcaaga	ctttcgagac	gaatctcctg	actatcccg	cgtacgcgat	cttcacgccc	600
aacctgctct	tctggacttg	gatctcggag	cggttcaatg	ttcggttcct	cttgggtgtc	660
gtggcggaag	tctgggtgtct	ggttctgctg	attgctctgg	aggtgttgcc	cgccgaggcc	720
agtccctggg	cccgatgggt	cattttgata	cttcttcttg	ggcgccgta	tatccatgcg	780
attattgtgg	ccatgacctc	gaggaacgca	ggaacagtgc	ggacacgaac	ggttgccagc	840
gcgctgtata	acatgatggg	gcagacctcg	aatatcattg	ccaacaatgt	aggtgtccgg	900
ctgggtcaga	cacgagtgtc	tatatcctat	taa			933

<210> 14209

<211> 450

<212> DNA

<213> A.fumigatus

<400> 14209

caaggggacc	aagtgtccgt	ctggatcgtg	ctgcagccag	tatggaaatt	ggtgtgtttc	60
ttctttttct	tcttttgtta	tctttttcac	cccctactca	actctactaa	gacgcttctg	120
ggcttggtta	atccgaacag	cggcaccggc	gatgacttct	gccaggcagg	ctgtctctca	180
gactatggcg	agtgcagggg	aattttccgtt	actgattcct	ggcgtcgtgc	gctcaaggac	240
ggcaagacgg	atgaggaggc	aggcggacag	tactactggg	atagcacagt	caatctcttc	300
tggacttggg	ataccctcgc	gatcatcgac	cgcaagttca	aggatatcgt	gaatgctgag	360
aagctgggcg	gtatcatggc	ttggagtcctg	ggagaggata	ctctgaactg	ggagcatctg	420
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<210> 14210

<211> 918

<212> DNA

<213> A.fumigatus

<400> 14210

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gacgcaattg	gcaaggacaa	gattctgtct	gttgacgtcc	caggtaaacg	cggcgacatg	180

attgccttca	ccaaggaaca	aggacccaag	atctggctcg	ctgtcgacat	ggcacaacgtc	240
atgtcgtatg	acttgatgaa	ccgccgtgac	aacgtgacga	accaccacag	tggcgtggcc	300
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ctgggattcg	cgtattatgc	caagtgggtc	atgactgac	cgaacagcga	ctgcgtctag	420
cagccgatcg	gatgtgccgt	cgttccgctg	gagaacctg	acggatcgga	ccctggcaaa	480
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<210> 14211

<211> 768

<212> DNA

<213> A.fumigatus

<400> 14211

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cccgtcgatg	gaacagaagt	ataccaactc	caacacctg	aacatcaccg	gcagcaacaa	300
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cccaaccact	accaccagaa	gaacactacc	aatcaatcaa	ccgacaaaat	cctccaagca	480
tatctccaca	ccctgcacac	ctcccacttc	tgcgcgcaca	ccctctcgca	atacgccccc	540
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cgcgggtttc	tggggcgagg	gaggcgatgt	ctgatgcagg	cgaggaggga	gagggagaaa	720
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<210> 14212

<211> 324

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (34)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14212

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gccattgggtg	gatggggcga	taccgctggc	ttctccgagg	gagccaaaga	tgaagcctct	240
cggaccaagt	atgcgaagaa	cgttgcaaca	atgattaaca	atctgggctt	cgacgggtgc	300
ggtaagttca	aaatcgcggg	atga				324

<210> 14213

<211> 1545

<212> DNA

<213> A.fumigatus

<400> 14213

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tacagaagat	cgatcccagc	accccggcct	acgggcagcg	gccgaagcaa	ccctcccagg	180
ctgggcccga	gagacagcgg	caatatgtcg	ttcgtcatgc	tcacggagtc	acaggtcggc	240
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gaggagcttg	tgcatttga	gaaggaaaag	gccgccctgg	acgaggaaat	cgcagctctg	660
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aatgttgcca	gtgctggatc	cagtaattcc	gcagctgtgg	ccgctgcagc	tgtcgcagcg	1500
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<210> 14214

<211> 1635

<212> DNA

<213> A.fumigatus

<400> 14214

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tcgatctttg	aacgcattct	cgaaaaatac	gggaaagatt	tcacggatat	tggggatgaa	180
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<210> 14215

<211> 2841

<212> DNA

<213> A.fumigatus

<400> 14215

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<210> 14216

<211> 345

<212> DNA

<213> A.fumigatus

<400> 14216

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ctgtacttcg	aggacaatgc	tggtgtggtg	agtacacctt	ttttttgtcc	cttttttctg	300
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<210> 14217

<211> 240

<212> DNA

<213> A.fumigatus

<400> 14217

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<210> 14218

<211> 1716

<212> DNA

<213> A.fumigatus

<400> 14218

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<210> 14219

<211> 744

<212> DNA

<213> A.fumigatus

<400> 14219

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<210> 14220

<211> 243

<212> DNA

<213> A.fumigatus

<400> 14220

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ccatctcctc	acatacaaga	tcttccaaat	caactacctc	gagacctgta	tgaaacgctg	120
cctccgcgcc	cttgctcccc	ttccccgcgc	tcacccgctc	aagtcggagg	acacgatcat	180
attccgcccc	caggggcagg	tcagaaagcg	tcttgtaagc	tgctgttatc	tcgtcgatgg	240
tga						243

<210> 14221

<211> 234

<212> DNA

<213> A.fumigatus

<400> 14221

agacaaatcc	gaggcacgga	tcagaatggg	aaaaactgta	agatcacccg	tgacgagatg	60
tggcaggctt	accaggatat	tcgcaatatt	gggggctgtg	ggaagtgcgg	gaccaagcat	120
tttggaatg	gatgtatggg	cagcgctgac	tattactatg	gctgtgataa	tcgagataag	180
ggcgtgcagg	ttatggcagc	tttcgctgag	actaacctaa	cggactctat	gtag	234

<210> 14222

<211> 282

<212> DNA

<213> A.fumigatus

<400> 14222

gacttgagga	tatcctccct	tctcatccat	tcgtctgcca	tgcggtactt	gcctcagcca	60
atcgggtccg	atgatgacag	cgacacgagc	agcgacattc	cagatatctt	ctcagatagt	120
gttgctgatg	atatctcaga	gagtgcaccc	aagctagaca	gcagcgatga	cgactctgac	180
gattccaatg	atgatttaat	cctagatgat	gaggaaggac	aggagctttc	cgcttgcac	240
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<210> 14223

<211> 198

<212> DNA

<213> A.fumigatus

<400> 14223

aacctttcgc	tcagtctagt	ccgcaatcca	gatggaggac	gtccttgggt	attcatttac	60
tcaaccccg	agttttacaa	aactttcttg	ggtgagaagg	atgattgcca	cgccgttttc	120
gacgcgacat	ccacaactga	actcaactgt	gcttacattc	ataaggctat	atcttcggct	180
ccacacttat	atccttag					198

<210> 14224

<211> 555

<212> DNA

<213> A.fumigatus

<400> 14224

ggtcgacat	tctctcgagg	aactccattt	tttttctctc	tcctcttcat	cattgttctt	60
ttgcagagga	ccggtatctg	cggtatcact	gttggaaccag	ctgttatggc	tccaattcag	120
tcacaggggtg	ccgatgtgga	ggtttgccct	ggcgacccat	cattgcgcga	tgatggcgtc	180
tctaagaagc	caataacggc	cgaagaggcc	atggagattg	ccatcggaga	aagcaatata	240
gtcagagtata	cgatcgattc	ggataactcg	ccctatttgg	aagtccgggc	taatgtgccc	300
aacactgatg	atcctacgct	acctatcaac	acatttcgga	tgtgggttct	gggggttgtt	360
ttcaccttgg	taggtgcagt	tcttcatcag	ctatcgatgt	acgctgtccc	tactgacttg	420
ggtattgatg	caggtcggca	cgggtgtcaa	ccaattcttc	tcgatgcgtt	atccgagtgt	480
taccatcacg	tcccttgtgg	cgcagctggt	cagctaccct	gtagggtgct	ttttcgcaaa	540
ggtactgccc	attaa					555

<210> 14225

<211> 468

<212> DNA

<213> A.fumigatus

<400> 14225

gcaagtgtta	tcattcaagc	acaaagagtc	ttcctcaata	tgccaacccc	agttgggttac	60
caaatacttg	tcgctctgtc	tatgcagatg	ttcggccttg	gcctggctgg	actatcatat	120
cgatatatta	ttgaaccccc	gcagatggta	tgcaagcac	tcagcagga	agaggaagaa	180
actgaccacc	tacagatctg	gccttcgacg	ttagccaatg	ctgcactgtt	tcagacactt	240
catagcggcg	cgaacccgat	cgctgatgga	tggaggatct	ctcgttatcg	ctttttcttg	300
tatgtcttta	ttgggagctt	ttgctgggat	tggctccccg	gctatatatt	caccggacta	360
agcacattcg	ctttcatttg	ctgggcccgt	ccaagtacgt	cctcgattcc	tcccaatgag	420
ataggtgatt	tttctaacag	ttcactttgc	agacaacaaa	gtacttaa		468

<210> 14226

<211> 186

<212> DNA

<213> A.fumigatus

<400> 14226

gtaaacgatt	cagctgtctt	tagcctgaat	caatcgaacc	cgaagttggc	catgggttacc	60
gctgttattc	gcttatccac	cgttttggcg	tccgattacg	accgagcatg	gtatcttgct	120
ccaccgggtc	catccatcac	atatcgattg	tggttggatt	tggttgacaa	gaaatgggtt	180
gactga						186

<210> 14227

<211> 561

<212> DNA

<213> A.fumigatus

<400> 14227

gtgcagttct	tcatcagcta	tcgatgtacg	ctgtccctac	tgacttgggt	attgatgcag	60
gtcggcacgg	gtgtcaacca	attcttctcg	atgcgttacc	cgagtgttac	catcacgtcc	120
cttgtggcgc	agctggtcag	ctaccctgta	gggtgctttt	tcgcaaagg	actgccgatt	180
aagaagggtc	gcctcttcaa	tcgggtggat	ctggatcatc	atcctgacca	ccatttcaac	240
atcaaagagc	atgctgtgat	caccattatg	tcgaatctca	gtttcaacca	gtcatgggtg	300
agtgactacc	gaccttggac	caaaggagtg	cctctgacaa	agagtaggca	agtgtctatc	360
ttcaagcaca	aagagtcttc	ctcaatatgc	caaccccgat	tggttaccac	atcttgctcg	420
ctctgtctat	gcagatgttc	ggccttggcc	tggttggact	atcatatcga	tatattattg	480
aacccccgca	gatggtatgc	agagcactca	tgcaggaaga	ggaagaaact	gaccacctac	540
agatctggcc	ttcgacgtta	g				561

<210> 14228

<211> 585

<212> DNA

<213> A.fumigatus

<400> 14228

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tcccccttgg	tcatgccatt	ctgggcacag	gcaaacgtgt	tcgcccgtcg	gttctgcgtt	180
tatgcagtga	ttgcgccaat	cctatactac	accaacacat	ggttcactgc	atacctccct	240
ctgaccggat	ctgatgcgta	cgacaatact	ggcaacgtct	acaattcgag	ccgaattctg	300
gatgcgagcg	gtgtcattga	cgaacccaag	tatcgcgaa	acagcccgat	ctttctgcct	360
gtgacctttg	ccctgagcta	tggactcggg	tttgctgtcc	tcagctgtct	gatcaccac	420
gtcctgtctc	accatagcaa	ggatatacct	agcacattca	agggcaacaa	taaaaaggat	480
atccacgcaa	gactgctttc	ccgctacccc	gatgttccat	ggtgggtggt	tgcagtcctg	540
acggtaagtt	caggcgcttc	agcaatctcc	cctggcaaa	gctga		585

<210> 14229

<211> 318

<212> DNA

<213> A.fumigatus

<400> 14229

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gcggtagcaa	tcatgacgca	gtatatctgg	catcacaggac	ttccattctg	gggcctcttt	120
atcactcttg	cccttgcggc	aatctatgtg	ataccgctcg	ggaccgtcta	tgccgtcgct	180
aatctgaaca	gtaatgttct	gactgtactg	ggagagatta	tctcgggcta	tacgtgaaa	240
ggaaagcccc	ttgtgcttct	tatatccaag	gtaaagcgca	gtcttcacca	cggggctgga	300
aggatccgcg	gtggcgat					318

<210> 14230

<211> 594
 <212> DNA
 <213> A.fumigatus

<400> 14230
 ccttcctatc gggcgataaa agctgaccgt cagcgtgtct ggcaccctca ttctgcgacc 60
 agccagatca acacaacaag tctttccttt ttgactctca tagtggtcct gaaatcctca 120
 atatctcatt ttcgtactct tcaggacaag gtcattggcg taaccaagtc atcttccctt 180
 ttgatcgtgg gggcaggcac ctggggcaca tcgactgctc tccacctggc acgaagagga 240
 tacacaaatg tgacggttct agatccctac cccgttccct cagccatctc ggctgggaat 300
 gatgtgaaca aggtcatctc ctccggccaa tatagcaaca acaaggacga aattgagggtc 360
 aacgagattc tggctgaaga agcgttcaat ggctgggaaga acgaccctt gttcaaacca 420
 tactatcacg atactggatt gtcattgtcc gcctgtctcc aggaagggtt ggaccgcctt 480
 ggagtcctgt tcaggcccg tgaggacccc aaccttgtgg aactgacacg gccggagcaa 540
 ttccgcaaat tagctcctga cgggtgttcta cagggagatt tccccggctg gaac 594

<210> 14231
 <211> 1665
 <212> DNA
 <213> A.fumigatus

<400> 14231
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 aacaccgtca tccatcctcc cctgtcttc caccctctc cgggtgcaagg ctcccggaag 120
 cgcatgatg gaggggtctca cattggcact ccaaactccc ataagcagg taaggcggcc 180
 gagggcgaca agtctggagc atctgccaa cagggcggag ttaccttgat taaagggtccc 240
 tccggtaacg atggtggcaa cagcgtctgag atcgagtttg acagcaagta tgcattctgcg 300
 gtggaagatc attacaagga tgaccattct gtggatatca agaaccacgt cgttgcgcca 360
 cctgcggtgc caaagggtt cgcgaacgc ggcagcgacc cggttttgtt ggggtgtccc 420
 agcggggatg atgaagggaa tgatgctgac tttgtctttg atgacgacta ctctctgacg 480
 gtcgacgacc actatgtgga tgatcattcc gtcaaggcag agaattggat tgtgcacgtt 540
 cccccgcccc cgtcgcgcc tctgcttgag cctctgcctc ctcaaaaacc ctctttctgt 600
 ccccttatg ctcagggacc tctctcccag gcaactgcgc ctctttctgc tggcaaccca 660
 gaaccgcctc aaggagtga cccggcagca agcagagccat gcaccacatc cacattcatt 720
 gagactgtca tcaagacctt tgcagatgac ccggtggcaa ctaagccgc tgccccatac 780
 agcccgctg agcattctca agctcatgtg cctcagacat atgtctccat cgagcccagc 840
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 gaggttgagc ctcccaagga ccacgagaag cctggccccc agaagccaga gcctaccac 960
 cctcattca ccacgtcgaa ggtggaagg catccccag ccaactggcg ttctccacc 1020
 cacgaggtt agcctcccaa ggagtacgag aagcctggcc cccagaagcc agagcctgcc 1080
 caccctcat tcaccacgtc gaagggtgaa ggtcatcccc agccactgt tccgtcatal 1140
 ccccgagcgg aaaacctcca ggaacccctt gaggacagcg ctccactga cctggtccc 1200
 ggccagtctg aaggcgatgc gtttccttgc cctcgggta agcccgagg tcaccagcct 1260
 gagcatgccg ctcatgagta ccaaccgcat caaaccaggg gtgttgacct gcaggaagct 1320
 cccaagcacg cgcccaccgc ggtagagccc ctgacctca tcacgtccac catcacgtc 1380
 agctacacct cctccttctg ggtcgttccc gtttacatgg actcgagcca caagacttcc 1440
 tgcacgtcgg gagccacca gcgaccacc gacgttgacg cccacaacag tcaccacgcg 1500
 ccttctctgg cacacagcca ggccgtcaaa cccacgcacc acgtgtctcc gtcgcccagc 1560
 catagccaga ctctgttcac tggcgccgccc ggccgcatca caccgctgc tggcgttgtg 1620
 tcagccatgt gtggtctcat ggtgttctt gccttctgtg tgtaa 1665

<210> 14232
 <211> 462
 <212> DNA
 <213> A.fumigatus

<400> 14232
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gtgccacgcc ccgaccagcg cagcgaaagc caccagttcg ataaccaggg ccttgccgag 180
ccatctctgg ctttcgccgc ggataacgcc actgatctgc ctccggagcac caaggagatg 240
ggcgcaagcg gtgaggctgt caccgggaact ggcgatgcgt tccctgtttc gggcgagtcg 300
aagaggatta accccgggtgc gatggaccct ggtgcgcgcg gaaatgcgcg gacgatcaag 360
catgcgaacc tcaatcggag tatatttgat cggttggcga gggaagatgg aaatgcgcac 420
gagtttatta gggagcatga gtttcggaat cgggatgagt ga 462

<210> 14233
<211> 462
<212> DNA
<213> A.fumigatus

<400> 14233
cctccatcac gtccaccatc accgtcagct acacctctc cttcgcggtc gttcccgttt 60
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ttgacgcccc caacagtcac cagcgccctt cctcggcaca cagccaggcc gtcaaaccga 180
cgcaccacgc tgctccgtcg ccgacgcata gccagactct gttcactggc gccgcgggcc 240
gcatcacacc cgctgctggc gttgtgtcag ccatgtgtgg tctcatggct gttcttgctt 300
tcgtgttgta agctgtcatt cgtgcgcgtt atagctgtgg catttggtgt tctaattaac 360
attctattct ctcgtttttc gtattttaat tcttttata cattgggact tgactttgct 420
cttacgctcg ctctactgtc tgtattcggt tctttacaat aa 462

<210> 14234
<211> 558
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (54)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14234
acatcaactg gcacgcacct cgttacagcc ggtcaagatg cccgaatccg agtntgggac 60
gcctccacag gtgccaatac ccttgctccac tttgggcccc ggggtccgga tggcgtgtct 120
tctcatcttg ccgagcgggc tccgctgatt gtgccccgtg gactaatggc tccagggcaa 180
gagaccttcc tgtgggcca tttcaacgag cagcagcacc gcggcgagat tttcatgttc 240
gaacttcgag aggggacgtt tatcaaactg ctcaaggctc ctggtttaat ggccggtcgg 300
cagcaaatcc gcgggcatc caacgcctc agcgtgccc ggatcaattc tctggcatgg 360
cgcggcaacg gcggctcagg cgaagggtg gagatgttct ccgcgcacgg cgacgggacc 420
atccgcgcgt ggggtctcag gcagcccag ggcgagccc acgaggccga agaggccgag 480
caagcggatc ggaaacggaa acgagacatc cttgacgaga tctaccgggg gttcgtcgcc 540
ccttctacgc cagcatag 558

<210> 14235
<211> 201
<212> DNA
<213> A.fumigatus

<400> 14235
aaacagcatg aacttcacca ggtaaaacgg acctgtgctc atcaccatt cgccatcttc 60
gctaactcga atacattgac tagcttcttc gaactcgaaa tcttcgagca gctctatgag 120
attggcatac tcgggggtcat ttttcaaact gcgctttcgc cgccgtgcaa gccattcggg 180

aagtgggtcga gcggtgtttg a

201

<210> 14236

<211> 1617

<212> DNA

<213> A.fumigatus

<400> 14236

ctatggtggt	gtaaaggaac	atacaagcct	caaattcata	ctcactacct	tccccaaactg	60
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gattactcaa	agtcgatcca	tctgcaatcc	gatcgttcgc	tggagttcca	tacaccctca	180
ggctgccatt	acgggacgag	gcttcccaga	tatggtcacg	atgtggttta	cgacaggcag	240
togactgagg	ctctagtgcc	ggctgttggt	gttaatcaag	atggtatggg	agaagtgttc	300
aggctcaatc	tagagatggg	cgggtatatg	cggagtctcg	aagtagatgt	tgggtggggac	360
gatttcacat	cgaccggcgg	tgggacgtta	caaggaggtta	ttcacacggg	agcagtgaac	420
acgggggcta	ttgctggagga	aagccacaac	cttctcgctt	tcggtacctc	gatgggaacg	480
gtagagctat	gggatccacg	agccaagggc	agggcaggag	tcctattacc	ccctaatacag	540
accggccccg	atgatggacg	atctgagata	acggcattag	agttccatcg	ctcgggattg	600
acgtttgcaa	cagggttcgtc	gaatgggtctg	attcatttgt	acgatcttcg	gtccccagtg	660
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ccctcgacat	tgcacgcga	acagaccatg	gagcccaaaa	tcctctcttc	agacaagaag	780
atcatcaaga	tttgggaccc	ccgcgatggc	aagccctgga	catcagtcga	gcctgccgtc	840
gacatcaact	cagtcgcctg	gtgcaaagat	agcggaatgc	ttttgacagc	caacgaaggc	900
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ctggataacc	ttgttgagga	gatggcagaa	gacctaacg	atcctaatac	tttcagtaca	1020
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ttgaacctgg	atcatctgat	tggcaggacc	aaccttcttc	gaccttatat	gcatggttac	1140
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ggcaagaaga	aggctgccgt	caagggtcaac	aagaaactgg	cagagaaact	catggctatc	1320
gaagagaaga	acgagcggcg	ccaggcacag	cgcgttctga	aacaggggcg	agacgagaac	1380
atggttgaag	ctccccgcac	cgagaagccg	gcgactggtc	tttttggcga	cagccgtttc	1440
gcgaagatgt	tcgaggatga	ggaattcgct	gtcgacgaaa	cttcacggga	gttccagctc	1500
cttaacccaa	gcaccattcc	cgagccagta	gaacgcaagg	aacgcggcct	caccgccgtc	1560
gaacaggaag	aggtggacga	agtccccggc	tccagttcag	aagaggacga	cgactag	1617

<210> 14237

<211> 381

<212> DNA

<213> A.fumigatus

<400> 14237

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tcacatcct	catacaagcg	cactaaccgt	cccccgcccc	agatgcgcgt	ctcgatcatca	120
acaacgagcc	attccacccg	cgatcggtca	ttcgcttcac	gcgcccagaa	tatgcgcacg	180
aaaaccaaac	gtgcgcgtcg	tggcggcggtg	gttgagaaaa	gagaattcac	tttcatgccg	240
caggataagt	caaagcaaaa	gaaggcacct	gcgcatacgc	ctgcgagcag	tgattacaag	300
tctaaggagc	gccgcagcgc	ttctggtaac	accttccgaa	agagtgagtt	tacaagacag	360
gggccggaag	gtatgcagta	c				381

<210> 14238

<211> 804

<212> DNA

<213> A.fumigatus

<400> 14238

tgctcgacaaa	cgagacaagg	cccattcatt	tatccagaca	gtcccggttcg	atgccatcga	60
gacccgacgg	agtttggttc	gggccgcctc	gccaatcaa	gtgtaagctg	catccgcatt	120
gtcattgtca	cgtgcccgct	cagctatcga	ttgtctccac	ccaaactttt	tttcttttat	180
cagagagcga	tatctttgga	gagcggtaac	aattttcgct	gtggtggctg	cggcaatccc	240
agtgtccctt	cgatcggttg	agcagttact	gagcaaaata	tgaagctctc	caatcaatcc	300
gaggttccag	tatataccat	ttcgggggtca	aacaccgctc	gaccacttcc	cgaatggctt	360
gcacggcggc	gaaagcgcag	tttgaaaaat	gaccccgagt	atgccaatcg	catagagctg	420
ctgcaggatt	tcgagttcga	agaagctagt	caatgtattc	gagttagcga	agatggcgaa	480
tgggtgatga	gcacaggctg	gttttacctg	gtgaagttca	tgctgttttc	attgagtctc	540
gcaactgact	atggtgttgt	aaaggaacat	acaagcctca	aattcatact	cactaccttc	600
cccaactgtc	tctatcttgg	gcgcggcata	cagatgcgct	caatacgacg	ttcctccttc	660
tgctctctga	ttactcaaag	tcgatccatc	tgcaatccga	tcgttcgctg	gagttccata	720
cacctcagg	ctgccattac	gggacgaggc	ttcccagata	tggtcacgat	gtggtttacg	780
acaggcagtc	gactgaggct	ctag				804

<210> 14239

<211> 198

<212> DNA

<213> A.fumigatus

<400> 14239

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cagatagcat	catgggaagc	gtctttggat	atctttcgat	ggttctctgt	cgggtgtgag	120
ggcctacctc	ttgagagcgt	taatcaagac	gactggctga	gggaaatatg	ggaagaagac	180
gagtgggtata	gatgctga					198

<210> 14240

<211> 300

<212> DNA

<213> A.fumigatus

<400> 14240

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atgaaaatcg	aggaagagca	aatgcctgca	tttgacgag	gccttttcta	ccctgttaaa	180
cttgggggatg	tgttttgttc	tagatatcag	gtactcagca	agttgggttt	tggcgcaaat	240
tcaacagtct	ggtttggccg	tgacctccag	tattccatgg	ctttactacc	tcaacagtga	300

<210> 14241

<211> 402

<212> DNA

<213> A.fumigatus

<400> 14241

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cgcagttctg	aggggaattg	ggaagtccag	gtgcttaagc	atctctcaag	tgtgaaaaca	120
catcatcccg	gcagctctct	tgtccgtaaa	atgattgagg	agttcaaaat	cacaggacct	180
ggtggtagtc	atcagtgcac	tgtttatgag	ccgctattaa	tgagtctttt	gtattttcaa	240
gctaccttga	accacagag	ccttcctgaa	gacttactaa	aggagcact	gcagcaactt	300
ttacttgctc	ttgactatct	gtactcgga	gcccatgtca	tatacactgg	tttgtgtctc	360
tccaaaccac	atactgtttg	tccagagctg	atatcctggt	aa		402

<210> 14242

<211> 324

<212> DNA

<213> A.fumigatus

<400> 14242

gatatacaag ccaagaacat tcttatcagt tcaaaggatg attcaatddd tgcgagtg	60
gacactagtg aggcagctga gcccgccccg cgggaagttg atagcagcca tggtatctat	120
caatcgccggc cgttccatcg taagaaggga tggagaggct ttggaatgcc acttctgtcg	180
gactttggag aagctcgtct aggagatgtg cacaatgggt tgattcaacc agatatctat	240
cgtgctcccc aggtcctcct tgggatgagt tggacgtcga aagttgacat ttggaatgtt	300
ggagcctttg tatgtgaagg ataa	324

<210> 14243

<211> 213

<212> DNA

<213> A.fumigatus

<400> 14243

gagccgttg tatecttgcc agcgtttgcc atgcctagta tagttagaga acggcgacgt	60
tcgagtcaat ggttcaagga gtgccgtact cagaagtcct ttgcgggtgt gcctaagctt	120
gaagttctca tccgcgaatt tctgcgcgta gatcgacttt ccaccggtac ctacaagtca	180
aatactgtca gcacattcgc tgttaccaat tga	213

<210> 14244

<211> 351

<212> DNA

<213> A.fumigatus

<400> 14244

aaatccctcg agacgttctt cgggtgttggc ccccagggtt ctgcacgtct cctcgccccg	60
ttccacatcc accccacatg taagggttggc gagcttgcca acaagcaggt tctggacctt	120
acagctgctt tatccgacat gaagatcgag aatgatctcc ggaggcagat tcttgatgat	180
atcaagcggc tgaaggagtc ggttccatac cgtggcagac gccatgctt gggattgccg	240
gttaggggac agagaacgag gacacagggt ggttatcctt ttacgtttgc gggtttgatc	300
cggactcgtt cgtgttacga gttggagaca aggaaagggt gtgcatactg a	351

<210> 14245

<211> 201

<212> DNA

<213> A.fumigatus

<400> 14245

ccaggaacag gtctacagct cctcgtggct acctttggtg gattcgtctt tgatctctcc	60
acttttgacg atcttgactg tctccgcagg tttgtcgcca ggacccttgg gaacattttc	120
gatctgttcg acgacctcgt agccctcaag aacctcacca aaaacaacat ggcgaccatc	180
aagccaacta gcagtacatg a	201

<210> 14246

<211> 483

<212> DNA

<213> A.fumigatus

<400> 14246

cttgtaggta ccggtggaaa gtcgatctac ggcgagaaat tgcgagatga gaacttcaag	60
cttaggcaca cccgcaaagg acttctgagt acggcactcc ttgaaccatt gactcgaacg	120
tcgccgttct ctaactatac taggcattggc aaacgctggc aaggatacca acggctctca	180
gttcttcatt accaccgttc ctactccgtg agtttacctt ctgtgatttg cttgccggtt	240
tatacgaacc gccaaactaat acctcatgta ctgctagttg gcttgatggg cgccatgttg	300
tttttggtga ggttcttgag ggctacgagg tcgtcgaaca gatcgaaaat gttcccaagg	360

gtcctggcga caaacctgcg gagacagtca agatcgtcaa aagtggagag atcaaagacg 420
aatccaccaa aggtagccac gaggagctgt agacctgttc ctggtcagtc cttgctgctt 480
tga 483

<210> 14247
<211> 186
<212> DNA
<213> A.fumigatus

<400> 14247
cgctcagaac aagatccagc tgatgggctt tacgatgggtg agccgtcaga aatatcaact 60
ctgtccgaat ctcccgctta ttctcttcgc aacgttgcat tcctttccat tttcatcgct 120
atgggttttca tcgcggtgaa gatcagtaag aaggccaagc agttcaatga gaagagcgag 180
gtctag 186

<210> 14248
<211> 309
<212> DNA
<213> A.fumigatus

<400> 14248
gcatggcaaa cgctggcaag gataccaacg gctctcagtt cttcattacc accgttccta 60
ctccgtgagt ttaccttctg tgatttgctt gccggtttat acgaaccgcc aactaatacc 120
tcatgtactg ctagttaggt tgatggctgc catgttgctt ttgggtgaggt tcttgagggc 180
tacgaggtcg tcgaacagat cgaaaatgtt cccaagggtc ctggcgacaa acctgcggag 240
acagtcaaga tcgtcaaaag tggagagatc aaagacgaat ccaccaaagg tagccacgag 300
gagctgtag 309

<210> 14249
<211> 195
<212> DNA
<213> A.fumigatus

<400> 14249
cctgggggtga gtaccggcaa cgattggacc atattcatgg agcacagcaa catcccagta 60
ctacctagca ccagaagga tgtatttagg atcagaacaa caagcggaag gtctggacta 120
gtacaactct gggcaaacgc caccaacatc atgtggactg gaggacgata ttacagggtt 180
gcgttggtgtg gatag 195

<210> 14250
<211> 630
<212> DNA
<213> A.fumigatus

<400> 14250
gtctgttgctg tatctgtatc tgtcatgcc aactaattgt ttagcttcat gactgcctcc 60
aatgggtattg ctctccttgt cgctcggtcat gtcacgcgtg gtcttttgtt cagtatcacc 120
tcggctatgg ttctgttcta ccaagcagag gttgctccaa aggagattcg tggccgagta 180
atctccctcc agcaatgggc catcacctgc ggtatcttaa ttcaatactt tattgtgagt 240
gaccagctat ttttgagcaa atggagacgg tttctgacca ttgatagcaa tatggttcca 300
gcaacgtcga cggaggtccc gataaccga ctcaaagtac tgctgccttc cgcattccct 360
ggggttatcca gatggtgcct ggctttatcc tcttcgtcgg cctgtttttc taccccaagt 420
cgccccgttg gcttgcaagc aaagaccgct gggacgaagc gatggaggtta cttgccaaacc 480
ttcacggaaa tggagaccgc aaccatccca aggttttggc tcaatatcaa gaaattgagg 540
aggccttggc tctggagcgt gagcaggcgt ctactagcta tcagggaactg gtcaagcctc 600
gcattctcaa gcgtgtgttc cttgggtatga 630

<210> 14251
 <211> 456
 <212> DNA
 <213> A.fumigatus

<400> 14251
 cattataata gctttctggt gatactcccc tctgtttctc agcgagttgt caacaattcc 60
 aaccttggtc tcgtcgatgc aagtgtcatg caacctcgcc cagattcggt aatcctcact 120
 atgcagtctg cactcaaact gcccatcgga cttcccgctc gtatcgatcc catcactttg 180
 gacctcttca accggggcga gtccggaaac agcaccttcg ccaaattgta cctcaacgga 240
 acaactatct caggcaacac cactttggga gttactagtc aattcactcc actcaatgtg 300
 gatcagtgga ccaaatatgt gcgcggtgtg gtattcgagg agcatgcacc attgtcgtctg 360
 aagggtacta ccatgtcgta tctgggcaag ctcaagtccc gagtgacaat ggacaaaacg 420
 atcaagcaaa atagtaagcg aacgtcttat cagtaa 456

<210> 14252
 <211> 540
 <212> DNA
 <213> A.fumigatus

<400> 14252
 ggcacaaccg tgttgggact caagagcggc gatctcgta tcggcaatgc aacgattgat 60
 aatcttgtcc tcagaccggg caaccattcc aatcccgctc gcggcagact cgatctcaaa 120
 actgtgttga agaaccttgg acctgtcctg cagagccaga aagactccat ccgtaacggg 180
 tatctgtctc tcgacagcgt taccaagacg gtcgtttatg agggcggtga agtgccatat 240
 tatacgaatg tgatgaagga cctgaccctt actgcaaaga ttcctatcgg cggactgctg 300
 gtcaacaccc tccgagggat tttcaacaag aatgggacaa acatcctcga ccagctgaat 360
 atcacggact catcgtcgtc ggaaagcaca agcagcgtgc tgcggaact gcagcatctg 420
 aacttgagca gtctgggcgg aagcctgagc agcaaattga ccagtcgacg gctggctgaa 480
 ttcctggacc gtctgacga taagttatta ttggttgatg tgcgaaagc attcttgtga 540

<210> 14253
 <211> 957
 <212> DNA
 <213> A.fumigatus

<400> 14253
 caatatggtt ccagcaacgt cgacggaggt cccgataacc cgactcaaag tactgctgcc 60
 ttccgcattc cctgggggtat ccagatggtg cctggcttta tcctcttcgt cggcctgttt 120
 ttctacccca agtcgccccg ttggcttgca agcaaagacc gctgggacga agcgatggag 180
 gtacttgcca accttcacgg aaatggagac cgcaaccatc ccaaggtttt ggctcaatat 240
 caagaaattg aggaggcctt ggctctggag cgtgagcagg cgtctactag ctatcaggaa 300
 ctggtcaagc ctgcattct caagcgtgtg ttccttggtg tgagtctgca gatgtggtcc 360
 cagttgtgcg gtgagttgat cgtacccttc tccatgaggc aaagactaat ggctgctgct 420
 ataggtatga acgtcatgat gtattacatt gtgtatatca tgcagagtac gggaactgga 480
 agccctctcc tcaccgcttc cattcagtac atcctgaaca ctgcgttgac cctaccgcc 540
 atcatatacc tggacagatt cggtcgtcgc cctgccatcc tgattggttt tgccttgcaa 600
 gctaccttct tgtacattga aggaggtcta caggctggat ttggcaagcc taaccctcat 660
 gacgacccca agctggatgc catttcttgg gttgtgtccg accatcccaa cgtcggcaaa 720
 gcaatcattg cgctctccta cctcttcgtc tgctcattcg cgacaacat cgggtccgact 780
 tcgtggacct accctgcgga aatctaccgc gccaaaggtc gcgccaaggc tgtctctctt 840
 gctaccgcgt cgaactggat ctggaactgt cttcttgcct tgttcgtccc gcctctactg 900
 tggtcgatca actggaagat gtacatgac gtacgtactt gcatggaaaa cttatga 957

<210> 14254

<211> 465
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (465)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14254
 acaatagatc tactgcatat caacccgtct ccccccgcc agagcacgac cccacccgct 60
 gcgtaccgaa acatcgaacc aaacacaatg ctcataatcg gcctaaccgg ctccatcgcc 120
 accggcaaat ccaccgtctc agccctcctc gcctcacccc cctactccct ccccataatc 180
 gacgcagacc tcctcgcccc tcaggctgctc gaaccaggca cgcccgcccta caaagcaata 240
 gtcaactact tcggacccag cacgcccgcac ctctctctcc ctccatcaga cggcgatgcg 300
 acaagctcac aaccaccgct gaaccgcccc gcgctcgggc ggcgcgtatt cggaaccagc 360
 gaggagcgca agcgcgaccg catgatcctc aacaagatcg tgcaccccgc tgtgcggtgg 420
 gagatttaca aggcgctgat atactactat gtgcgcggcc attgn 465

<210> 14255
 <211> 543
 <212> DNA
 <213> A.fumigatus

<400> 14255
 aggctagtag tgatggcagg tgccagatac ataattgata actatgagca tctaccggac 60
 gtgatgctgg tcateccact gcagcgcttc caatggcaca acgacgatcc ctactacgac 120
 ggagtccccg tgctccgctcg tttccaagtg tcttatctcc aaaagcaagg ctatgtcaat 180
 ctgcgctgtg catggactct cggatgtccg gcggagatcc acccgcacac ggatacccac 240
 cgtgacgatg tgcattcggg ggagtatctc aagaacggct tcatggagct gttccctggg 300
 gttgacgtac cagacgaggt tggcgtatcg tgctgcgcgc agtttggagt cacgaactgg 360
 aaggctcccg aaaggcccaa gaggtagctat gtgcgggttca ggaaatgggt gtctgagacg 420
 ccacttaagg atgatctcag tgggcccatt atggagtagt cgtggcatag tatgtttcca 480
 accccctccc ccctgcgtca cagtgtcttt ataaagcaat gcggtgctaa cagccatcag 540
 tga 543

<210> 14256
 <211> 297
 <212> DNA
 <213> A.fumigatus

<400> 14256
 gcaagtgtag ccaaaggagc agatgagtag aagtcaacaa cctgcttcat ctcgacagtt 60
 tccaggctga ccacctgccc taagaaccag ttccctaccta tctccacatc ctatctcttg 120
 ctattgactt ctcttactat tctaggaatg acttttaatt ccaataggaa atactataaa 180
 actcctagta ctatagtagc aagcctactt aaaatctata aagcagcaga ttatatacta 240
 ctaaataagt ataaatttaa tcatactaata gctaggtact gtattaatgg gctatag 297

<210> 14257
 <211> 306
 <212> DNA
 <213> A.fumigatus

<400> 14257
 gcaccggatg ccctcgcgga agagaccact ggccagtcct acgtcaacgg cgatgcggtg 60
 accaactcag cctacgccat ggtgatcttc aaccatcgtg tattcctagc cggcgagtat 120

gtcacggctg	agaagtccaa	gcctgagata	gaatctcgtc	ttccgccgag	gattcgcccc	180
tggacttgcc	agctgagtcg	tcaggacgtt	gaagggttac	catcgggccc	ggttacagat	240
ttcctggaga	acccggacaa	cggcaacaat	tctagcaggg	aggtaggcat	cttttcttca	300
tggtag						306

<210> 14258
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 14258	
gaacaaaacg	ccacaatata actacaggct gcaacgagcg gatggtggat tcttggctct 60
agtaccatca	actatctttc cagggatgag acgctcattc gagaactaca tgggtcttata 120
tacaccatct	accatgaaga aaagatgcct acctccctgc tagaattgtt gccgttgtcc 180
gggttctcca	ggaaatctgt aaccggggccc gatggtaacc cttcaacgtc ctga 234

<210> 14259
 <211> 555
 <212> DNA
 <213> A.fumigatus

<400> 14259	
caagcggaca	gggcgccatc atcaaacacta tcaccaactt tgaccggtct cagcttgcca 60
atggtggagc	ccatgaggat gacttctaca atgtccaggg cctcctccag ggaccaatgg 120
cccacagagc	ctgggaaaac agtcaagctc caggagttaa cggatccatc accgttctct 180
atcccagcaa	agacagccat gtcccgtatc atctatagca cgacaaatgc aaatggtact 240
ctgggtccctg	cttcgcgcta tatcctgtgg ccggtccagc caaaagctct cgcacgcaag 300
accagaaca	actctgggtt atcatctgcc cctgttgtgc tatggaaaca tggaacctcg 360
ggcttctacg	ccaatggagc tccctcaaca caccgtggcc tcttttacgc ggacattgtg 420
ccttttgcac	tggccgaggc tggatacgtc gttgttggcc cgactatgcc ggccctcggcg 480
tggacgtctc	ctgggacgga agtcacattc cgcaccagta ctttgttcgc gaagctggtg 540
ctcacgatgc	tctga 555

<210> 14260
 <211> 273
 <212> DNA
 <213> A.fumigatus

<400> 14260	
gcaaaaaatat	ccattgctag taaatgcgtc gcgtcaagca gcggtacctc catcccaggt 60
gagtctcgtg	tcatectatt ctacgccctc gtctccgcgg agggcgaatc aagcaccgac 120
tgcaccagat	taagatactc cgccggtgct ttgttcagaa aactcatgat gatccgccgg 180
agtatctgcg	gcgactccat cgaagtgaca ctgatcatgt atcttgcgac ccattggtgag 240
actctacata	atccgccacc tgattttggc tga 273

<210> 14261
 <211> 528
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (281)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14261

tgcgatgac	caagtgagat	ttttcaggtg	tacttcgcct	gcaagcccat	ttcggaccga	60
ctgagcaatg	cttgcaagg	tgacattgtg	gaagaaaagc	atggttttgc	ggagatatta	120
agcggcgag	ggtggcaa	ggacgatatc	ctggaagccc	tcgagtctgc	tgatgacttt	180
tattgcgagc	gactgggggt	agtcaagatg	gactgttggt	cccgcggcag	ggtgctggga	240
gatgcagcgt	tctgcccgtc	ggcaaccact	ggcatgggca	ntaccagaat	ccttgctcgt	300
gtttatatatt	tggttggcga	gataggtaaa	caatgcaaga	gaagttttgg	gggtgatatc	360
gatggaagta	cgacaaagga	tgctctgtct	cgcgattca	aagcgtacgg	aatccttcgg	420
cctttccttg	accaggtcca	aaggggctta	ttggatgggt	atagtttctc	ggaccgactt	480
ccatcgacat	ccttggtggt	gctgttctcc	attttgcctt	cgctatag		528

<210> 14262

<211> 837

<212> DNA

<213> A.fumigatus

<400> 14262

ttatggacac	catcatcatc	taaactactt	tctgtgcctc	ttaaaatgaa	ctcccagaga	60
attgcatatt	ttggcgccac	aggcggatgc	acaaacgcat	gtctggcctt	gtctctccga	120
caaggcctca	aagccgtcgc	actggcgcg	acgccaaga	agttgcacga	tatgctgctg	180
tccaaggaa	tcagtgagga	aaccatcagc	gcaaacctga	ttatcatcca	aggcgatata	240
accgacgtcg	cagccgtcaa	gaagaccttg	atgtccggag	acgaaagaaa	actcgtggat	300
aagattgtct	ctggcggttg	tgcgcgccg	tcggtccagc	tttccgtgac	tactcccgtc	360
aaaatggata	atccgcatat	ctgcgagcaa	gccatcacia	ccatcatcaa	agcactaggg	420
gagatatatg	ccgaatatcc	cgacgagcga	ctgtgcaaac	ctgtcatcac	cgatcatctca	480
acaacgggcg	tggacgggtcc	ggatgatgtg	ccgtttgggt	tcaagtcact	gtattccgtt	540
ctgcttgacg	tgccacatga	agataagaaa	aaactggagg	agctgggtcaa	gtccgatgag	600
ctgaaggacg	catcgctcag	ggtgtttggt	ggagcagtaa	ttgttcgtcc	gtcgttgctg	660
gtcggagacc	accaaatacg	cagcattggc	gcaaagaagc	tgcggggtgg	aacagaggag	720
aatccgccta	ttgggtatac	agtgcacgtg	gctcgtgtcg	gccaatggat	tttcgaggaa	780
gttgtcacca	agtccaaggt	ggactgggtg	ggaaagattg	tgactttgac	ttattaa	837

<210> 14263

<211> 483

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (410)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14263

cacatgctgg	tcaccatgag	gctatcccgg	agtatcgcag	tcttactct	cgtcacctac	60
gcgactggcc	ttccctccct	ccaggtcatt	ccgcgaggcg	agccacagtt	gccgctgctc	120
gatccgtcaa	tgaccatcaa	ggaagctgcg	cgcaaatgtg	gggataaagc	gcagctttcg	180
tgctgtaatc	gggtcgtcaa	agctggggat	tatacctcag	tctaccaggg	gatcggcgct	240
ggacttctga	gcaacctcgc	tgggggtggt	tccggaataa	gcagcattct	ggcttttgat	300
caatgctcca	ggttagatgc	gcaaggtgag	catcctaata	gcatctcttc	cgctcgtgaa	360
atgactaaca	gtcgcagtc	ctgtggtcct	tttacctatc	caggatctgn	tgaaccagca	420
ctgcaagcaa	aacgtggctt	gttgtcagaa	gaaccccgcc	gatgcggtat	gtatctgaca	480
tga						483

<210> 14264

<211> 369

<212> DNA

<213> A.fumigatus

<400> 14264

accactaccc	ttcctcttga	ttgtgtctat	ccatacggac	tacctagaag	caatctccgc	60
aaatcaaaga	tgctcacct	aaaccccccg	tctaataag	gcaaggagcc	atcgactgga	120
actcgacct	ctggctccgc	cgggtatgca	tcattagacg	ccctatccac	aagagaaggc	180
aacgccagt	gacgagtttt	tggtacaggc	accggcggca	ccgtcacatc	gccagagtat	240
tcgaccgcc	tgaattcgga	tgtcatgcag	aacgcggaga	gtgatcgggc	aatgagcaag	300
gaggaggccg	ataggatgca	tgagcagcgt	atggaagagg	aatatgcgaa	gagggagggt	360
ggtgcttag						369

<210> 14265

<211> 222

<212> DNA

<213> A.fumigatus

<400> 14265

gacacaccca	cagcagcgta	caggagtgc	gttgctcgca	cagctgtcac	tcactctatc	60
cacctcagac	tacataaaca	gatcgcaggc	tgccacaagg	ctatttgggt	ttacatcact	120
cgcttggttc	aatcgtctga	accactaccc	ttcctcttga	ttgtgtctat	ccatacggac	180
tacctagaag	caatctccgc	aaatcaaaga	tgctcacct	aa		222

<210> 14266

<211> 669

<212> DNA

<213> A.fumigatus

<400> 14266

atactcttca	cgttcccttc	aaacttcttt	cattttaagct	tactgtcatt	ccagagggca	60
ttatcctgta	atccgttgaa	aacatatcca	tcacatacta	tacttacctt	cagcagcaca	120
ctccttttgg	ctttaaccat	gcagtacaag	acccttcctt	tgttcattat	ggctgccact	180
gccctggctg	caccagaggc	caggcccgag	gctgccgccg	aggtgtctcc	tgaagccgtt	240
cccgaagctg	ctcccgagc	ttctccagaa	gatgttgcca	agagacagta	tgaatactac	300
tcgagcctca	tgaacgagct	gaacagcttg	tcagtatatc	cccagaaggc	aagcaagctg	360
aacgatacta	accgatcttg	tggtacagg	gctgacacca	gcaactggga	caaattcttg	420
accaacattg	actacaacca	atacttgacc	aacaccgagt	acaagcaata	cctgaccaac	480
accgattttg	gcggtatccc	aactaatacc	gccgtgaca	acgttcctac	aaacaccaag	540
ctaggcggcg	tcccgactga	cctggaaggt	ctcccttcc	tctccatgcc	aaccgctgcc	600
ttacactacg	acggcatgcc	tctccgtcc	atttcgtcta	gacgcccggg	gctggaaaga	660
accgcgctc						669

<210> 14267

<211> 222

<212> DNA

<213> A.fumigatus

<400> 14267

aaaaaaaaagc	tagatacaaa	acgcctgggt	agaatgtcgt	cattgcgatg	tgaactggaa	60
atatgttatt	cgggcatgat	cagccgcaag	cctatggggc	ttatactcac	cggcaccgat	120
cgcaagagct	gccagagtca	atcttggact	gtgcgcgcct	ataacactga	gaagtatacc	180
acacactgtc	cacgcagagt	atggtccgat	aaatttcctt	aa		222

<210> 14268

<211> 264

<212> DNA

<213> A.fumigatus

<400> 14268

tcatgcccga	ataacatatt	tccagttcac	atcgcaatga	cgacattcta	cccaggcggt	60
ttgtatctag	cttttttttt	caacgacctg	tgcggtatta	ttcgcccgca	tgcattattt	120
agtccatata	tgaatgtcat	gtcaattttc	tcactgggta	ggaggcgta	gcataatgaa	180
atgggtgttc	catgggttaa	ttattcccg	cataatacca	aattatcccg	cggtcgagg	240
gaatgggcgt	tgatagttaa	gtga				264

<210> 14269

<211> 405

<212> DNA

<213> A.fumigatus

<400> 14269

agccagacac	ctgtggagct	gactcaaaca	gtcaacatga	ccaagctctc	tctactgcct	60
cttctcacat	tggcctctgc	agttctggca	aagcaggatg	ctttccaagc	caaagtgtgt	120
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ggagggacca	acctcacact	gcccagacaac	gatgtcacct	gcggcgcatc	ctcccagggt	240
gtgtcagcgg	atatgtgccg	ggttgctatg	gctgttgata	cctcgaagag	tagccagatc	300
accctggaag	catgggtttc	gcgggagtag	actggccgct	tcctgagcac	tggcaatgga	360
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<210> 14270

<211> 1182

<212> DNA

<213> A.fumigatus

<400> 14270

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ttctaccagc	atcctgaagt	catcgaagat	ttcgcgatc	gttcaattca	taccggcgct	180
gtagtccgta	aacagctcac	caagatgttt	tataaagaag	gctttgacaa	gtcctactac	240
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ttcgacgggg	ttgtggcagg	tgctcctgcc	ttcaacttcg	tcaacctgat	ctcgtggagt	360
atccacttct	actcgatcac	cggatcgaat	acatcagaca	catacctctc	gccggagtcg	420
tgggaaggctg	ttcatgatga	gatcgtgcgg	cagtgcgatg	aaatcgacgg	ggctaaggat	480
ggcatcatcg	aggataccga	tctctgccag	cctgttatcg	agacaatcat	ttgcaagcca	540
ggtgcctctg	acaagaccaa	ttgtatcacc	ggtgcccaag	cgaagactgt	tcgcaatgtt	600
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agctcggata	actcgaagct	gtattatgcg	cgtgtcgcag	aggaaatggg	cttggggcct	960
gaagaactgg	atgacttcta	ccgcttcttc	ccgttagcgg	gtatggcaca	ctgcaccggc	1020
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aacaatgtcc	ttatggcaat	ggtccagtgg	gttgagaagg	ggattgctcc	ggaattcatc	1140
cgtgtgccaa	gtctgacgcc	gccggctgga	agatcagcgt	cc		1182

<210> 14271

<211> 1434

<212> DNA

<213> A.fumigatus

<400> 14271

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gtagttcttc	cacatggcaa	tcgccgggaa	cgccagaacc	acaaccgccg	tcgccgtgat	120

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acactcatatc ttctgactct ccgtccatgc atgggttgatt gcattccggg ccgcactgcc 180
gggcgggtac atcacctgcg ccgtcgagcc cccaggtag atagtcgcag aatcgcttt 240
caggtcgtcc gggagccctc ggagcagcgc ctgtgggaag gtgttggcgt agatggcccc 300
ggcaaccgcg tagccgatcg cccgcgcgaa actgccggcc aggtgatca tggcgatcat 360
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cgtgccgccc ccaaaggcga tgaagatctg gcacatcacg agataccga tcttgctctc 480
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caggcaggtt ttctggaagt gtttggctct gcggtatccag atgccgaaga ggacggccca 600
gaggttcgag ccgacgctgt agatctgtgt catgtagccg gtgttggcgg tgttcaggtt 660
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atagaacgcc tgcgcagcga gcgggccaac aaaggctgta cagatggtcg ggggtccaat 1200
gaatgcgtag gcaaattgcc gattgcgcag cccggacgcg tccgcgacaa agacaaccag 1260
gatgaagttg acggccgtgt agccaatcca gtacagcgtg tatccggctg cgaagccatt 1320
ggggccattg caagaggcga tcacgataat cccgacgata aagacccga cgaaaaccag 1380
aaagccctcg gctcggcccc agagattgag ggttttggcg ataggcagct gtag 1434

```

<210> 14272

<211> 1476

<212> DNA

<213> A. fumigatus

<220>

<221> unsure

<222> (120)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14272

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cagcgattgc taatggatag ggtgaacagg atctgggtgt gttttctcat ttctaaacct 60
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ccagatctcc caggcgtata ttctctcgac tatcatcggt ggagtgtctac agctgcctat 180
cgccaaaacc ctcaatctct ggggccgagc cgagggtctt ctggttttctg tcggggctctt 240
gatcgtcggg attatcgtga tcgcctcttg caatggcccc aatggcttcg cagccggata 300
cacgctgtac tggattggct acacggccgt caacttcac ctggttgtct ttgtcgcgga 360
cgcgtccggg ctgcgcaatc gggcatttgc ctacgcattc attggcacc cgaccatctg 420
tacagccttt gttggcccgc tcgctgcgca ggcgctctat gccattcca cgtggcggtg 480
ggcctacggc tgtttcgcca tcgtcatctt cttcaccttt gtgcctctcg cgctgggtctt 540
caagttctac cagcgcaagg ccgagaagac gggcggtgtt gtccgggacc ccagcggcgc 600
gacgcctctc cagtccttcc ggcattactt tcgcgagttc gacctcgtcg gcgcctttct 660
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cggctactcc tcggccacct ttatcagcat ggtcgtcacc ggcgtgctgc tcttccccgt 780
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ggcgtcatg gcggccgcgg accgcgacgg cgtgcccatg atgatcgcca tgatcagcct 1260
ggccggcagt ttccggcggg cgatcggtca ccgggttgcc ggggccatct acgccaacac 1320

```


cttccccacag	gcgctgctcc	gagggctccc	ggacgacctg	aaaggcgatt	ctgcgactat	1380
ctacctgggg	ggctcgacgg	cgcaggtgat	gtacccgccc	ggcagtgcgg	cccggaatgc	1440
aatcaacat	gcatggacgg	agagtcagaa	gtatga			1476

<210> 14273

<211> 1554

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (95)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14273

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tgcactatca	tcgggggagt	gctacagctg	cctatcgcca	aaaccctcaa	tctctggggc	180
cgagccgagg	gctttctggt	tttcgtcggg	gtcttgatcg	tcgggattat	cgtgatcgcc	240
tcttgcaatg	gccccaatgg	cttcgcagcc	ggatacacgc	tgtactggat	tggctacacg	300
gccgtcaact	tcattcctggt	tgtctttgtc	gcggacgcgt	ccgggctgcg	caatcgggca	360
tttgcctacg	cattcattgg	caccccgacc	atctgtacag	cctttgttgg	cccgtcgcct	420
gcgcaggcgt	tctatgccc	ttccacgtgg	cggtgggcct	acggctgttt	cgccatcgtc	480
atctttcttca	cctttgtgcc	tctcgcgctg	gtcttcaagt	tctaccagcg	caaggccgag	540
aagacggggc	tgtttgtccg	ggaccccagc	ggccggacgc	ctctccagtc	cttcggcat	600
tacttttcgc	agttcgacct	cgtcggcgcc	tttctctctca	tggctgcctt	tgtcctgttt	660
ctcttgccct	tcagcctcga	gacgtacggc	ttcagcggct	actcctcggc	cacctttatc	720
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gccccgaccg	ctttcatcaa	gtggcagctc	ttcaagaacc	ggacgggtgt	cggggcctgc	840
attttggtcg	cggtcatttt	cttcaactat	tacacctggg	accagtacta	ctactactac	900
ctccaggctg	tctacaacct	gaacaccgcc	aacaccggct	acatgacaca	gatctacagc	960
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gtgatgtacc	cgcccggcag	tgcggcccg	aatgcaatca	accatgcatg	gacggagagt	1440
cagaagtatg	agtgtatcac	ggcgacggcg	gttgtgggtc	tggcgttccc	ggcgattgcc	1500
atgtggaaga	actacaacgt	ggatcgga	caggtcaagg	ggacgggtcat	ctag	1554

<210> 14274

<211> 216

<212> DNA

<213> A.fumigatus

<400> 14274

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gcctccgaca	cagtgaagtct	ggaggaaaag	agcgagcgag	aaatcctcga	acgtcccaat	120
gagattacac	aagatgcccc	gattggagtg	caaaaagccg	aagccacggc	cctcgtatgg	180
tccaagacgg	ccttgtatgc	cacatatgcc	tggtga			216

<210> 14275

<211> 687

<212> DNA

<213> *A.fumigatus*

<400> 14275

tcgcctcttg	caatggcccc	aatggcttcg	cagccggata	cacgctgtac	tggattggct	60
acacggccgt	caacttcata	ctgggtgtct	ttgtcgcgga	cgcgctccgg	ctgcgcaatc	120
gggcattttg	ctacgcattc	attggcacc	cgaccatctg	tacagccttt	gttggcccg	180
tcgctgcgca	ggcgttctat	gcccattcca	cgtggcggtg	ggcctacggc	tgtttcgcca	240
tcgtcatctt	cttcaccttt	gtgcctctcg	cgctggctct	caagttctac	cagcgcaagg	300
ccgagaagac	ggcggtgttt	gtccgggacc	ccagcggccg	gacgcctctc	cagtccttcc	360
ggcattactt	tcgogagttc	gacctcgctg	gcgcctttct	cctcatggct	gcctttgtcc	420
tgtttctctt	gccccttcagc	ctcgagacgt	acggcttcag	cggctactcc	tcggccacct	480
ttatcagcat	ggtcgtcatc	ggcgtgctgc	tcttccccgt	cttcgcgata	tgggagagat	540
tcttcgcccc	gaccgctttc	atcaagtggc	agctcttcaa	gaaccggacg	gtgctcgggg	600
cctgcatttt	ggctgcggtc	atcttcttca	actattacac	ctgggaccag	tactactact	660
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<210> 14276

<211> 294

<212> DNA

<213> *A.fumigatus*

<400> 14276

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gaccacgggt	ctgacatgta	taccggaact	aacagagacc	acaacgcaat	cacagaccct	180
ccgatgtcct	tgttctctca	tctacctcaa	tcgcacggct	ccccctcaca	tgcgccttcc	240
gccgccacat	ccgactctct	ctccttgcac	atcgactccc	tctttcaatt	ttga	294

<210> 14277

<211> 1428

<212> DNA

<213> *A.fumigatus*

<400> 14277

cccactcacg	gaccccgctt	ccgttcaccc	ttggcagtc	ttatgtctcg	aatcctgggt	60
ttgcgaaaaa	agccgcagct	catcggcatc	ctagaggaag	aggtcttgcg	tccagcgaaa	120
aaacttcttg	agggagcgcg	agagggtaaa	aaaacgagcc	caggatatcc	agatatgcct	180
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cggctcgagga	tgagcacgag	ggcatcaacg	gcagatattg	aggagaataa	cgtaccgagc	360
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gagccacata	ctgtctacgt	taaatcggaa	caaaggagg	acagtgtttt	caccgatgac	600
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aagacaagtt	cacggctttc	caccgccagc	cctgctttca	gccacggact	gagaccacga	720
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gagctcagtg	ccggcgagga	atttacgccc	gaggagcaat	tagccttgga	gaaacaacaa	900
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tggcgcaagg	agaagatcga	gatcgggtac	tgtggtattg	gcaagcctac	ttggtcactg	1080
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cgagctaaat ttgaatgtgg agagcgtcta gaggatgggtg aagacagtga cgtctccgga 1380
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<210> 14278
<211> 648
<212> DNA
<213> A.fumigatus

<400> 14278
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cgactccctc tttcaatttt gattattatg gttctgggtc tggtttacac tcgagcaaaa 180
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cgcctagcga cacaagcagc gcttcatgct cgcgggtgagg cgagggaacc gtatatcccc 300
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gagggccggg gtggagatgt tgcgcgggtt tgggaatgga ttgggggtat cgcggtggtt 480
cacggcaatg ctctcgagag cagcgtatc cgacgagaga gtaaccgcca attgtcctac 540
tcctctccgt cgagcgaggg aaaccgcct cggggcgatc aacaacaatt gacgcccaga 600
agtccgggtg aacttcgcgc ttgggacgaa ggtagaccgc tctattaa 648

<210> 14279
<211> 297
<212> DNA
<213> A.fumigatus

<400> 14279
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aacaccgccc ataccoccaa tccattccca aaccgcgcga acatctccac cccggccctc 120
gcggaaccga gcgcgaatgt tggcattgcc ctcaactaca ttgcgaacac gcctccagag 180
ctcttcacgt cgcttgccat gaagctcaga acggaggacg tcgtcacgca actgaccaat 240
ggggatatac ggttcctcgc cctcaccgcg agcatgaagc gctgcttgtg tcgctag 297

<210> 14280
<211> 246
<212> DNA
<213> A.fumigatus

<400> 14280
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gccaagtaag ggtcgttggg gaagccttcc cagttacggc cgccacgcgc ggtccgacca 180
agaggtccaa caacgggacc cagagcgacg ttgacaccct tgcgcctgaa ttccgcccc 240
atgtag 246

<210> 14281
<211> 252
<212> DNA
<213> A.fumigatus

<400> 14281
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gactcttcta ctcttgtctc ctcggaaggg aagatgaaac tcacggttcc tcttcttgct 120
gctgccctgc agctggcagg cattgtgtgc gggcaggagg atgctgccat cgccgccaat 180
ctcgagaagt tctggtcgta tggccgctca gagcccgctc atcccagccg taagtgtgac 240
cgagagtcgt ga 252

<210> 14282

<211> 1485

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (82), (102)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14282

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gggtacaagt	caaccaacca	tggctgttcc	ggtaactcgg	gaggtgctcc	tggcgttggg	180
tttctgaac	tgtgcttcca	ggatgccgga	aatggtgtcc	gcggtactga	catggtgaat	240
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gcgcactaca	tggggggcga	attcaggcgc	aaggggtgtca	acgtcgctct	gggtcccgtt	360
gttggacctc	ttggtcggac	cgcgcgtggc	ggccgtaact	gggaaggctt	ctccaacgac	420
ccgtacttgg	ccgggttccct	gaccggagag	actatccgtg	gtctacagga	gtcagtcatt	480
gcctgtgtca	agcacttcat	cggcaatgag	caagagacca	accgtaaccc	tccgatgctt	540
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gccacccgga	tccttgcata	ttggtataag	tatgcagaga	tgcagcatcc	aggtcatggg	960
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tccaccattt	tccagagcgc	tgtggagggg	cacgttcttg	tgaagaacac	cggcaatgct	1080
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gctcgtgaag	acggcacctt	ccttgcattg	gactttgcct	cgcagaagcc	catcgtgaac	1440
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<210> 14283

<211> 552

<212> DNA

<213> A.fumigatus

<400> 14283

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ccgtctcgtc	gaacctggac	gacaagacca	tgcattgagct	ttacctgtgg	cccttccagg	180
acgcaatcaa	ggccgggtgcg	ggatccgtca	tgtgcagcta	caaccggatc	aacaacagct	240
acgggtgcca	gaacagcaag	gcactcaatg	gcctgtctaa	gggtgagctc	ggcttccagg	300
gctttgtcgt	cacggactgg	gatgctcagc	actcaggggt	cgccgctgcc	gacgcgggtc	360
tggacatggc	aatgcccgcac	tccgtctatt	gggagaatgg	aaccctcgct	ttggccggtc	420
aaaatggctc	gttgggtcaa	agtcgttttg	acgatatggc	caccggatc	cttgcattct	480
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ctcatgagtt	ga					552

<210> 14284

<211> 1734
 <212> DNA
 <213> A.fumigatus

<400> 14284
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 caaacggttc ctccagtacac acccgcccggt tccactgcta cctatgtttc acttccccat 180
 ccaatccccg cttcgacgtc tcaatacgac tatgcgcagc aactattcaa tgacttacct 240
 cgggtcaacgc aaccatcgtg gcgggtcgcgt gaccctcata ctgccgtcgt gagcaccgcg 300
 ctaagttctc agcagccatc ttctcccccg acgacgacat attcttcggc tatgagcgac 360
 ccccacgaac aagctccgcc gttgtccacc catgcatccc catctttgaa cccacactg 420
 ccgacgcctg gccagaatag taaccgagca cccgtatacc ccgatcttca aggtgctcct 480
 cccatccccg cgccgaggac atcttcaact catcggactc aacatgggtc aagcactaca 540
 tcacctctcg gcgaaagagt ctctagtctg cgccgcaaca agagcaaacc tgacgatcga 600
 agcaccggcc accgcgaaag aagaggcgac gagcctcgtc cgcactgttc agcagctcat 660
 tcgtctgagg aaccgacgag ggaaccgtcc ggttaaggat cgaggcgagt ccagacagga 720
 tcacctctcg cggtcgactc acgctcggag gaggtgatgg agaccatccc cagcctggga 780
 actttggtaa aggagtccag tacagttatc aaccaagtgg tggtaagtga cccatcagtg 840
 gacatcatga gggagcaagc acggcaagcc gaagcgtcga tatcgccctc tagcgacagt 900
 gctccgccat cggtactcgc cttggtcggc agcaggggtg tggatgacgg agggcgcggc 960
 ggactacgca gtcggcacga cttcaacgaa aacacgatca agcgcaaaga gactacgttc 1020
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 tggaaagaaag atggcagcgt ccagggtgcc atcaagctca ttcggaggga atctctcgga 1140
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 gacaattcgg cccggcgcct gttcgcgccag ctcgatcag gcgtggggta tcttcataag 1380
 aaaggcattg ttcacgaga tctcaaactg gaaaatctgc tctgggatcg caaccgcaac 1440
 atcatcatca cggatttttg cttcgccaat acatttgacc caagtgcga gttgggagcag 1500
 gagatcgaat acaatctcac caataaggag tttgtgaagc gaatgcgctt agacaagcct 1560
 aacgccaaaag gcatgagacg gggcgacctg atgcagacca gctgcggaag cccgtgttat 1620
 ggggcccccg aactggtggt gagtattca ctgtacacag ggcgcaaagt ggacgtctgg 1680
 agctgcggtg tgatcttggg aagttggcac agactttcat tgtcctctgg atga 1734

<210> 14285
 <211> 948
 <212> DNA
 <213> A.fumigatus

<400> 14285
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 cgacacgaca gttcctcctg gtcagtgttc ccacacgcgc tcttggagcc tgacgctaac 120
 ttatcgctgt gttttgcaga aagccatagg gaagcccag cgttggctcg cagtgcctcc 180
 gtcagagagc ctccgaaagc ataccagagc tcgataccta cggttggagg gcttgtgcat 240
 caatccggag acatctccca agagccgtca gtcgatcggg caaagacttc tcgggacaca 300
 aaacggcgaa cggtagaggc cgaatatgtc gccccccaat ctgagacagc aagaggagaa 360
 agcccttccg cgccagaatc cccgaacgca aagccatccg aagtccttcc agccgcaagg 420
 cccggcagtc gagatgcggc ggcaaacaca caagtaggcg ctctaccctc ggggtgtcat 480
 atggagcagc gctcaatacg ggctggagaa cccaaggcac ccgctggctc ggtgccgcct 540
 accccagggc atttgccccg atcgacctcg gacagactg ccctcacggg aacgcacacg 600
 acaatgcctc cgacgcgaagc cagcggcct acgacggcg cctcaatggc ctcgttcaat 660
 actggtcgtc tgccctctcg ggggtcatac ggacagcctg tggctcctac tgttgacgca 720
 accaaccgac aggggtcgct tgcccagcca aagagcaagc aatatgtgat ctcggcacca 780
 atccctcaga attcctcgca gcacgctgcc atgtcgatcg gacgtccaag cacacaggcc 840
 ctcccgccca aattcaacac caccctcggc caggaaccac tcaagggccca taagaggtcc 900

agtcttcacc acgggggctgg aaggacagcg atgggtcatca atataacc

948

<210> 14286

<211> 672

<212> DNA

<213> A.fumigatus

<400> 14286

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aacatcaatc	tgttgtacaa	gtatatgtt	agtacaccgc	tgacgttccc	ggaatacgtg	120
acaccgatg	ctcgcgatct	tttgagacgg	atattgggtg	ccgaccgcg	caaacgagca	180
gaccttttcg	aagtggctcg	tcacagttgg	cttagcgagt	tttcgcatgt	tgtgtctcac	240
atcacgagca	gtacaaccaa	agttgcggac	attgccgaca	cgacagttcc	tcctggtcag	300
tgttcccaca	cgcgctcttg	gagcctgacg	ctaacttate	gtcgtgtttt	gcagaaagcc	360
ataggggaagc	cccagcgctg	gctcgcagtg	cctccgtcag	agagcctccg	aaagcatacc	420
agagctcgat	acctacggtt	ggagggcttg	tgcataatc	cggagacatc	tcccaagagc	480
cgtcagtcga	tccgtcaaag	acttctcggg	acacaaaacg	gcgaacggta	caggtcgaat	540
atgtcgcccc	ccaatctcag	acagcaagag	gagaaagccc	ttccgcgcca	gaatccccga	600
acgcaaagcc	atccgaagtc	cttcacgcg	caaggcccgg	cagtcgagat	gcggcggcaa	660
acacacaagt	ag					672

<210> 14287

<211> 354

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (210)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14287

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ggtaactcga	cgggaaggag	gtattttcgc	tctcgaagga	acggtgatcg	ggaagaccga	180
caaacgcggg	cgggaagga	tgggtttcan	cctccgaggc	gcgatcgaac	ccacccactg	240
aattaccaag	cgcgcctgt	gatgggattg	aaagccgagg	gctatcaggc	gcacacgctc	300
aacactggcg	agagaattga	cgagatggag	ctatcgctgc	gacgaggacc	atga	354

<210> 14288

<211> 1191

<212> DNA

<213> A.fumigatus

<400> 14288

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catccttgg	ggcggcagga	ctcccaaact	tcagatgacg	agagcaatta	ctttacctct	120
gcagctccca	gggctacatc	gccaagagct	gcacggagcc	gaaagtctcg	acgccatata	180
acagaccgca	gcggctacat	accaacgcca	ccgtctctgc	ccaagtatag	cctaacaata	240
aagaacccct	cgtcgttgat	ggaggtcctg	tcacaactgt	ggaccaccag	tggcccgaact	300
tcgccatgga	aagcgaccaa	cgcgactttt	atctactctc	tactccttcc	gacgttgaac	360
acctttatag	gcagtctctt	gtctgccatt	gtgggattac	cagaagagga	tattgcgtca	420
tccatgacag	cgatattctt	gacgtcgaca	tcaccttttg	cgacattggg	gctgtccttt	480
attgcttcgt	caatgtctgc	catgctgtta	tccccgattg	acaccgctcg	caccttcctc	540
atcctcacc	cagcgactca	tgggcccgcg	tcgtctctcc	gagcgattcg	acagctcccc	600
acccccaaact	gcgatgatcc	ttcccacctg	atccctatca	ccattctgca	ctcgagtcta	660

cctaacttca	tcacaactac	tacacgcgtg	tttttcaaga	cctacctatc	gatcgaccca	720
gttctgaatc	cttccatgtg	gaatcttctt	gcttttctgg	ggctctggct	agagcttgct	780
gttcgatttc	cattggagac	tgctctgcgt	cgtgcgcaga	ttgccacgta	cacatcgccc	840
agtatccggc	agaagtatgc	cgccacctct	cgttcgaaca	cgtccgctgc	cactgaggag	900
acatctgtgg	tcgagaccat	cgttcccgtt	ccccagacct	accgcggcat	tgtaggaacg	960
atgtggggca	tagtctatga	agagggcgct	agcgcgcctt	cttccgatgc	tgagcgggtt	1020
ctcgggaagc	ccatctcttc	caggaaacgc	cagggacagg	gcacggcgcg	tctctaccgg	1080
ggctggagaa	ttggtatgtg	gggtatcgcc	ggtatttggg	gcgccggcct	gttaggctcc	1140
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<210> 14289

<211> 321

<212> DNA

<213> A.fumigatus

<400> 14289

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agctccgctc	gcgacttgct	accggatcta	gactattcag	agtacctgga	gagctctccc	120
tcgctatcag	aatggattcg	agatgcaatg	gatgcggcga	tctggcggta	cacaagcgtg	180
ctgactgccc	agccatttga	cgtcgccaaa	accattctcc	aggcgtatgt	ggcgcccaat	240
tcgcaagatg	gacaacggcc	tgccgatgaa	cgcaggaggt	caggccggat	gggctccttc	300
gatgaaagtg	atgaagtatg	a				321

<210> 14290

<211> 339

<212> DNA

<213> A.fumigatus

<400> 14290

gtaacgctaa	gtcgcggctc	ttgccgcccc	gtggtgaaaa	ccgaagggct	ggcagctctg	60
tctgccggca	aagcaacgcg	cgaagagcgc	atcgctcatg	ctaaggaagg	caaggatcgg	120
tccgagtaca	agagtgtgac	cgcacggcgc	aaggagcgca	aggaagcgca	gggaaagagt	180
actaccaaca	aggagaaggc	gcgccgaaa	aatctcttca	tgactctagg	aaaagcgaag	240
agcaaaaaca	agagaagtct	tgtggaaaca	cgaacatctt	tgcgtgctca	ccagcaacgg	300
caaaagcgtg	gtggtaggag	aggaaacacc	ggtatcttag			339

<210> 14291

<211> 879

<212> DNA

<213> A.fumigatus

<400> 14291

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caaccgccta	ttacaacttt	cttctctcca	gctgtgtccg	actcgaatgg	aacggatgct	180
gcctgcagcc	cccatctttc	tcataaccac	tacgctgccg	ctacccattc	ccccaccccc	240
attgtccccg	ccaaaatcca	gtcctctctc	ctctccgtcg	gcacgcgcgt	ccgcaaatca	300
gtcgtctgaag	gttacaagac	caagggtgtg	aagatgttcg	atacacctac	cagtaccatc	360
tctctctccg	caaagcatga	acattccacc	ggtagagggt	ttcccaccgt	ccgcggggaa	420
cttgtctcct	tctgcgccct	ctccaaatca	tgcgactata	ccgtggaacc	tcattccaat	480
acagtctatg	agctgtccga	gacaagggga	tacaacgtcg	acatcgtcac	tgacgatggt	540
gatgcgttct	cgcttccctc	cagcagtcga	gagtcggttt	actcggccaa	caatggccag	600
aaacgatcct	atgaccccta	tgccgatgaa	gacgccagtg	actttgaaca	cagtgtgttt	660
gtgaccacag	acaccgtacc	cggccgtacc	atcctctgtc	cgagcctggg	acgccaacgg	720
cgccgtttcg	ttgctttaca	aagccaagcc	attcaacagg	ggactatgca	agtcgatgac	780
ttcgaagagc	cagtgttctc	tcgtaggcgg	gaagagggtg	atgccgacta	catgcctgct	840

cgaatggggg actgtgaggt taaaatggga ggggcatga

879

<210> 14292

<211> 783

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (681), (682)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14292

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ctgaggagaa aacaggagaa tgctaatcgg ccggctcgtg ttcagcttct tcaagactcg 180
ttgaaaaact cgaaaacat tctggacatt ttgcagaagc agattgaaca agacgaagag 240
ctctactcct cgagtctttc tagtgcaacc tccaccgaat ccaaggagag ctcaacttcc 300
actacttcaa cagcatcttc cagcgagtcg tcttcgacga ccgctgacct cctcgacgat 360
ttcgagaagg acccctacac aacgcccga tccgagacaa cctcgaccac ctcgactacc 420
acaacccta aaccacagg ccogaagtac tcaatcttcc atccctctga cctctccagc 480
ctcaccaagg tctacgagtc cacaataacc tggctcgaaa ccagctcgc cctccaggag 540
aagctgacag agtccgacga cccggctttg acagtcgcag agattgacac ccgtctcaag 600
gaactggaac gaacgatgaa acgcatctac gagaagatgg gcgccgcggc agccaagtct 660
ggtaaatcgt ccggggaaca nntcgaagag aacggcaagg gcaattcca gaagccaag 720
aaggacaagg ggaagaagga aaaggccgag aaggccaagg ctctctccaa ggatgaattg 780
taa 783

```

<210> 14293

<211> 348

<212> DNA

<213> A.fumigatus

<400> 14293

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ttacaatctg agaagcacca ggttaagcac atatactttg gaggtcgtt tattcggggg 120
catcaccaga cgatgaatac attgtcgtat gccatccgat tctgggtctaa ggggtgagaaa 180
caagcctact tcctacgcca tgaaggctac ctccggcgctg ttgggtgcatt tctcaggagg 240
caaccagaga actggggtcg cagaaatagt attcatgacg catcttccgc aattcaggcg 300
gcaaaggaag ccatcccaa gaaagatgaa ggggttgagct caacgtag 348

```

<210> 14294

<211> 192

<212> DNA

<213> A.fumigatus

<400> 14294

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cggggccgcc ttagaactca attgtttcct aatgcattag atgataagat atccgagttt 60
ctcgacgata aaggaaatag gctcatcgag gaggtatatc aaggagtttc caggatattt 120
agcgccactt acttcgacgt acataatact actacatgga ttcacagta tacatcaggc 180
tacaagcatt ga 192

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<210> 14295

<211> 387

<212> DNA

<213> A.fumigatus

<400> 14295

ctctgccaaa	tcctcggcgt	cagcacgaga	ctatgccggc	tccaacaaca	aacatctagt	60
tctctagcaa	gggctcgcaa	ggcgacctac	cgggccaaag	caacaaacac	ggccaagggtg	120
actttcaaac	ttgtctccta	caggctgggc	gctattcacg	cctttccctt	agacgaatgc	180
aagtacggga	aagatctatt	cgacaaggcc	cgggcatttt	tttttcgact	attagacagg	240
aacgtcgatg	tcaagatact	ttcatgccag	atttcgtctg	agcgtgcgca	acattttctt	300
ttcggcagcg	agggcggaatt	tgagcttctc	attcaacacg	ccaaggacag	caagagacaa	360
aagatggaac	agttaccatt	gaagtga				387

<210> 14296

<211> 1224

<212> DNA

<213> A. fumigatus

<400> 14296

aatccaattg	ctagaagggtg	gaagaagctg	atgggcatgg	ccacagatcc	ggataactac	60
actgacactg	aaacctttct	cgacctctc	cagcgaaacc	cgcgcggtggg	gccctacgac	120
ttctggcctc	tagtggctga	ctcgacagtg	atagttcagc	atgtgtgctc	ggtggcgatt	180
ttcgtgtgct	gttttgttgg	gattgtccag	gagagattga	gccctgtttc	tgtcgtctgc	240
tggggcagtg	ttggaacagc	catgggggtg	attctgtggg	actcttgggt	ttggcgcgag	300
caccatgccg	aacaggctcc	gaatgccggg	cgcctcgagg	acggagacga	tggttctagt	360
tcgagctctg	cagtgcgctc	ggtcaatccg	tcgtccgggg	ctacgtcgcg	accggttggc	420
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cctggctcgc	ctagtcacca	ggccagtggg	ggcctcagca	atatgcattt	gcaccacggc	600
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ttccgcgggc	agctacggca	cacctcctgg	actggacatg	tctctctcac	gctggcgctg	1020
gtcattgtcg	ccggagggtgc	ggtcggaatg	accctgcgcg	gaggatggac	agccgcgggtg	1080
gtcgggtcgt	tcttaggaag	catcatgact	gcttttgcca	tgggggggatg	tagctgggtg	1140
ctcatcagtc	ttcagaagta	caagaacgtg	gtaacagggc	catgggaccc	agcgcgggccg	1200
attatccggc	gacaatggga	ttag				1224

<210> 14297

<211> 297

<212> DNA

<213> A. fumigatus

<400> 14297

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tgcaacgcca	actggaacct	ggacatcgcg	cacattgaag	catgcaaaag	caacaacttt	120
cttgatcgct	ggacaggatt	ggaatatttt	acgtatgagg	aatcatcca	tgaccgtatg	180
aaaggacacg	tccagttcct	gcaggaatgg	gtatgtcttt	tcttcttgaa	acacctcttc	240
gaaagcagca	cgcgatatgt	gacggcacga	cgagatatcc	agtttctgaa	gggttga	297

<210> 14298

<211> 1029

<212> DNA

<213> A. fumigatus

<400> 14298

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cttgccatag aactcgaaac ggacgacttt cacaaaaatat tgcctagtat gccggccttg      60
aatagtgtca atctccgatt tgcgggccaa atcaaagaca gagtctttga atacgtgatt      120
gaccgggata tccaaatcag gcaactgcaa ttagatgccg ctaaccttgt ctctgatact      180
tattggcggc ggctcttcca gaaattggga tctcagctcg aaagcctgaa actgtcgaat      240
ctcgactttt cctttgatga cgaaaccgtg gaaacactat gtagaaactg tacagccctc      300
aaaagactaa agctcaagca gtgctggaag attggtagcg attctctacg gacaatttca      360
actttaccaaa cgcttgagca cttgtctctt gatactatcc aagatttgga gattgaaccc      420
ttattacaga tggatgaatac tcttggtccc aatctacaca cactatccct ggagggcttc      480
cacaacgctg atgatcggct tttggatctt attcatgaca aatgtcggtt gctctcaaaa      540
cttcgttttt cagacaatgc tctgtgcagc gatagaggat ttgtcaacct gttcacgaat      600
tgggccaatc ctcccttaag attcgtggat ttgtcttcta cagagacgt ggataatgct      660
aaccctgatg gtcctgtcga ggcaattgga ctgcgccttc acgggttcat tgcgctcatg      720
aaccactcgg gctcaacctc tcagaaactg aatatctcgt cgtgccgtca catatcgcgt      780
gctgctttcg aagagggtgt tcaagaagaa aagacatacc cattcctgca ggaactggac      840
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gcatcaaga aagttgttgc ttttgcagtc ttcaatgtgc gcgatgtcca ggttccagtt      960
ggcgttgcat tggttggagg cttgacggcc cagcactcca ttgtcatcga gggcccagcg     1020
tctggttaa                                     1029

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<210> 14299

<211> 813

<212> DNA

<213> A.fumigatus

<400> 14299

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gagcgagagg tggctgcgaa tgaaccggca gatgaactcg aggaggaaga tgaatatgaa      120
gacaatgacg gcgaaacggc cgagcagaga aagaaacgca agcgaaagga ggcagcgacg      180
ctcgcaaaga tcaagcagag caaggagttc gctcgccgca agggccgccc cactgggaaa      240
cccgatgatg acgacgatgt cattgctaga gagatgatgt atcaaaaatc acgaccgatg      300
ccaggccaac ttgagaattg tgagttgtgc aataagcgtt tcacgggtcac tccatacagc      360
aaaaccggcc ccaatggagg tctcctctgc gccaaatgtt ccaaagatgt agcagacgat      420
gaaagaaagt caaaagctaa gaagcgaggg ccgagaagtg gtcggcggca gaatcaaagc      480
aacttgctcg acggaatcgt tcagcaagggt gctctcagtt tggctcgagat gtgtgcaaag      540
gtgaacatct tggagcaatc cttcgataag tcttggttga gaactgaccg cattcagaaa      600
gttgctgata accacaacga catcgaagaa tttgggggact taccgtcacg attgcttcgg      660
cgccttagcc agatattttc caaaaggcgt attcttacat caaggacttt gaacttgttc      720
ctgcgacctg aattgaattt cattgtatgc tacgatgcgg ctagtatgtc tctacttggt      780
ttgtcaaatt ttcaacgtat taacttgcca tag                                     813

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<210> 14300

<211> 300

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (230)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14300

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tcctccaaac ttgaacatgg aactttccac aggctttcat tttatgctag tctgttgagg      60
gtcaacacag ctcaattgca gtggaatgcc cccgttgctt catgtctctc ggtagacatg      120
cctatcggca tgcaactaac ccatcttcca catatctcat cgaccacatc tggattagcg      180
aagaattgct cgcacacacc ttccgacgat tcgcaaccag ccaacgacgn tacgaaagtc      240
gagtaccagg gcccttggaa gccagaagac gtctggccaa gcgacgaaat accgcattag      300

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<210> 14301
 <211> 2376
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (180)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14301

tctgttggag	gtcaacacag	ctcaattgca	gtggaatgcc	cccgttgcct	catgtctctc	60
ggtagacatg	cctatcggca	tgcactacac	ccatcttcca	catatctcat	cgaccacatc	120
tggattagcg	aagaattgct	cgcacacacc	ttccgacgat	tcgcaaccag	ccaacgacgn	180
tacgaaagtc	gagtaccagg	gcccttggaa	gccagaagac	gtctggccaa	gcgacgaaat	240
accgcattag	ccggtatagc	cggctcagga	cctctagaag	atattgcatg	tttgttcgga	300
cgaaatgggc	gggagcatat	gaaatggacg	gacaggagg	gacgaaatgt	tcaccgcgag	360
acgcatggta	agaatctact	accgtgtcaa	tcttttgaga	agatgtatcg	tattcctaac	420
tgcaccaaag	actcgcctcc	ctttccattg	agacctccgg	agcctcgttt	gccgttctac	480
agcgaaagcg	tcgccccgat	agagctcgac	actttggatg	gtaccggggg	gttcccgcat	540
gcgtcacaca	aaacgtctcg	tgagcaggca	ctagaagaat	tcttgaggct	gcgtccttcg	600
gtcacagcta	tcgggatctt	cgtgcgccaa	ctcaatttcg	atctccaacg	ggagcctacc	660
tacagccgct	tgatacttga	acaccttctg	cggcgatcag	ccaacgacga	gggcgccatg	720
aagaagggtt	tcgaatttct	cgatgatccg	tatcttaaca	ctagaggggc	tggaaattat	780
ctgtgcgctc	ttaagcatac	cttatcaaca	gcggcggttc	tcaggaaaca	gccgggtattc	840
gacgccgtca	ttcgatcggt	ggagctaggg	ctcttacatc	ccagtgagct	tcaagatatt	900
ataaagacta	tatcaaatgt	tagattcaaa	cgatcgaatg	gattcacaac	gcggaactcc	960
aggttcctgg	tcagggtttca	tcgagagatg	tgggacgcca	tcggacgctg	cgatgtctat	1020
cgacacaggg	accttggcaa	ggaaatagtc	gatgcatggc	tgagcatcct	ttgcgaaaga	1080
caaacttatg	aggacttcat	actggcgaag	gacgtgatcc	tggcaaccca	ggatcctagt	1140
tcagctgata	gtcgatgggt	gcctaccctg	attgcatgct	ggcttaaaga	ttcggcgga	1200
tcacgacgta	gcagcaatcg	gcattttatc	aaggagcttt	tgggctattt	ccatcccacc	1260
gccacatctg	aaatcattat	tcgcacaacc	gagtatatgg	tgtctacgaa	gatgggctgc	1320
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cagaaatggg	tcgatattgg	cacgcaacat	atgcccagat	tattgggatc	tcgcaagag	1440
atgaactcga	cgctatcatt	aaggcaccaa	atcatcttgc	gcattttggat	gttgcgagcc	1500
cttagcaaat	ctctccccc	gggtccgctt	tggaggaaag	atcagagggg	gactgactca	1560
ccgataaccc	atctctgcac	aattttacgaa	tctactctcg	acaaagacgg	cggttacgag	1620
gacctcttaa	gcagcttgat	gctggaaatc	catacccttg	gcataccatc	taacggcctg	1680
ctgatgtcgg	tcgtggaatt	gaaggctgca	aagcggcgca	cgacgcgagc	tcaaagacgg	1740
acattagcga	aactcgagac	aacaaaagtg	tctttcgcag	agatgttctc	agacatccat	1800
gcttacaacg	cgtcaaacac	ccattttctc	gccgcctatg	agaagatggg	gcggcgagatc	1860
gatatcaccg	acccttcggt	cgtgaatcat	gccattgaga	tcgccagaga	cggaaatatt	1920
caaagaatct	ggacactgat	ccgtttattc	cgttgccaca	cccctctcaa	aattgcgata	1980
tcgagctttt	ggccgcgggt	cccagacccc	tctgaaaaag	ctctagtgcg	gtactaccca	2040
gagccaagaa	cctcgctctg	tccagaccct	catttggccg	tagagatgct	ccacctcttt	2100
gctatctctc	tagcatgttc	gaggaacatc	agcccgcgcc	gtgcttatgc	gctgggtccac	2160
tggtctctaca	atttctctgat	gaagcacaac	gcgcacgtga	aaccgtcact	tgtgcgcgct	2220
atgtatcatg	ctggtgtatt	gcgtttccga	agagcagggt	taaacgttgc	gccgactcag	2280
tatgcctata	tccttgaccg	cgtgaaagaa	atcgagacgc	cagaaatggt	gcaagccctc	2340
atggagccgc	cccgcattgg	ggaaagcagg	aatga			2376

<210> 14302
 <211> 633
 <212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (94), (189)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14302

tccattatat	ccccccaag	atgttggtgt	gctgtagccg	gaacagttgc	agacaccgta	60
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ccacggttag	tcacgtgcat	gaccttggtg	aagcagcacc	tattcaggta	ccagggacac	180
atcggcgcnt	atctggtcgt	cgcgggcggt	gacccgacag	gcgtcggctc	tttcaccgtc	240
cacgctcacg	gttcaaccga	caagctccca	tacgtcacca	tgggctctgg	ctctctggct	300
gccatgtctg	ttttcgagtc	gatgtggaag	ccgcagttga	accgcgaaga	ggctatcgct	360
ttgtgttcgg	aagctattaa	agccgggtatc	ttcaacgact	tgggctccgg	cagcaacggt	420
gacgtgtgcg	tcatccagaa	ggataagccc	acacagctac	tgcgtaacta	catgcggccc	480
aacgagcgtg	gtgagaaaga	gcgcaattac	cgcttcctta	ggggcacaac	ggcctacctg	540
aacgagaaga	tcatcaccaa	acaggacttg	agaaaatatg	tgactgtgga	ggatgtctct	600
ggggatccaa	acctcatgga	ggtagattcg	tga			633

<210> 14303

<211> 201

<212> DNA

<213> *A. fumigatus*

<400> 14303

aattctctct	gcaaggagtt	gctttccttt	cagcgcttgg	cctacggcga	ccctatcagc	60
aaagcttccc	tgcgaaactg	gaccggtttc	gagaaacatg	gaagttccgg	gtctccagac	120
agcagtgggt	tcgcgctcgt	tttgtggttc	cccatcactc	tggatcaacg	cctcttgctt	180
cgcttcttgt	atatagtctg	a				201

<210> 14304

<211> 498

<212> DNA

<213> *A. fumigatus*

<400> 14304

atcaggactc	acccatcaac	cttatccaac	aactatccaa	agcccccttt	tccaacctcc	60
aaaatggacc	aaccgcctct	ctcacctccg	gcagagcccg	aatcaatctc	aacagcaaatt	120
cttccctcaa	acgcaccagt	cccgtgggac	tccccctcc	gcaccaaccc	cattcatccc	180
tccctccccg	atatccgcgt	ccccgggtcg	cctttaagac	cataccagta	cgacccagtc	240
acctgcacac	ccatcgatct	ggaatctgac	tctttccgga	ctcaacttga	ccacctcaga	300
acggaatacg	caacccttag	cgctgcgctg	aaagcgcagg	agcaagtagc	aaaggaagca	360
aagcgggaaga	tcgaggaggc	ggagaagaag	cgcgagggaag	tgcaaaaagc	catggataag	420
aagggttaagg	aacgggatac	ggagatgaag	gtgctgtcta	agtatcagaa	ggttaggggc	480
ttggatatte	cgtcttga					498

<210> 14305

<211> 1110

<212> DNA

<213> *A. fumigatus*

<400> 14305

cctagattcg	aatttatatt	aagagtaagt	ctgaccgttc	tcgcatatcg	tagattctta	60
ctaaccaaga	tcttcgctca	gatcatcgat	ttaaacaatg	taccacttgt	gagtggaaacg	120
gcgttcgtta	aatggcggtt	gccgtcgtct	agtacggccg	agcaccatgg	acatacggac	180

aaagcaatca	tccttgatca	tcgagcgtac	tggaactacg	agaagaccct	gcaggtcagg	240
cttacgattg	atcgaaatca	gacactccat	gaatgcgaac	tcgtccctaga	catcatacaa	300
gagtttgggt	ctggggggca	cagcgacaag	aatttttttag	gaaggatcag	gctcaacctt	360
gccgagtatg	tcgacaagag	cgatgacgag	gaaggcatcg	tgaggaggta	cctgatgcag	420
gatagtaagg	tcaacagcac	gctcaggggt	gggattgtga	tgacacaaat	cgatggcgat	480
cgaaatttca	tcacgtatgc	tttgttatca	ctaatacata	ttagtctggg	actgattgct	540
agcagtcccc	ccctaaggtc	cgcgcgggtt	ttcgcaggca	ttgcggggcg	ggtctcctca	600
gaacaagctg	atcatgatga	acttggccgg	cttcgcgtcca	tcaacaccca	gagtcgagag	660
gttgctgata	tgcaggacat	gtaccgcgcg	actcttgctg	cttcattggct	gtgtggcaca	720
gatgacatcc	cgcgggataa	gttaatcgag	gacctctttg	ccactgggtc	ttgcgggaac	780
gacgaacatc	ctgatgctcg	ctctcggagg	acagcggata	ataataacga	gcttcatcct	840
gatagggata	cagatacaag	gcaaaccaga	tcagggaacc	gattgtcccc	aagtttcgag	900
aggcgaccaa	agagctcatc	cagccaattc	ctcaacgaaa	gcaaagggtc	tgactcgtcg	960
ggacacatca	ggaaagggtg	cagtattcaa	gagcagcttc	aggacagtgc	aatgggcaag	1020
acctggaaaa	gccgtagtg	agtggatgaa	ttatctgaat	ttgatgtacg	agaggatttg	1080
cggagctggg	aggtttctgt	aaaggaatga				1110

<210> 14306

<211> 204

<212> DNA

<213> A.fumigatus

<400> 14306

cgtatcttga	ccgataagat	tgcattccaaa	gctctaaaga	aactctcgat	tacgaagaat	60
ttcatggagc	ggctggctcg	aaacaatttg	cccattttcc	catatgcttt	cacgggttcgc	120
gaggccggca	gcagggcgtc	tggcctgtca	atgcatcacc	ccttgccagag	atattctacg	180
atcatcagcg	agtcgccagc	gtga				204

<210> 14307

<211> 222

<212> DNA

<213> A.fumigatus

<400> 14307

tgtctactac	cttatggatc	agtgagcaat	gactctctac	cctgggtatga	ccgagtgaga	60
ctaggtgggt	ctgaggggtc	agtacgtaac	tgtgttgtag	ctactgtcaa	gttccaacat	120
ccgcagaatg	ccaacgtgca	tgcactttgt	ctgacccctg	gctccgttaa	ccccaccagc	180
actaagcagg	tacaagggtc	gaggagtcct	cctgagtcct	ga		222

<210> 14308

<211> 231

<212> DNA

<213> A.fumigatus

<400> 14308

ttgagcggcc	aacgggtatac	tattgctact	gagaccactc	ctctgccgaa	caagacagtc	60
ggcgagagg	tcatgcaaag	atactacgac	cactgggtta	atgtgacaaa	cactgtactt	120
gaagtgccta	acatgctcgg	gtccattgca	ttccaaccaa	tgctcggac	tatcaccagc	180
aaagccaaa	ctagaggagg	agtaatcgct	gaaagccttc	atagcatcta	a	231

<210> 14309

<211> 390

<212> DNA

<213> A.fumigatus

<400> 14309

```

aaagcacagg tatggggagg aaactatata tttacagccg ataagacgcc tcaagtcttg      60
agcgctcttc gtgacttcac cgagcattat cccgatgaca aggcggccat cattgtgact      120
tgtgagcatg gcttggtgat ccacacctgg atcatgttcc tcttctacga cgggcctgag      180
ccaccagagg gtgtttttac caactttaca gcaatcggac ctaccgatac tactaaaacg      240
tgggatagct actatgactt ggtagtaac cctgccgtca gtcacttgga gtggcttatc      300
tcatatcgaa acagcttaaa cataacgata tttttatttt gcagtaagat gatcttctca      360
gtactcgtgt cagctactga ctttgattga                                     390

```

<210> 14310

<211> 366

<212> DNA

<213> A.fumigatus

<400> 14310

```

tcgctgaaag cttcatagc atctaaaaat gcgctaacaa cccacaagga ctttctcgac      60
tttcccacag atcaagacta tattatcatt gagctggact tctcctatgc ttttgctgca      120
gacgatggca agattgatgc tgccaatcag aatctctaca ggggctttga caacatcatc      180
agcgacaaca ttgacaaggg actgttgccg gatgtttacc ggccactctt cctgaatgat      240
gcatatttcc gacaggacta ctgggggtcgt atccgtacca gggagcaggc attgcaaacc      300
aggatcaagt atgatccaga tgggtttttc cagaagagaa ctagcggagg attcaggctt      360
cattaa                                           366

```

<210> 14311

<211> 543

<212> DNA

<213> A.fumigatus

<400> 14311

```

cgcaccatca tgacccgagg tcaaccatgg cgcgcagctg tagcaataac cgtggcggct      60
cttgctcgcc tttcggtcgc agatatctgc tcggtgatca agcaacaggg catagagatt      120
caaaagccgc tgagtcceca ctactataag gacctggcga attattgggc tgctgacctg      180
ggagacctga agccgacatg tategctact cctacgagcg ccttgagatg gtctgcgatt      240
gtgaagcaac tgcacaattt tgacgacctc ttgcgggtga agtcgggcgg acatatgcc      300
aacaatggct tcgccagcat tcaagatggc cttctcatct cgaccgagaa ccttgatcaa      360
gttatctaca atcccgaaga ccagactgct atcatcggtc ctggccttac atgggaagat      420
gctcagaaaag gtctcgatgg tactgggcgg acactcgttg gtggacgtct tgggtggagt      480
ggcgtcggag gatatatgct cggaggcaag ttgcagtcct tgcgatgggt gacatctcac      540
tga                                           543

```

<210> 14312

<211> 231

<212> DNA

<213> A.fumigatus

<400> 14312

```

gcagatatca atccactaca ctccctcgac accataggtt atcatctgct caatccctac      60
acaatcaaca tggccagata cggcgcacta ggtgcaacct tccaaatcgg ccggaacgtc      120
caagcttgct ctctcatcgc cattataggc ctaacaagcc aattcaatgg cgagaacgtt      180
tcaaagaacc gcacggcggc cagccgtttc tttggacaaa taccggggta a          231

```

<210> 14313

<211> 1359

<212> DNA

<213> A.fumigatus

<400> 14313

```

ctttggcctc ccaagatgcg aaatggccaa ttgggaacga tgagcggggt ctatgggact 60
ttttctgata tcgcggaccc cgtgccagct aaaacgccgg ttcctagaaa agccgacttc 120
attcaactcg acggagtcag tcagcctgcg gttgcagata tcgtgcgcag ctttgtacgt 180
gtctcctgca ccatgccctt gaagctcgat gggtagccgc aagccaagaa aaccggtttc 240
gggttggtga tcgatgctgg aaaaggcctg gttgtggtgt ccagagctat tgttccctat 300
gatctgtgtg acatcaacat tacagtggcc gattcgatca ttgttgtggc caaggttatc 360
ttcatgcata ctctacagaa ctataccatc atccaatatg accccagtct ggtacaggct 420
cctgtccaga gcgccaagtt gagcaccgag tacatcaagc agggccagga gaccatcttc 480
gtgggcttca atcagaactt ccgcctcgtg gtggccaaga cagcggtcac cgacatcacc 540
accgtctcga ttcccgcgaa tgcctcggcg ccgcgctacc gggcgatcaa cctggatgcc 600
atcacgggtg acacgggcct gagtgggcag tgcacaaatg gtgtgctgat tggggaagat 660
ggagtcgtcc aggccttctg gctcaactat ctgggagagc gcaccccaaa ctctcacaag 720
gatgtggaat accatctcgg ttctgccacg ccggcgctcc tgcccgttac atccaagatt 780
cagcagggga tcattcccaa gctgcgaatc ctcaacatgg agagctatgt ggttcaaattg 840
agtcaggccc gcatcatggg tgtctcgaa gagtggatcc agaaggtagc acaggcaaat 900
ccgtcgcggc accagctctt catggtgcgc aaagtgcact gtctccgcc gcagtttacg 960
tccaatgcgg actccttaca agaaggggac atcatcttaa ccttggaagg tcaactgatc 1020
actcgcgtct ctgagttgga caagatgtat gagaaggagg ttcttgacgc cttatcgtg 1080
cgcaacggac aggagattca tctcaagtta ccaacggtac ctaccgagga cctggagacc 1140
gaccgtgctg ttgtgttctg cgggtcgtg ctgcagaagc cacaccacgc ggtacgtcag 1200
caaatttcca agctgcacag cgaggtgtat gtcagtcaa gggtagttc aacattgtac 1260
ttaaagttta atgtagccat ggtactaacc ttctccagag tcgcggttcg ccggcgatc 1320
aatatggcct ggcaccgaca aatttcatca ccgcctga 1359

```

<210> 14314

<211> 210

<212> DNA

<213> A.fumigatus

<400> 14314

```

ttcgggactc tcgatcctct ggccaagtcc taactttgtga ctatccacgt atccggagac 60
tcgaggtatt cacacaatat ggatctaatt tcaagtgagt ggatgaacag tgaacattcc 120
gacctttact accaacctgc tcaagctatt acctttggcc ccctccctta cttttctatg 180
aacattatca cttctccagc tgctcgttga 210

```

<210> 14315

<211> 447

<212> DNA

<213> A.fumigatus

<400> 14315

```

tgtagccatg gtactaacct tctccagagt cgcggttcgc cggcgatatca atatggcctg 60
gcaccgacaa atttcatcac cgccgtgaat ggcgtttcga cgccgaacct tgacagcttc 120
gtcagggaag tcagcatgat tccagacaat acatacttcc gtctgcgtgc tgtgaccttt 180
gacaacgtgc catgggttgt cacgatgaag aagaacgata attacgtagg ttatctcttt 240
tcctctgttg gatatttctg gactgcggga cagttcccca tgtccgaata cgtcaaagac 300
ccgtcgcagc cacttggtat ggcgcaggta tcccacgaga gagacaggca caaggatggc 360
atcacccctg acgcagccaa tctcaatcca gacgccatgg acgaggtgta cgaagaggta 420
agcgacgttg aaccggaggt tgattga 447

```

<210> 14316

<211> 798

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (771), (773), (783)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14316

```

ggacacggtc gacttgatga catctacgac tctgtcaciaa ggtcagctac tcgaaggggc 60
tgggatggcg tcgatctggg ggtgatcgga ggtgactttc aagtaagact gattcctaata 120
tcgagtgtcc tttttgcctc taactttcca acccaggccg tccgcaactc aaatgatctc 180
gcttgatgtg cagtgcctca gaaatacaag gcgattggcg acttccatga atactatagc 240
ggaaagaaga ccgcccctta cttgaccatc ttcattggag gtaaccatga agcaagcaac 300
tatctgttcg agctttacta cgggtggttg gtggcaccga atatctatta cttgggggca 360
gcaaagtcca tccgttgtgg ccctcttcgc attgcaggct tgcggggcat ctggaaagggt 420
tacgactacc gaaagccaca ttttgagcgc cttccctaca acaatgatga cgtgcagagc 480
atztatcatg tgagagagtt agatgtacgc aagcttctgc agattcgtac tcaggtcgac 540
ctcggcctgt ctcagtactg gcccaaccga gttgagcttt gcggtgacca cgagacgctt 600
ttcgcaaaga agcagcgctt ccgagaagat tctaacaacg gccgacttgg aagcattgcc 660
gccagatttg ttcttgaccg tctgcgccct gccttctggt tctcagccca cttgcatgtg 720
aaatttaatg cgggtggttc acacgcgcga caacttttct tacaccagac ngngcggaag 780
ganccacgta tggcgctc

```

<210> 14317

<211> 660

<212> DNA

<213> *A. fumigatus*

<400> 14317

```

gctgatattc acaaaagcct cttttcgcat atctcgagca gcccttttac ttttgacgat 60
atgcctatca gtgatcatac tcctcgcttg aattttctca aggactctgc cagcgtgctg 120
gactcgctca gcccttcgac agcatctcat ttgttaatgg tcataatcg agttcttcat 180
gatgagttca aacctctgac tcaacggcaa ctcgacttcg catgtggtgc atgtggtagt 240
atcagaaaac ctgagaggac caaaactatt gaaattagaa agaaaaaagc aaaatcatct 300
agttcttttg ctcccaagaa atcttccgct ctaggagcta cggctctaca atgccttcgt 360
tgccatcgaa gaacagttaa accagcagca cgcccaata taaaatctaa gcccgacaca 420
acagcagctc ctgttccctac tactcagtc acgacatcta ccaccactgc aaaatagctt 480
tctccaaccg cacaatctgg tgaggcggac cgaagcagta aaacagccga caacgccagt 540
agcaagaaac gtgcgaaagc gagaaagcaa ggaggactac aagctcttct ggcatacaag 600
caacaatctc aatcaaaatc atctcgctct cttgatattat tcgattttct acagcagtga 660

```

<210> 14318

<211> 642

<212> DNA

<213> *A. fumigatus*

<400> 14318

```

acacaatcag ctaggcagat gtcctccgac tcgatgtccg actattccca cgatgaggag 60
cacgaccccc aggcggatga gctccgcgag acagctctag tgacgctgga aacgcttata 120
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<210> 14319
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 14319
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 tttcacttgc ccgaactccc tgacaccttc tttggctgga tgctgttct gtttcggata 120
 acggacgaac aagtactcaa ttctgcgggg ctggatgcgt tcgtcgtaag ttcgctactg 180
 gttttgagtc catga 195

<210> 14320
 <211> 1203
 <212> DNA
 <213> A.fumigatus

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 catgacgatg gcatgacgga gaaggacgga aaaaagaagt tgatctcgga cccgaactat 180
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 aaccctatth taagttcgct ggtgcagaca ggtcttccaa ccttggtcct ctgctattg 1140
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<210> 14321
 <211> 564
 <212> DNA
 <213> A.fumigatus

<400> 14321
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 gttttcggta cagcgacaac attctaccag ttttgggaaa cgcttcgaga cgctttcaag 180
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 attatttggt tggatatatg tgttttccca agctcctggc tgatctgtct tttcgggctg 480
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 cagcaaacct ctaccggagc agct 564

<210> 14322
 <211> 288
 <212> DNA
 <213> A.fumigatus

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 tgttctatac gaaactccac ccttgacgtc agttctcgtt tgcccaaacc acttccgttg 180
 ggacacaacc acgtgccgga tgcatacgtg aacgccacca ttgagacata cattcagcac 240
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<210> 14323
 <211> 249
 <212> DNA
 <213> A.fumigatus

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 ctcacaaaat tccatgtctg gaggcgtcat aatataggtc aagtaagcaa cctgccgacc 180
 atgactgagt gggacactat agcagaattg catcagcttt ctcgatatgga agtacagcaa 240
 gtagggtaa 249

<210> 14324
 <211> 1278
 <212> DNA
 <213> A.fumigatus

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 cgcaagatcc gctgcacagg gacgcaccc tctgagccgt gtctatacta caaaaagccg 180
 gagctgtgtc gctattcaga tcccagagtg ccacacatcg ggacgcgagg aaatgggtcc 240
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 acatcgatgg ccgtctcgac aaagccgcca gcgggtcgtt cgccgttccc ctctgttgtc 1260
 cttgactcc tcaactaa 1278

<210> 14325
 <211> 588
 <212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (471)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14325

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atcgattccg	caggcacagg	agcctatcac	acactcgagc	ccccgattc	ccgcaccatg	180
tccaccctcc	gccgccacgg	catcacaaac	tacaaccacg	cggcgcgga	gattaccaag	240
gatgacttct	tgcactttga	ctacctctc	gcgatggata	aatacaacct	gcgggatctg	300
ctggatgtgc	gcgaatcggt	tggtgcttcg	ttgcgaaagt	ctggaggtgc	caagggtact	360
cgggcgtcga	gcggaggtgc	cggcgcgaaa	gttgcgagg	tgaggttgtt	tggtgatttt	420
gggccgggcg	gtgttctcca	cgaccgaata	ggtggtggtg	aagttgtgca	ngatccttat	480
tacggtggtg	ttaatgggtt	cgaggaggtt	tatcagcaag	ttgtgcggtt	ttccaagtgc	540
tttttagagt	acttggagaa	gaagcagggc	tctgaggttg	aggagtga		588

<210> 14326

<211> 654

<212> DNA

<213> *A.fumigatus*

<400> 14326

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tatacccagc	catacgagcc	aacagtcacg	ccgcaaagtc	attatgatct	agggcagtac	180
cacgagcaac	atcagcctta	ccaagatgac	caagtgccca	ttttacaacc	tgagaacccg	240
ttcggcccag	accgtacag	tgaagagtac	catgacgacc	ctgcggctgt	gcccactccg	300
agtccagcgc	caatacgacg	ctggaagacg	gtcaaggaag	tacaactctt	ccacggtaac	360
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ttttacgagg	agcggttcac	attgcgccag	aaactgttcg	cgaagcctcg	tcacaccgag	540
cttttcatcg	tcattaccat	gtacaacgag	gacgacttct	ttttcgctcg	aacattaatc	600
ggtgtgttca	agaacatcga	gtacatgtgc	aatcggacgc	agagtaaaac	ctgg	654

<210> 14327

<211> 318

<212> DNA

<213> *A.fumigatus*

<400> 14327

ggatggtcgg	cggcaaccat	gggccggggg	cggcccatgg	cttgtagcga	ggcggtggag	60
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gcgaagagtc	ggggagagga	gctcgatgat	gaactcaaag	agatgctggt	aacattccgt	180
cggattcgtg	atgaggagct	agagcatttg	gatcatgcta	ttgagaacga	tgccaaggag	240
gcgcagcctt	atgatccctt	ggtcaatgtg	atccgcttgg	gctgtagagc	ggccatcaag	300
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<210> 14328

<211> 336

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (48)

<223> Identity of nucleotide sequences at the above locations are unknown.

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cgtatgagag	ggcatgaggt	tctccatccg	atgggttggg	atgcgttcgg	gttaccggcc	180
gagaatgcgg	cgatcgaacg	cgggattgac	cgggccgagt	ggacgaagca	gaatatcgcg	240
aagatgaagg	agcagttacg	cagcatatcg	acgtcttttg	actgggatcg	ggtatgtctg	300
gcatacgtct	caatcggact	agttgactct	cgttga			336

<210> 14329

<211> 2346

<212> DNA

<213> A.fumigatus

<400> 14329

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aagctaaaa	aatggttctt	cgaatcaca	gatttcaaag	aaatgttact	gaaggatctg	120
gactccttaa	cggggccttg	gcctgagcgg	gtattgacta	tgcagcgcaa	ctggctgggc	180
aagtcatacg	gtgcgaaaat	caaattccag	gtagctgttg	acgcgagcgg	tgatgccaat	240
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ctgtaa 2346

<210> 14330
<211> 558
<212> DNA
<213> A.fumigatus

<400> 14330
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tccaagtcac gcataatcgt gactttgatt ttgtgcgcat tcagcacagt acgacactgc 180
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tccatcttca atgcataa 558

<210> 14331
<211> 315
<212> DNA
<213> A.fumigatus

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ggcgaccacc actag 315

<210> 14332
<211> 2094
<212> DNA
<213> A.fumigatus

<400> 14332
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ccatcatcaa cgcagagctt gacctgtctc ccgtctacgg gcaaggcggc gaacccgcag 180
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aagctgcgtg	gcaaggacgg	agagaaatcc	attcagaatt	ggttgttggg	tgcactgccg	2040
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<210> 14333

<211> 753

<212> DNA

<213> A.fumigatus

<400> 14333

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gactcaattc	tggctctggat	aacagattat	gtgtatgcac	cgtaacagaa	catcggaagc	180
atgttgaaga	ccacgccggc	tcacatattt	atcatggaga	atatgctagt	cgggaggag	240
gaggactctg	ccaaggacga	ctgggagacg	tatgatttga	aaccaatcga	ctacttctac	300
ccggagcggg	acttactacc	ggatccattg	gtcagcgaag	agaccctgaa	taggctagct	360
gataagtttg	aggataagat	acacatgccg	cagtcggact	atgaacgggt	tgcagaagta	420
cttgaagccg	acactcgtct	ccttcagtca	gcaaagccg	ttgactactc	actctttctg	480
atccgttacc	cagcgtcttc	caatcccggc	gtggtgggaa	agaaaaatcc	atggcgcgta	540
ggattccagt	cccttgatgg	gaagtggaa	taccgcgcgg	taatcttggg	tttcttctgg	600
gcaaaacaca	agctgcatgc	gcaggctatg	accacagtgg	tgcagacctt	taatgttatt	660
ggtcaccatg	ggcccatgac	aatcacacgc	acggcagacg	aataccgaca	gaaattcttg	720
gatatggctg	atgagctgct	ggaggtgcat	tga			753

<210> 14334

<211> 519

<212> DNA

<213> A.fumigatus

<400> 14334

agtcagcgaa	ggaaaaagtt	gttcccctcg	cgaggcttag	aagattcccc	tccgtctatg	60
ggtcgttatc	tgttagcgg	ggcccgccga	ttttcaagcg	acatttttct	gactgttcca	120
tcctacagtc	cactgcacag	tcgtgtcct	tcctactttc	gtacctctac	tgatctccaa	180
tacaataccc	cacgtccgtc	cctctaccct	cgagccttcg	gtacctccgc	ttcgctgtac	240
gcgtctccg	ggaagtcctc	gaaattacac	gcagctatgg	catctgccgc	tgaccttctt	300
gtcgccgttg	agggcctgac	tctccagtct	accgctgaga	cctccaagtt	ccccaactgc	360
taccctcgt	taaactcctg	cgagctctac	agagtgacac	ttgcggagaa	gctgggtgcc	420
gcagctggca	tcgagcctga	gaagctttac	cccaagctgc	aatggaccaa	tacactggac	480
aagggtgact	tggttctgcc	ggtacggact	attgcgtga			519

<210> 14335

<211> 1182
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (131), (158)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14335
 aagaaaaatg ctggctttcg ggtcccatat ggtaaccaag gtttgcaag acccctcgga 60
 ttcttcccaa gggaaagaaa agattcatcg tcaagttttg gtcacctaac catggccagg 120
 cccttcaatg ntgggtccct gcgaagtcc atcatcgtag gtttcctggc gaatctctac 180
 acggttatgg gttgggacgt catcaagatg aactaccttg gtgattgggg aaagcaatat 240
 ggctccttg ccaatggttt caagcgcttt ggtaatgagg aggaactact caagaaccct 300
 atcaaccacc tgtttgatgt ctacgtcaag atcaaccaga ttgttgccca gcaggagggc 360
 cctatcaagg agttgaagga gcagatcaag gccagaagg agaagaatga ggatgtgtct 420
 gtgcttgaag ccgagcttgc caagctcgtt gacgttagcg aggacgaaaa ggctcgtcgt 480
 tacttcaaga gcatggagga tggcgacgag gaagctctcg ccctctggcg acgattccgt 540
 gacctcagta tcgagaagta caagcagacc tatgctcgtc tcaacattga ctttgatgtc 600
 tactctggag agtcccagat caaaaacgag agcatgaccg ccgcctacga gactatggag 660
 aagactggag tttccgagaa gtccgagggg gctgtcattg tcgactttac gaagcacggc 720
 gctaagaagc tcggaaaggc catcattgtc cgcaaggacg gactcctct gtacttgacc 780
 cgtgatattg gagctatcat ggagcgtgat gaggcctacc acttcgataa gatgatctac 840
 gttgtcgcgc cacagcagga cctccacttg gctcaactct tcaagatcac agagctgatg 900
 ggccgcaagg atttagccag ccgctgccag catatcaa at tccggtatgg cctgtgtatg 960
 agcaccgta aggggtactgt caagttcttg gatgacatcc tgagggatgt tgcggacaag 1020
 atgcacgaag tcatgaaggg caatgccgag aagtacgcgc aagtcgagaa ccccgaaag 1080
 acggcgata ttttggtgtt gacctcgttc atggtacagg atatgaccgg gaaacggtgc 1140
 gtatatattca cttctaacct tgagtcgagc ccacgaaact aa 1182

<210> 14336
 <211> 816
 <212> DNA
 <213> *A.fumigatus*

<400> 14336
 tgtttgttgt tgaggattac tgacatattc ccgtgcaagt tctacgttgt cctttacctc 60
 gtcgcacccg aaccgcgaaa accattacct gaggagaagc gataccgcac cctttccgag 120
 gatggagcag tcaccaaac cgaacaattg ccctgctggc aggacgccct cgaccggcag 180
 aaacgtcccg gtcggatctt tgaccattca catatggaga aggcggagct attcatgtcc 240
 ttggtggtcc ctgcatacaa cgaggaggac cgtctggccg gcatgctgga ggaggcgtc 300
 aactacctgg agaggatgta cgggacactt gcggcatcat ctgcctcgaa caagaaggcc 360
 ggagacgcgg tccgacagcg gaaaccgacc aacggctatg cgaacgggca tgccacgaca 420
 atggtcacgc ctageggcaa ggttccacct gagaagggtt gggagattat cattgtctcc 480
 gatgggtcca aggataagac ggaggaggtc gcgtttgctt ttgcccgcga ccaccagctt 540
 tcgttgcac ctaaggggta tgctggtcct tggacgccga cgcgccacga gggggtccat 600
 attccaccgg gcacgatccg ggtagtcact ctggccgaga atcggggaaa gggcgggcg 660
 gttacacatg gcatgcggca tgtccgcggt cagtacgtgg tgttcgcgga tgccgatggg 720
 gcgagcaatt ttgaagacct ggggaagctg gttactgctt gtcgggacat tgaggacgtc 780
 ttcaccacg gggcatggga cgtgccgcgc ttgaag 816

<210> 14337
 <211> 225
 <212> DNA
 <213> *A.fumigatus*

<400> 14337

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gtgcccgtcg gctgttgtgg ggttgaagca tgcgggcttg tcaaggacca cctatgtaaa    60
aaggatccag aggatcggat taagcaacca cctatctact actcactaaa cccaaaacca    120
aaaggacaag ttggctatcc ggtcctccgc cccaattttt atggcattcc acgcatgatg    180
gccattgtct gtagcgactt caacgatcaa tgcaagcatt actga                    225
```

<210> 14338

<211> 1734

<212> DNA

<213> A.fumigatus

<400> 14338

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cgcgtttccg gcatcgcgtg tccttccagc cccgcgggtga agatatcgac acttcagcca    60
agtgtcaggg aagagaaaact cgcgcgcggg cccaaggggc aaccagcaga acccgtggaa    120
ggattgagct ttgatcagaa atccgcctgga ggtgactctg cggtagccgg aggtacagca    180
tcacatggga tcttcttaca gccagaaaact catcctataa cagaagagca attgatcaat    240
gaagtgcgag gaatctacgc cgggctattc atggtggaga agaaatgcat tgaaatcgac    300
aagcaaacag ccgagtcgaa gactccgctg tccccagtc aatggcaggg cctgattgcc    360
ttgcatcgaa cgcgtctgaa cgagcatcac gacttctttc tagcatcaca acatccgtcc    420
gcgagtcctg tactcaaaag gctagcagag aaatatgcca tgccggctcg tatgtggcgt    480
tatgggatcc attccttctt cgaactacta cgccaccggc ttcttgactc cttggagcat    540
atgctgactt tcatttacat ggcttactcg atgatgactc tgctattcga aagtgtccgc    600
gcatttgaag acacgtggat cgaatgcctg ggagacttgg cgcgatacag aatggcagta    660
gaagaggtgg acgtgcgaga ccgcgagatc tgggctggcg tcgccagata ttggtacaac    720
aaggcggcgg ataagaatcc tgatgttggc aggatacagc atcacctcgc cgtcctcgtc    780
cgtccggatg tagtccagca gctgttctac tatacgaagt ctttagtcag tgtgcattct    840
tttccaagca caagggaaaag cataccatca ttgtttaatc ctcttctgaa tgcgccaaaa    900
gctcatcacc actatccgct cattgcccgt tttgttttgg ctcatggcta tctcttctat    960
cgcaacccat cacctcagtt ctccagatca gcggaggaat tcttgacaca cttggaaact    1020
catgtcggcc gaatgggggc cgctttaaag atgcaagggtg tctatatgtc gtcgtgcaat    1080
ttcgcagcca tattcgaata caatcacctt gacgcgcgct taccgcgcaa gttccaccgg    1140
cgggaaaccc atcatgggag gcctgctttg gagacccaac cgacgcctgc aaaaacctcg    1200
acttccgctt gtgacgtccc tctgacagcg gatgggtcaa tggcatcccc agatggtcga    1260
aggtattcgc cactaagtct ttacgcgtcg tgccctgacgt ttcaaacatt gtctgtcctt    1320
cttgaccaga tcggaacaa gaacgtttat cccacagtgc atatctcgat ggccttcctt    1380
tgggtgcctag cacttaacgg cagaagcagc atggagtata tcgaagcttt cgttccgtgg    1440
agaaaaatcg ccatctttct caataccatg attcgcgatg acgtagacat tcaaattttc    1500
gaaggtcccc atttccctac ggtggaagag agaaagcaat tgccggagga ctttttcata    1560
cgtggtcaaa tctggagtca gcattatttc ccacctcgtt tttttgagga ttctctcatt    1620
gaagatgagg ggcgtttcat tgagctaccg tctctgaatg tttccaggat gtacaggtgc    1680
ctttggctgg gaatgaagct ggcgacggta tgtctgaaga atcacggcga atga                    1734
```

<210> 14339

<211> 501

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (6)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14339

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agcacnatat ctttccctgg tgatggcaac acggatgcc aatctagctt tgacgcagac    60
cattccggag acgacgaatg ggcctgtctt ttctgtcgag tcgcctacgg actccgagcg    120
```


aagctgaatg	caatcgatga	cgactatatc	cgcgactata	tcttgtacgt	gcaaaagtct	180
cctgtccatc	tgtccgtgac	actggatacc	gagaacctgt	acctcagcaa	ttggcgcgag	240
atcgggtgtg	atgatgccga	ttttggaggc	atggtgggca	agccgctccg	gatgagagct	300
ccgatggat	acaccgatgg	cctgatcttt	gtgatggcgc	agcggagcga	cgataagttc	360
gcgccgtggg	agtttaatat	ctcgctggag	gcacgcgaca	taaagcggat	tgtgcatgat	420
cccctccggg	gcaagtatgt	tgagctggat	gagttctggc	atagcgagct	tcactttcag	480
ggaccggcag	attttcgata	g				501

<210> 14340

<211> 237

<212> DNA

<213> A.fumigatus

<400> 14340

cgagcttcac	tttcagggac	cggcagattt	tcgatagcta	tctacgcgag	ctttctcaaa	60
tcttgtggat	atatctactg	tagacatgct	ccagatatac	tgacacaact	gcgaccctac	120
cctgccgtga	ctttgatccg	tgtatatttc	gttatgtctc	tcccattcac	gcttttttct	180
tcctggcatc	tcctggcctc	tgagactgtg	caaggggtag	gtgagactgc	aacatga	237

<210> 14341

<211> 312

<212> DNA

<213> A.fumigatus

<400> 14341

cagggttgtg	ggcattggcc	ctgcgtcagt	atgccgaggt	cgacaccggt	ggctagcgaa	60
caggtcgact	ttgtaatgaa	gcttctcggg	aacacaacca	agcagatcac	tacggcaact	120
tacatcaagc	tggcatgggc	tgtcgtcatt	tcctgcaaca	ctggcagcaa	tgacactgtc	180
tttggcatta	cagtcaatgg	cggaggtgct	cctatcgacg	gggccgggtga	gatgaccggt	240
gcaaccatcg	ccaccatccc	acagcgtatc	aagctgaagc	cggaccaggc	tgcgacgaat	300
tgcatgggct	ga					312

<210> 14342

<211> 1893

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (117), (658)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14342

cagaaccatt	caggagcctt	cgcgggaggg	aagggcggcc	tgtatgttcc	aaagccaact	60
gatcattcaa	ccttgtcttc	cgagcccggc	ggattttttc	gagacttgcg	accattntgc	120
aactcagacg	ggtgcattct	ccgcgtatgg	tctctccctc	gaatgccagc	tggcatgatc	180
agtcgggagc	gcgtgcaacg	gctgctgcag	cacctcgaa	ttgtcttgca	agacctcatg	240
gccgatccct	catgcaaagt	cggcgatttg	cctcgatga	gtcggcaaga	gtgggatcag	300
atacagcgat	ggagtggcac	tctgccacca	gtctcgaggg	agtgcgtgca	tgaaattgtc	360
aaccaacgtt	ctctgcagtt	tcccattgca	tgtgcggtgt	ctgctcccga	cggggatctc	420
tcctacgccg	agctgatacg	ttctgcta	gccgtggcgg	ctgaactact	tgtccacggg	480
gtcgaacggg	gcaattatat	ccccgtgttg	ttcgagaagt	gcaagtggtc	gccagtggct	540
atggtggggg	ttctgaaagc	aggcgccgca	tttgcctcc	ttgactcttc	ctaccctccc	600
cagcgtctcc	ataccatctg	cggaggcttg	aagacccaaa	tcatactatg	ctcaaagnat	660
atgtatgcaa	gagcagcctc	gctcggcccc	acggccatag	ccattcaaga	gaatgccgca	720
ttcctggcgg	atattcccga	cgtcactttc	ccggttgtca	gccccgaaaa	cgcagcatac	780

gtggtattca	catccgggtc	aacaggtacc	ccaaaaggcg	ctggtattga	ccatcaatca	840
tattgttccg	gcgctctagc	ccacaaccgc	gcccattgtc	ttggtcgcaa	ctcgagagt	900
ctacagtatg	cttctctacg	cttcgacgtc	agcattatgg	agacgctcag	cacacttatg	960
gcgggcgggt	gtgtctgcat	actctccgac	ttggagcgtc	atgaccactt	tgccaattct	1020
gttcagaggt	tgcccgtcac	ccatgcattt	ctgactcctt	ctaccgccc	actgctcatg	1080
cagcgagagc	tcccgtcggt	gtgctgtgct	gtcctgggtg	gcgaggcaat	gtcactggct	1140
gaccgcagct	actggatgag	ccgggttcgg	ttgatgaacg	aatacggtat	tgcagaatgt	1200
tccgtggcat	ctaccatcag	ggaggtctcg	catgtcgagc	aaaaggatat	tggcttccc	1260
atgggcgtcg	tgccctgggt	tgtcgatcag	aacgaccacg	agaaactagt	ggccattggc	1320
gcaactgggg	agctcttgct	tgaagggcc	tccgtgggtc	gaggatactt	ggacaatcca	1380
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agtttcataa	gtcgggaagga	ctcgagatt	aagatccg	ggcagagggt	cgagttggag	1560
gaggttgagc	agcacctccg	ccggtatcgat	gagatccagg	aagcaacgac	agtcggttgc	1620
gcgccttcgg	ataggccgaa	gcagccatat	ctgggtggcg	tcatcgtccc	acgagcccgc	1680
gaatccttct	gtgtctgctc	tgcaagggca	ctcattccgc	atcctacaga	agaattccgc	1740
ctccaggcgg	caaccattca	aaccaaaactg	cactcgatcc	tcccagccca	catggtgccg	1800
tcaatctatc	ttccagtga	ccgaatgcc	aagacaagca	gcgataaggt	tgaccgttgc	1860
cgactgaagg	aggaggtcgg	gaaatggtcg	tct			1893

<210> 14343

<211> 720

<212> DNA

<213> A.fumigatus

<400> 14343

aacggccaag	acgccttcat	cgatgccacc	tccaccccgg	accccagcgt	cgccatccgc	60
ctcatcgacg	catccgtcgc	cgctggcatc	caccgcttca	tccccgccga	gttcagcacc	120
gaccccgccg	ccacaaactg	ccgcgcgctg	cccggtgttg	ccggtaaggc	aaaggtctac	180
gactacctcc	gccaggtggg	cgccgcgggc	cggataacct	acaccagcat	ctcgacgggg	240
gccttctctg	agctgagtct	gcggacgggg	ttcgtgaaca	tcgacattgc	cacgaagcgc	300
atcgatctgc	tgaatgccgg	gtcgcgtggt	actccctgga	cgcgtttgtc	ctcggtaggc	360
agcgcgtg	cgaatgctct	gctgcgcgcg	gacgagacca	agaacaggac	gtgctacgtg	420
tgcatgatca	tgaagagcca	gagggaagg	ggcgagctgg	cgcaggaggc	tctgggcaag	480
gagggctggc	gcgtgcagag	tcaggatgcc	gcaaaggcgc	tggagggggc	gattgcacag	540
ttccaggttg	ggaatgtcac	ggttgaggtg	attggggcca	tgattcgggtg	gacgcttacg	600
cagccggaga	gcgcggctgg	ctggggccacg	aatgataatg	agttgctggg	ggttccgact	660
atgacggatg	acgagatcaa	gcagttgatt	cagcagattg	cggaggagat	gaaggcataa	720

<210> 14344

<211> 183

<212> DNA

<213> A.fumigatus

<400> 14344

gttgcctgca	cactgtctaa	cctgtgcgtc	agatacgaca	tgtacaagga	tgtcgaggag	60
gttctggcca	aacgcgggg	aaagccgttc	atgcagcagt	atatccgagg	tcttcccatc	120
ggattgaagt	tatcgaatgg	cactgtcgtt	ggccagcagc	cgtctgctga	ggtgaagctt	180
tga						183

<210> 14345

<211> 249

<212> DNA

<213> A.fumigatus

<400> 14345

gctaataatgatg	gcaatcatctt	actacaatca	gtctactacc	aacagattta	tatcctgggtc	60
aaactcagca	ggatactaaa	atacacgatt	aagcgccgta	tcacgtccta	cgccaaattg	120
gatatgattg	gtaacgtcct	tcgggggtgag	tggttgtgcc	ttcttcaa	tctgcaagta	180
agcatccttg	ttatgacgca	gtatcttcag	tgtacgatct	cgagcccaga	aggtctcgct	240
actccgtag						249

<210> 14346

<211> 1683

<212> DNA

<213> A.fumigatus

<400> 14346

ttgcgtgatt	tgatgttata	atggctaatt	gctgcaaact	tcgagtattt	attctctcta	60
ccgtgtgaca	acttgccggg	atattcttat	ctataccgat	catttgattcc	tcattgtcct	120
ggatcagcac	aacagttgac	catggtcgct	accacggcgg	tcgactctcc	ccaaagcccg	180
cgggacgaca	aggtccagc	tatcagagt	aaacaggaca	agctccccac	aaaaggcgat	240
gcagctttgc	aacttcttgc	cgggaagagac	actgagaatg	gggtcctaga	ccccgatgcc	300
tcgcgcggcc	tcgtccgcaa	aatcgacctg	tacgtgatgc	cggttgattg	catcgtctac	360
ttctgccaat	acctagacaa	gatcgcaatc	agctatgcc	gcgtcacagg	tatcagagaa	420
tcggcacatc	tcacacggga	tcaattttaat	tggatctcca	gcattctctt	cttcggccag	480
ctcaccttcc	aattccccac	catgcgcctc	attcaggcct	tcccggtggc	ccggtacgtc	540
gcgaccaacg	tcacactctg	gggcattatt	ctcgctgca	tggcagcctg	caaatccttt	600
gcgtcgctga	tggtctgccg	cacactcttc	ggctgtgcgg	aggccgccat	cgtcccggcg	660
tgggttgtct	tcacgtcgca	gtggtaccgc	aaggaggaac	aggcattccg	tgtgggactg	720
tggttctcca	tgtgcggctg	ggcgagatg	tttggcgggt	acgtggcgta	tggggtagcg	780
gttcatgtcg	gcagcgatcc	gcacgcggcg	cttcgcggat	ggcaggtgat	ctttctcatc	840
ttaggagctt	ttaccacctt	ggtgggtgtg	ctgttcttct	ttatcttgcc	tgattcgccc	900
gtcacagcag	ggttcctctc	agccgaggag	aaggcgctgc	atgccagcgc	tcttcgtggc	960
aacgagcagg	ggattgggag	cacagtgttc	aagcgtgaac	aattctacga	ggcgttgcca	1020
gatcccaaaa	catggcttta	ttcattcttg	gtttttgccg	cgaatattcc	caactcgatc	1080
gctaccagct	ttggcaatat	cctcgctcag	gggatggggg	actcggcgac	acagagcctg	1140
ctacttgtga	cgccattggg	tgcgtacgag	gtggtcgttc	tgggttgatt	gacgtacctg	1200
gctatgcgaa	cgaaccagcg	cctgctctgg	tgtatcatcg	ggcatatccc	gagcatcggt	1260
ggtgcgatcc	tcattggctac	gacgaataaa	gctccgcctt	tgggtgggta	ttatctgtct	1320
ggcggtatcc	ccatcggtatg	gacgacgatt	ctggggctga	cgagtaccaa	cgtcgccgga	1380
tcaacgaaga	agatcactgt	ctcgtgcata	cagaccatcg	catacacagt	gggcaacatt	1440
atatcgccgc	agacgtttca	acacaaggac	gcgccgaggt	atcttccagc	aaagatctcg	1500
attgtcattc	tgtatgtcct	tatcaccttg	gacttgtgtc	tgatccggtg	gttgtcgatc	1560
cgggagaata	agaaacggga	tgcggaaagg	gaagcgctgg	gggatgcata	cgtggtggaa	1620
aaggaccatg	agttcttgga	tcagactgat	tttgagaatc	gcgagtttag	atatgcgatt	1680
tga						1683

<210> 14347

<211> 273

<212> DNA

<213> A.fumigatus

<400> 14347

atactcgccc	actacccaag	cgaggggatcc	aagggcctgg	ctatcggtgt	gaggttcaag	60
gaacaatgca	tgtcggttat	caacagaaat	cagaagttct	gccgtctttg	tggcctgcag	120
tcggactcct	ttaacacgga	cggcgacatt	gcgtatttcc	aaacagatcc	gggacattat	180
atcatctcca	cgatcgtctt	ccagcaccgc	agtagctcgc	ggaaaacgga	attgttttagt	240
ttgcagtggt	cggagcttca	tcaactctac	taa			273

<210> 14348

<211> 252

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<400> 14352
tttgcgactt tgacaccctt agaacctaga ctaattcgga aactctctgg gccgctgatg    60
aacataattg aaacgcgcgc cgccatgtca ctgctatatg aatgtattaa tggcgtcatt    120
caaggaggca tacttgatgg cgacgaagca cttgaagaga gagatgaagt cgcaagtctc    180
```

tgtgtcggga aacttcgagg aatgattgtc gccaatccg acccaaaccg taagtttctt 240
 tgtggaaagt aa 252

<210> 14353

<211> 897

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (253)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14353

attgtagtca aatatgtcgc gttactggcg ttcaatcgaa tcctgctctc gcatcctgcg 60
 ctagtatcag tccattgtga tgtcatcatg gattgtttgg aggatgccga tgtctccata 120
 cgaatgcagg ccttgaggct tgcagccagg atggtcacaa gcgacacact ccagtccgtc 180
 gtcgatcggg tactcaagca gcttcgggat gctacgacgt ttgatcctgt tgagtcggga 240
 catccgcac cancagagaa cttgaacaat caaaaaggat ccagtatttt gcctgcgagc 300
 tatagaatcg acgtgataca tccgataact gacatatgct ccttcaacaa ctattcggac 360
 ttgtatgact tccaatggta tgtcgacctt ttagtagagt tgatgaagct ccgaccactg 420
 caaactaaac aattccgttt tccgcgagct actcgggtgc tggaagacga tctgtggagat 480
 gatataatgt cccggatctg tttggaaata cgcaatgtcg ccgtccgtgt taaaggagtc 540
 cgactgcagg ccacaagagc ggcagaactt ctgatttctg ttgataaccg acatgcattg 600
 ttccttgaac ctcacaccga tagccaggcc cttggatccc tcgcttgggt agtgggagc 660
 tattcaggct gtctttgtaa cctcgtcga acgctccagt cattgatcga catttcaaac 720
 atgtcacttc cagctaagggt attgtctctc tgcgttcagg cagttcctaa ggtactcata 780
 caagtggcca atgaccacaa ccaagattgg aacacagcga ccgtgtgcga gatattatta 840
 ctgttcgggc ccgttatcaa gttcctactg acccagccgg gatcgaaaga agtacgc 897

<210> 14354

<211> 1368

<212> DNA

<213> A.fumigatus

<400> 14354

ccaagttgga atcccggat caaggttcga catacagccc gcgaatatgg ctgtggtgtg 60
 gctgctgact ttgttttgca cacagaactc ctcaaagcgt atcgtatggc ccattgcacgt 120
 gtctgtcga tgaaccggt tgaagccgcg ctacgtgaaa acactcctct gacgtcgatt 180
 gccgatccga aagctctcac cgagtatttg aatcagatta cattgaaagg ggacatggtg 240
 attgaggagc tcaaacgagt cactacggaa agggacgact acaagaagaa gctggaggaa 300
 gcgcagaagt cgacaaaaga ggcttgtgat gcggtcgcg atctcaagaa ggacaagacg 360
 caaggcgcca aggaggagaa aaccgccagt actgaggata ccgcctcaaa gaaggaaatta 420
 ccagcaaaag aagaaagcga ggaattcttt tcgttcgata atgaactgcc ccgattggag 480
 tctgagctga aggagaaaca agaagaggtt gaaactctca agtcgcaggc cgagtcgctc 540
 aaacgtgatc ttgccgttgc tctgtagtcg acggagggca tgggtgcagaa tctcgaatcc 600
 gcaactcgcg agctcgtgga gttgagagat attagagaca aacaggattc ggaaatcaag 660
 aagctgaagg ataccaggca ggctgaggtt gacgacgtaa aagccaagct cgcggaatcc 720
 gagaatacca ttgccaaagg aggcgaggag gcggagaaac taaaggctga gttgaagcag 780
 aagaccgaag aaattgagaa gcttcaggac caagtcacgc aacagaagga caatgaccag 840
 caaaaagagt tgcaggaaaa gttggaagag gtcgccaagg agaaagatgc tagtgagaaa 900
 aagttgggtg tcctccaagg cctcgtggac aacctgcggt ctgagctgaa agacacggaa 960
 gtgggtggtg cggatcttaa ggctgacatg aaaggtaaag tcgaagagct tggtaagctg 1020
 cagaacgtgg ttgattatct aaacaacaac ctgaaagaca acgcccagtg gcagcaaacg 1080
 agagatcaag cggcagagtg acagtcaccc gactttgact cccttcgaaa gagcctggca 1140
 ccgttacaac aagaaccggg ggggtggcaac ctggctacag agccagagcc tccagcaaat 1200

ggcgcgaccg	gtggcgcggg	cgcgagtaaa	aagaagaaga	acaagaagaa	gaagggcgga	1260
aaaggcgag	aagatacggc	taaggtagcg	gtgctgctgt	ggtccaggac	aaggaatcgc	1320
acgcagcaga	gtccgaccaa	gcagcttcgg	acctggccga	cctcgagc		1368

<210> 14355
 <211> 525
 <212> DNA
 <213> A.fumigatus

<400> 14355	
agctttctcaa	tttcttcggt
cctgccttgg	caatggtatt
gcctgcctgg	tatccttcag
aactccacga	gctcgcgagt
cgagcaacgg	caagatcacg
tcttggtttct	ccttcagctc
tcctcgcttt	cttcttttgc
gttttctcct	ccttgggcgc
gcctcttttg	tcgactttctg
cttctgcttc	aactcagcct
ctcggattcc	gcgagcttgg
ttcgaatcct	gtttgtctct
agattctgca	ccatgccctc
tcgacctgcg	acttgagagt
cggggcagtt	cattatcgaa
ttctttgagg	cggtatcctc
tccttcttga	gatcggcgac
agcttcttct	tgtag

<210> 14356
 <211> 498
 <212> DNA
 <213> A.fumigatus

<400> 14356	
cctgttgggc	aaactgtaag
agaacggcca	tgaacctcat
gagccagaca	tcggctacga
aaggacgccc	acgaccgtgc
ggcgaatatc	tcggcgtctc
aagaagcctc	tgggacatct
cggtgcctgc	cgaatggcac
ccgtcctgcc	aagggccatt
gtgctctgtg	ttccctga
cctgcctctg	aataggatcc
gccgtcgccc	taaagcacia
gacacctgga	tacctttgcc
ccgccccaaa	agagttcctg
tcgaatccca	gaaagctcgt
attctcaact	acttgctcggc
agtcttcacc	agagtcaagc
atcgggttgc	taatctgctt

<210> 14357
 <211> 462
 <212> DNA
 <213> A.fumigatus

<400> 14357	
cagtacatgc	ttccccgacaa
gccgatatcc	tcaaggaggc
gatgtccagc	ccactggcaa
actcaccttg	ctgcggcaaa
tctcttgctg	agaaggctca
cctgccattt	tggcccttgc
ttccctccgc	atcccgcctg
ttccgcccc	ttcatttctc
ctccgttatg	tacattgggt
gctgggtgtc	acaccgagta
attatcactg	gtcacaaccg
attgaccact	tgaagcagcc
gttggtggat	accacctgac
gctgcgaaga	acaaggtgag
acgtttgact	caggtcttca
agaccagctt	ga

<210> 14358
 <211> 354
 <212> DNA
 <213> A.fumigatus

<400> 14358

cgtttgactc	agggtcttcat	gcttttctctt	tccgccccct	tcatttcctca	gttctttcaaa	60
gaccagcttg	acagcgctcct	gccctacacc	gactacactt	tctgcaacga	gacagaggct	120
cgcgcctacg	ccgagtccca	cgaatggaat	acggatgatg	ttggtgagat	tgcgaaaaag	180
ctcgctcagc	ttcccaagaa	gaacagtagc	cgccccagag	ttgctattgt	cacccaaggc	240
actctgcccc	caatcactgc	gaccgttaag	ccagacggcg	aggttgaggt	caaggagttc	300
cctgtgcacg	agattttctaa	gagtagcatc	aacgacacca	acggcgctgg	gtaa	354

<210> 14359

<211> 612

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (29)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14359

ttggaattga	ctacagctga	tccttccnc	cccggtgga	agaccgcgc	cgctgggatg	60
ctttaccgcg	ggggctcgcg	gttcggtctt	cgcacagtac	gtctgggtggc	cctgggtgat	120
gtggacgtac	ggcatcggat	gcttcatcat	cgctgcgcgc	ggcctttggg	tgatcccatc	180
cgactaccgc	cgctgccaaa	aggccgcgac	actccagttc	gactatatcg	ggtcagtcct	240
gggcgttgca	ggcttgctct	tgctcaatat	ctcatggaac	caagcaccaa	tcgatggctg	300
gtccacgcct	tatgtttatg	tcttattgat	tggtggattc	cttgttctgg	gtctctttgt	360
gctgcaggaa	cggcgcgcgc	cggggatccg	atcctggatg	tatccatctt	tagtcgatgg	420
gttgtagcaa	tcttggtgac	taccggctta	ggatggagca	gttttggcgt	ctggttctat	480
tacttgttcc	agtttatcca	gcaatttcgc	catgtgtctc	ctttggattc	agcagtgcat	540
ttcgcgccag	gggccatctc	agggaattct	gcctgccctt	gccacaccct	atctgatggc	600
ggtcactcact	ag					612

<210> 14360

<211> 1329

<212> DNA

<213> A.fumigatus

<400> 14360

tttgggtccg	cagaaccaat	taagattacc	ggaatgacga	gcaagcttgc	atactcatgt	60
cctaactcggg	catccaagtg	gccggatcaa	ggccgatctt	ggtcgagttg	ttcgtcggct	120
ctgggtaaat	acttcattga	acccactgt	aggaggtcag	aagtccctgt	tagaggatcc	180
tgcacccgtc	aagtaacgac	tcttcaacta	ccaactaacc	ccactacaac	aggattgcaa	240
gcagtatctc	tctccttgtc	cccactctttg	aaatgccttg	cgggccagca	atctcgtcca	300
tgcccccttg	tcgcgccagt	ggcgcagatc	tgccagaaaa	aactccagca	agccgcgcac	360
caagggttca	aaggcattga	attcttcttc	tacgaagact	tagagacgtt	tgccgcacag	420
tcgtctggcg	gtgccagtcg	ccttaacatc	ctcaaagggtg	ctctccgcac	gcgccatctt	480
tgcacctcgc	tccagctaga	gatcatcgcc	ctgcagccgt	tctgggttta	cgaagggtgc	540
ctggatgaag	ccgagcataa	ccgcctcatt	gatgataagt	tgcgcttctg	ttttgagatc	600
tgtcataatc	tgcacacaga	catgatcctt	atcccgacca	atcttctccc	tccagaccct	660
gagaccggcg	aaccccgga	taccggcaac	cggcgagtga	tcgtatccga	cctgcgccag	720
gctgcagatc	taggaactggc	ccagtccccg	ccgatccgtt	tctcttacga	ggctcttgcc	780
tggggaaacc	acgtcgatac	ttgggaacaa	agctgggaca	tcgttcgtcg	tgtagatcgt	840
cccaactttg	gtctttgcct	ggataccttc	aacattgccc	ccgggtgta	cgccgatccg	900
gccagtgcac	cggggatgac	ttataatggc	gcgaaagagc	tgccagaggc	cctcgcacgt	960
ctccgtcaga	ctgtcgaccc	gaaacgagtg	ttttgttccc	aggttgtcga	cggggaacgc	1020
ttgaaggcgc	cattgggtgat	gggtcatgaa	tggtatgtgg	cggagcagcc	aagtcgcacg	1080
agctgggtct	cggaatgcaa	gactgtttgc	cttcgaagaa	aggggatatc	ttccgggtgaa	1140

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ggacattgcc cgaactgtct ttgctctggg atacgagggt tgggtttcga cggaattggt 1200
ctcccgacac accttcgacc ccgaccccaa tactccttac ggccatgcac aacgtgggat 1260
cgcatcatgg aagacactgt gactgaaatg cagggagaga tggtttgtgc gaaggctgac 1320
agtgtataa 1329

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<210> 14361
<211> 387
<212> DNA
<213> A.fumigatus

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<400> 14361
agaccgcgc cgctgggatg ctttaccgcg ggggtcgtcg gttcgggtctt cgcacagtac 60
gtctgggtggc cctgggtgat gtggacgtac ggcacgggat gcttcatcat cgctgccgtc 120
ggccttttggg tgatcccatc cgactaccgc cgctgccaaa aggccgcgac actccagttc 180
gactatatcg ggctcagtcct gggcggttgc ggccttgcctt tgctcaatat ctcatggaac 240
caagcaccaa tcgatggctg gtccacgcct tatgtttatg tcttattgat tggaggattc 300
cttgttcttg gtctctttgt gctgcaggaa cggcgcgcgcg cggggatccg atcctggatg 360
tatccatctt tagtcgatgg gttgtag 387

```

```

<210> 14362
<211> 288
<212> DNA
<213> A.fumigatus

```

```

<400> 14362
gatggagcag ttttggcgct tggttctatt acttggtcca gtttatccag caatttcgcc 60
atgtgtctcc tttggattca gcagtgcagt tcgcgccagg ggccatctca gggaattctg 120
cctgcccttg ccacacccta tctgatggcg gtcatacta gcggctggct gatggcaatc 180
gcttgtgctg cgtttcttgg tggatgcata ctgcaaagta cggcaccagt agagcagtc 240
tactggatga atacgttctg gtcgtttgtt atcatggcct gggggtaa 288

```

```

<210> 14363
<211> 201
<212> DNA
<213> A.fumigatus

```

```

<400> 14363
gctgggtctc ggaatgcaag actgtttgcc ttcgaagaaa ggggatatct tccggtgaag 60
gacattgccc gaactgtctt tgctctggga tacgagggtt gggtttcgac ggaattgttc 120
tcccgacaaa ccttcgaccc cgaccccaat actccttacg gccatgcaca acgtgggatc 180
gcatcatgga agacactgtg a 201

```

```

<210> 14364
<211> 531
<212> DNA
<213> A.fumigatus

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<400> 14364
atacgttctg gtcgtttgtt atcatggcct gggggtaagg cccctatcgc gcccgtagcg 60
ctctatatcg acaaaactga cctaataatg cgtaggatgg atatctcctt ccctgcgtcc 120
actactatct tgagtgatgc agtgcccgtc aagcaccaag gagcctcggc atcactagtc 180
aacaccgtca tcaactactc catcgccatc ggtctaggca tcgcggggac ggtcgaggcg 240
gaagtaagtc atcagggcgt gaaccagtta agggggtaac gggctgccct gtggtcgtct 300
gtgggactgg ctgcacttgc atttggtatc gctttgggtg atgcgggtccg cacattccag 360
gagcaacgaa attccagaaa gagcagccag gaacgcgaac agagagcttg tatagaaggc 420
tgtattctag gtctgactct gactccagat agagaatggg aaagagtaga attgggtaga 480

```


ctcctgtccc atgtttccca aacaggcggt ttgcggaatc agtccgtttg a 531

<210> 14365

<211> 1014

<212> DNA

<213> A.fumigatus

<400> 14365

gctcatcgga	gagttgaatc	ctgcttttca	gtccgcgcga	gctacagagg	tatgcgagac	60
agacttccta	actccccact	agagcaattc	aggaggctga	ccaaaaacct	tttcaatgca	120
atgcagtcca	aattcaaacg	tctcaagcgt	ggtcacaaag	accatcggca	agcgtctcaa	180
ggcatcgacg	atattttcaa	ttcggatgaa	gacgaggagg	cggcaggcga	ctatggcaga	240
ccgagccatc	gaagacctat	gcacgatgag	atgaaggact	ttatcgagga	agacgtcttc	300
acggatgatg	agctagagcg	ggaacgagag	gatctggaga	ttgcccgtcc	ggcgaagagg	360
ggcgtcaccg	gtctcggggc	caccgacgca	gccggcctgg	acgagaatgc	cctcgaagat	420
atgcgcgcag	cgttcggcga	tggaaacgaa	tacctgttcg	cccttgaaat	ggaagaacaa	480
gaggaggagc	aagaggagga	ccaggagaag	catctggatc	taaaggatgt	tttcgagccg	540
tcgcaattgg	cagagaggat	gttgacagaa	gaggacaacc	agattcgctt	gttggacgag	600
cccgcgcgtc	atcagcttgc	ccgcaaaccg	tatcgcaacc	tcgttctgac	ggaagagcag	660
ttccgcgaag	aggcagcctg	gatcgcaaat	ctcatgcttc	tcaagaagcg	catcgagccc	720
gaattgagag	aaccgttcca	gcggtccgta	gccaaaagtgc	tagagtctct	cgtgaccgac	780
gactgggagg	ttcctttcat	tttcacgcat	cgcaaggact	atatgattca	cgcgaccaag	840
gttctctgtg	ctgggtgcgc	tgctgatggg	gacacgtctc	agtacaccat	caaggccgag	900
aagcttttga	acatgacgga	tctctgggac	atctttgacc	acgatctcaa	atttagagca	960
ttggttgaga	agcgcaatac	aatccagaag	acatacgaca	atctgcagag	ctta	1014

<210> 14366

<211> 204

<212> DNA

<213> A.fumigatus

<400> 14366

tcagggactg	attggagagt	tcactcttgac	aacgatgagc	gactaactga	agtggttgag	60
agaccgtttg	agttgatggg	ccaactattg	ggtactgagg	atgcacacaa	gcgccgagaa	120
tccgggaaac	tcaaggtac	agttcccgaa	gagggaagtcc	ttggccttcg	gtatttggat	180
tatggccttt	atcactattt	ttga				204

<210> 14367

<211> 1170

<212> DNA

<213> A.fumigatus

<400> 14367

ggaggaaatt	tcggggccaaa	tttgggggaac	cccaggggggt	tacccacagg	ccggttcaag	60
gtttccccaa	acatccgttg	ggattttacct	ttggatgata	cggctgtcat	tatcgacgcc	120
actcagttgc	tattactctt	cattgaccgg	aactctgctg	gattcggagc	cgatccctca	180
aagggtcatg	cgttcatcaa	agactttgtg	ccgatcttct	atggcatgga	tcgtgatact	240
ttccacatgt	acatgaacga	gatctcgagt	gatgctccat	ctgggggaaga	tggtgatgac	300
gagagcttgg	ccgctgaaga	cgcctcgacc	tggcgcaatc	ggagaggcgt	gaacgcaaag	360
aagatggatc	tccttcgcga	tgtcctcgag	cggcgcagtg	aaaaggccaa	taggtcggac	420
aaggaccgca	atactcccg	tagccgtgat	ggcaccgccg	atgctgttct	ggtcccatcg	480
acgcctgtcc	ctgagcctgc	tgaggcggtt	gacgttgacg	agctgaagtg	gatggaacat	540
cctggggcaag	ggaacttcaa	tttgacgcgg	gaatacgcgt	tgaatgaatc	ctacgtgaag	600
aaagtccatc	atttgtatgc	caatctgaac	atctactgct	tcttcgcgac	tttcgagatt	660
ctttattcgc	gactcttgcg	gatcaagatg	cacgagaagg	acgctcacga	gcatgtgcgc	720
cgggcgcgtga	tcccaaaacc	ggcccgtgac	ctcgggtctca	tcgacaagct	tccaaccgac	780

ttcttctacg	actgcgaccc	gaaggccaat	ctataccaac	agattgtccg	catgtgcgag	840
gaggtcatca	agggcgacat	ggatgcctcg	cacttgagg	agacactccg	ccgttactac	900
ttgcgtagcg	ggtaccagct	atacaatctg	gaaaagatgt	ttgcgggaat	cgccaagttt	960
gctggctcca	tcttcaatgg	cgactccaag	gategcagtg	ccgacatcat	caatctcttc	1020
tttaaggagc	gggaccggga	ggagacgaca	cataaccagg	agatccagta	ccggaagcag	1080
gttgagaggc	tagttaagga	cggcgatatc	tatcgtatta	cttatgtaag	tgctccctct	1140
gttggtccat	cattgcaagt	ccaaagctga				1170

<210> 14368

<211> 630

<212> DNA

<213> A.fumigatus

<400> 14368

aacctcaaaa	ctaagaagac	caccgtgcaa	ctgctcacc	cagaggacgc	aaccttggag	60
aacgaagagc	taagccagga	agcgcgctgg	tctgtactacg	tctctgcta	cacaatgcgt	120
gacctaagg	aaggtgttcc	attttcgag	atgcgcagtc	ccttctgaa	gcggaacctg	180
ccgccaagc	ttgagcaaga	agaggagtac	aatcgctact	atcggcctct	ggtccaccaa	240
gatggtctca	tcatccggat	ctgtgccaac	agctatcata	ttctgtacga	acccgggagc	300
tgcgattggg	ggtggcgccc	caaggctctc	tcagaggagt	caccggaaga	catcgccaag	360
gaggagccg	ctgtcaagga	aagacgacgc	gatcggttca	tggaaaagtt	tgtaacaac	420
cctagctggg	cgcaggggct	cagcaaggac	caagtgcagc	agtctaacca	acgattccgc	480
tcttgatca	ggggccctga	atctgaaaag	gagaaggaga	aggcctcggt	gggcgcaacg	540
gaagagccg	gcttcgagaa	gaaggctgac	aatgaagatg	ccgagatgcc	tgacgcggac	600
cccacagcgc	ccgagtccaa	ggaccaatga				630

<210> 14369

<211> 1368

<212> DNA

<213> A.fumigatus

<400> 14369

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agaatagcag	tctcttgga	gtcggacttg	ttgcaacgga	ccttacagct	cattgtcagt	120
aaacttgcg	gtgccccggg	gtttgaaaac	tatgaagaga	tcatactctc	ttccctactg	180
aaggcactaa	tttggagccc	atatcagtg	ccatcaatac	ccttgctgc	ttctcagacc	240
aagaatcacg	ataccatcgt	tagatggaac	cctgggtattt	cctttgctca	ctgggctcgt	300
agcattgggc	ttttcttgac	aaaggcggct	ccccaaagtc	ctgttattgg	gccgctgaga	360
aacattcttc	acgtcatacc	ttcattggca	gtccggattt	tgccatata	tctgcatgat	420
gttctgctca	cagagcctga	cggcgtcgcc	aatgttagga	aaaccatttc	tgatgttttc	480
cagcaaggtc	tacacgaagc	tgatgatcat	tccatccctc	atgtccgtct	catcatcaac	540
tgtcttctgt	atcttcggaa	tcaaccgcgt	cctcaagaag	caacgatagt	agagcgtgat	600
gagtggcttg	aaattgattt	tgcagtagca	tctagggctg	caaacacatg	cggcttacct	660
aagacagcac	tgctgtttct	ggagatacag	gcctgcgcag	ccgtgtccgg	atctcgccgc	720
tctctctctg	tgaagtatga	acctcctcct	gatctccttc	atgacatctt	tagaaaacgtg	780
gacgatccgg	atctttttta	cggcgtccag	caaagctcgt	cactagagtc	cgtgatggag	840
accttggaac	atgagagctc	cgggttcaaa	aatctccttt	ttcagagtgc	ccagtatgat	900
tgcgagattc	agatgtcggg	agacgctgac	gcgcattggtc	tcttaaaagc	actcaactca	960
agtaacctgc	agggaattgc	aaactctttg	acatcgaccc	tcagaggctc	aaaaagctct	1020
gtctcatttg	atagcatgat	gcaagctgcg	atagatctgc	gacaatggga	tttaccagtt	1080
tcgcctatga	atcactctcc	gtccgctgca	ctcttttagaa	cctttcaaag	cctgaacact	1140
tcaacgtctc	tggttgatgt	ttcgaattcc	gtcaacgaaa	gcctcttggc	catattgggc	1200
tcgctaggaa	gcaccagtcg	ctcagctatg	tcctttcggg	cagcgatgag	agacctggga	1260
attgtgactg	agataagcga	tgtcttaagt	gcgacgtctc	tcgaagagtt	aagtgaagaa	1320
tggcggaaga	tcgcagaacg	aaactcttgg	ttgaaggcaa	caaggtaa		1368

<210> 14370
 <211> 1827
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1510), (1538)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14370
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 cgttgcgaaa cctctcaggt tctgtgcatt cacatgctgg atagtttcat taaatcatgg 180
 acgacaggag atggagatca tctcagtgat tgggcctcag atatctacaa ttgggttacc 240
 gatgtcttat tggtaaaggg cagggcttct tctcagatc ccatcgctt ttccaggctt 300
 ctagaggaaa tattcagtac caaccctgcg tacacaagcg gagaatccaa cccctctccc 360
 aggacaactc ttttcatgat ctttcaggaa agtgatatcc tgactaagta caacgtgggc 420
 aatctcgttc ccaaattggt taggcacttc ccactgaaag atcacgatgc gatcttcgat 480
 gatatttttg aaagccttcc cgcgcatcct gactggactg agggatttgc gctccgttta 540
 ttcataattg caaggttggc ttcacagtgg cacactctac ttcggaggag catctatcat 600
 atgttcgaga cgcgcggcca gcttcgcac tctcgggtgg atgctgaaaa atgcatccga 660
 cacgttgcaa gtgtccttgg actcgaagac gcacgacaat tattccgcct cttctctccc 720
 cagattcttt acacctggac tgaatatgaa tcagttatga caatgccctt cagtatatat 780
 gggtattcca ccattgagga tatgctgagc gatgtccaag acgaaattgt aggtcaaata 840
 atgatgcggg ccaatgagca cgaggcaagt gagctctcca cccgtctgaa aatacctttc 900
 atagagctcc tggcgacatc tttctataag gcagaggcgt atagtattgc acgagacatc 960
 agcactcctc ctgggcagag tttcaaccgc aaaggggttg aaaatcgatt gaagaagatc 1020
 ctgggcgctg accgtttcgt gactctggtt gagaagcaat ttccgcaagt aattgcaacg 1080
 ttctttggaa ccttagatca gtgtgagcag atcgagagag cgttctccaa gagggccaat 1140
 tttcaagaag ctttcagtat cttgaaatca attactgcta agggcgctc aaaggaaata 1200
 cttcccccca atcagcaacc ttccttcaga gcgcgctacc ttctagatga gcttgaattc 1260
 ctctgtaaac gaagcggtta tgagctcgaa acgatatgga cacctacatt ggcatcttat 1320
 gtctgccgga cacttctgga atcaattcac cccgcgcttg gctctcttca tgctctgctt 1380
 gtcattcgca agatcaggat tttgatctgt attaccggcc ctgttatgct gagagattat 1440
 cccttcgaaa tgctcctaca cgctcttcgg ccgttcttca cagatatata ttgctccgag 1500
 gatgcactgn gaatgttctg gtatctcttg gacgctgnga ggtcttactt gactgaaaat 1560
 cctagtttca cagctggcat cgcagtgctc accctgctct cttttcgaaa gttcttggcc 1620
 tctacatcag ccactatgca ggaaagcgaa tctgttgagc ttctgacaat cgttcagacc 1680
 tttcttcaat gggtcgaaga cttacttgaa atcttacgag tcacctcatc tgagcccaga 1740
 ggcgcgatgc ttctttcagc gtctgatgga gtcttcgcgc aggatctcta ctccagacaa 1800
 agagttggat ggtacggagg agtgtaa 1827

<210> 14371
 <211> 387
 <212> DNA
 <213> A.fumigatus

<400> 14371
 actgatgatc cgtctagtgc tcaaatacac ccgccatcag tgggatatcc ccgctgctg 60
 gtttaccgcc agatacatga aggcattggc atccctgttg cttgcacttc gactgcttac 120
 catgcgacta tccagatact ctacgcacaa ggcacctcc ttggggccgt catctttttt 180
 gcgaaatcct ccatttttct actctgtcga cagatcttca ccatccagaa acagatgaaa 240
 tacgccatcc gggtcgggtc gctcttcact tttcttcttt actggccagg cgtcgggtctg 300
 gaatcgta ctgcgcgacc gcatgtcggc gagacatcgg aggatcgtct tcacctaaag 360
 gagcgcgccg atccgcggag ggtccca 387

<210> 14372
 <211> 345
 <212> DNA
 <213> A.fumigatus

<400> 14372
 cgagcgcttg taggctttgt gcttatcgcg ctgggtgctgt ccgcaacata caatgccttg 60
 gttctggata gtcagtttct ggtctatgag atttgctgct tgattagact gatgatccgt 120
 ctagtgtca aatacaccgg ccatcagtgg gatatccccg cctgctgggt taccgccaga 180
 tacatgaagg catggcaatc cctgttgctt gcacttcgac tgcttaccat gogactatcc 240
 agatactcta cgcacaaggc accctccttg ggcccgcat cttttttgcg aaatcctcca 300
 ttttctact ctgtcgacag atcttcacca tccagaaaca gatga 345

<210> 14373
 <211> 792
 <212> DNA
 <213> A.fumigatus

<400> 14373
 tcgctaattt ccggccgttt catcgtcgt tctcctggac tggaaactcgt tgttctttca 60
 actggcctta ttcagacatt atttcctacg tctgtcgtac gtcactttca aactcgactg 120
 ttcgattat ccgtgaatat gtccgttaac ccccgcaagc ctgggacttc aggcagtggg 180
 agcaaaacca ccaccacgga caataacaca gtcaacggaa caccgtcgcg agttcacact 240
 cgatccccca gtgcttctac gaacggtcta tccagatctc cttccctcgg tggctcagct 300
 ccggtctctg cgcgcgctgc tgcccgggaag cctggctcgg ccaacctcag tatgtccaat 360
 gtaccgaagg tggcgccgga ttctgcggag gaagaggccc gggccagaa tgccgctctg 420
 attgaagagt tgaaggagca gttgcagaaa gctgagagcg catcggagca gtatcgcaag 480
 cagcttgagg tcttgcaaat ggccttgac gaagccatca gcgagcagg caagctggag 540
 gaccaggctc atgagaagga cagcaagatt gaagctctca acagtgaaat cagagaccac 600
 attcgccaaa tccgagacct agaacaggca cacgaatcgg agcggaatgc catgctccag 660
 gagaaggagc agtacttgag ccgggaggaa gaaatgcagg cgactatcca gcgcttgaaa 720
 gatacgctgg ctcagaaaga gatacgaatg aatgctgata acgagaagaa tgtttccgcg 780
 tcttgtgagt aa 792

<210> 14374
 <211> 855
 <212> DNA
 <213> A.fumigatus

<400> 14374
 tcccaccggc cccaatagt tgtcactgac gcagtcatta cagccagttt cctgaatcgg 60
 tctcaccag atgtggaagg gcaatttgcg ccttcacccc agatcgagcg gagcccatcg 120
 cggaacaatt cgaagctgct ttgacagaag gacaaactga tcgagtctct ccgtctcgaa 180
 ttggctgaat cccaaatcaa gctcgtggag atggaaaaca agggcggtgg ccggcaacgc 240
 gaattggaga aggagctttt ggaagcccgg atggctaacg ctgctctgat ggaggacaac 300
 gagagtacc agctactctt gagcgaacgg acattgaatg gggacttcac caaaggatgat 360
 ttcatgctg aagccacccc cgattatgat gaggggcagg aaccagcaa tggattgggc 420
 tctctggctg acgagctcga gtcagtggat gccaaagcgg aaaccgacaa taccgtaaa 480
 ctgaaacgg agatcaaggc gctcaaggac cagaacaagg ccctgaccct gtacattgag 540
 cgcattatca gtgctctcct gcaacatgac ggcttcgaaa ccatcttgga caaaaacgaa 600
 aacgagcctt caactactgc aaagcagggt tcttcagtaa ctgaaaagga cctgcccccg 660
 acacctccag agaaggatga ctcatcttcc cagacttttc tgcaaagagc caagtcatgc 720
 gtcgctggcc aaccacaacc ttctcaacat agatctcgcc cgtctacttt catgccaccc 780
 ccaacaagt tcccgacagc tcacgaaaac cccgagacag cgccagcat ccctatcaat 840
 cgagcacagc gtggc 855

<210> 14375
 <211> 372
 <212> DNA
 <213> A.fumigatus

<400> 14375
 agtctggaaa ggggtgtgtga catttcagtc aaattgacca tggagacca atcactgatt 60
 gttttcacc ctacagtcac ccttggtac aagtccacca tcaagactct gcgttcggc 120
 aaggccaagc tggctctcat tgctgccaac gctcctctc tccgcaagag tgagctcgag 180
 tactacgcca tgctggccaa gactcccgtc caccacttct ctggcaacaa cgtaagtcac 240
 aagtgtttct gcattggttt ttactgctat gccccgacgc tggttcttct ccgatggagg 300
 gaaggcgacg cgggagcagc cctgagaaga agccgtatat ctgggctttg gagggtaaat 360
 gacaatggct ga 372

<210> 14376
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 14376
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 cgcaggcgaa gaattcccc ttcccttttg aactccccga caccaccctt ttcgacaacc 120
 tcaccgttcg caggaagtgc agtcagccca ttccagcag tcacaatggc ccgtcgtccc 180
 gcgagatgct accgctactg caagaacaag gtgcgtgcga tcgcttga 228

<210> 14377
 <211> 1089
 <212> DNA
 <213> A.fumigatus

<400> 14377
 acttaccat tcgtcatgaa gtgggagtcg ttccctttga cggccatcac cgctggetcg 60
 gccatggctg gagcacacca tgcaaacgag catgctcatc ttctgcaccg tctggttcat 120
 aatgcagaat tgaaggctag agagggtgac gatcaggcca atccagcggg cagcaccaag 180
 actatcgtca acctcgaggt tgctaccatg tacaccacta tcacgcgacg ccctcacggc 240
 cacaagccaa ctaccaccgt ggcagccgta gagacgtcca ctactggcag ccagcctctc 300
 gcaagcgtca gcctcgacgt cgatgcgaac ctctggatg tccgttcagc caccaccagc 360
 acagcgacta cgttgagcac tagcaccagc agcgccaccg tgtctgcggc gaccagcagc 420
 tccggcaaca gcgccagctg gacctccacc ccttccaatg gcgtgtactc gacctctggt 480
 tttggccaac gcaccaactc gtccgggtca gggatcgaat acgtcggcaa cgctcggcagc 540
 ccctggggca gcaacatcat cgaggtgacc gcctccacag cctcacagta caagtacgtt 600
 gtgaaattca caggcagcaa caccgacgac tggttcgtct cgttctggaa caagggtggc 660
 cccgacggca agctggacgg gtgtgacggc cactcagcgc tcaacttcac cctggcacct 720
 ggccagacca ggtacgttgc gtttgatgag aactcacagg gcggatggg tgcgcggcg 780
 ggcgattcgc tgccgacgga tgagtacggc gggatgctgt gtacctggg cgagtttgac 840
 tttgggaata ccagtaacga tcagtggctg ggggtggatg tgtctgccat ccaggcgcag 900
 aacgcgggtc tgacgggtgca ggggatgagg atctgtgac ataacgggga tgattgctcg 960
 tatatcacca ctgatgctgc caaagtgggt aatgcgtaca cggcggcgga ggcgtctgtt 1020
 gatggatatg gggggagtgt gagtgccggg gcggtgaggt tgggtggtga ggtggattac 1080
 agtggttga 1089

<210> 14378
 <211> 225
 <212> DNA
 <213> A.fumigatus



<400> 14378
 tcgagtagat atggcactgg aactgagtgt gacggtggct gcacggggcac tgttgagag 60
 caaaagtacc tcaatacgaa gatcactctg gcctcggtcg atactacctt tggcaacact 120
 attgcttcgg ctgccggtgc gacgtactct ggcttgagct cgagcgaggg aggaaagggtg 180
 tggacaatcg agagcatcac cattcccgt atgtcgaggt cgtag 225

<210> 14379
 <211> 462
 <212> DNA
 <213> A.fumigatus

<400> 14379
 cagctgactc tcctcgtcta tatcccaatg aaactcgttc tcggcctcct tctccctacc 60
 ctgggcgtat ctgcctccgt catcaaacgg gaagacacct ggggcggcag cgtctctctc 120
 ggtcctacca aatccaccat cgtcaacgcc gtcaccaccc tcatccccgg tgcggcgctt 180
 gcaactcaaa gcggcgagct ctctctctgg ccgaggatga gcaacggcac cggcgatctt 240
 gtccaaacca cgctggaaag ctggcccagc aatgcctggt gcggtgcaac aacaggccag 300
 tgggtgtgtaa gggctagtct gttcggcagc tttggacagt tggatgggga cgccagccca 360
 gtgagcggga cggatcaggt tcgcatcgag tatactttgt tggatgatca ggagacctgg 420
 gtgcagtatg tatcacacia tgaaggcaag gatagtggct aa 462

<210> 14380
 <211> 279
 <212> DNA
 <213> A.fumigatus

<400> 14380
 cgccactag cgctccgctt tcgctgcttt aaatacttcc aaactgcccg cttcccgcaa 60
 cttttttctt tttccttctt ctcataca accgccgata acatatatca acagcttctg 120
 tctcttgtea tgatgaagct gttttcgcgt cgcgcaaga ctgaccctac ccgacgctgg 180
 gcacctagct ttgaaaggct gttccgatcc tttgcgataa tctgggaatc agctgtggtt 240
 acaattgacc tcgtacaatt tgctctttta gagacctaa 279

<210> 14381
 <211> 615
 <212> DNA
 <213> A.fumigatus

<400> 14381
 gcccagttc acgagcttgg atatactgaa tgtgcgaaat cgtacgtttt cagaggcagc 60
 aaggagtatg cggcgaagca ggtccaggag atgctcggac tcctcgccgc aggacctcgc 120
 cccaacatgc cgcagcagcc aactcgcccg cctgttggtc ccgctgcgcg cttcctgcta 180
 cccgttcagc aagccgagtt ccagatcacc aatgtccttg aacagctgca gcgtgatcct 240
 tggcccgttg ccaatgacaa gcgacccctc agatgcactg gtgtggctct gagtgttgct 300
 gttggcctgc tcgagacatc cttccagaac gctgggtggtc gcatcatggt tttcaccagc 360
 ggtcccgtca ctgaaggccc cggtcacgtc gttggacctg agctgaagga gccaatgcgt 420
 tcccaccacg atategaccg ggataatatt aagtactata agaaggctgt caaggtaggc 480
 gtcatttcgt cgtctcatac gggttgttcc catgctgac aatttagttc tacgacgcc 540
 tggccaagcg cgccgctaac aacggacatg ttgttgacat ttttgccggc tgccttgacc 600
 aagtcggtct tctaa 615

<210> 14382
 <211> 555
 <212> DNA
 <213> A.fumigatus

<400> 14382
aaccgcggtta aaaaaggggc gaggagccgc gttggaacaa ttcaaaaatt ttttaaggcga 60
ggtcagcccg gggcaggggc atttgaagaa ctttccttca atgcatectc ttcctacggg 120
gcattagatc agcgttttaa gaatgaacgc cagaaagatc attattccca cttcatcctt 180
cgccttgctg tttcggcaac cgaggacctc cgccgacgct tcgtgcgggc ggagacaatg 240
ctgttcagat ttcggtttca gcaagacgac tcacgagaga aacgtgcctt tattgagtcc 300
ttaaattctgg attgggaacc tgtgagtgat gaggagagac gcgagggttg tgagaaattg 360
gtgagcgcaa caccgggtct gcggcgtgtt gatgaggaga cttggtataa agtggactgg 420
gagcgagttc ccgagcttgt ggaaaggaga gctgtgctcc tgtccaaggg gaaagcgat 480
gtgcctggca gagaacaatt gagtatgatc atagctgaat tcacggcacg attggagcgc 540
gcctcagagg tatga 555

<210> 14383

<211> 849

<212> DNA

<213> A.fumigatus

<400> 14383
ctgaattcac ggcacgattg gagcgcgcc tgcaggtatg aatcttttct aactgtggg 60
tgttacgggt tagctgacca ctgccagctc acgagccgc ctctgccacg attggatgag 120
gatgatcgtc ttacgccaat cctgaatcac ctgtcgaaga acttcggtag cgcagaatca 180
gtatactctg aaggcgaagg gtttgttgaa ggagcaccaa ttactgccag taacatcgat 240
cgcctttcac agcacttccc tctctgcatg cggagcctac acatgacgtt gcgcaagaac 300
aaccacttga agcacttcgg tcgacttcaa tatacgtctt tcctgaaagg aattggcctt 360
tctcttgaag agtgtatcat tttctggcga cagtctttca aaggcttcac ggatgacgag 420
tttaattctc ggtacaaata caatatccgc cacgcttacg gtgacgtcgg cggtgacgtg 480
aaccgaagag gtcggggata cctcctttac tcttgccaaa agatcctcaa cgactccaac 540
cccggagttg gccagactca tggatgcccc taccgtcact tctccgtcga taatctcatc 600
ggactacttc agtccacagg tgttcatgac aaggacgttc tacgaggcgt gcgagaggat 660
gttgaaaaga cacgctatca tattgcctgc aacagggtct ttgaatgggc gcacaaagca 720
gatatcaagc gagtcaaaga agatggtaact tggggtcaga cagatttgga caccatagtc 780
catccgaaca cctacttcaa gcgcagctat ctctgaaac aaatggggaa gcctcctaag 840
gacgcatga 849

<210> 14384

<211> 231

<212> DNA

<213> A.fumigatus

<400> 14384
cactcgcattg gtaggtttac tgggagtgct tcgcgtctat gcccctccat actcattcac 60
gttcgcatac aggaagcgtc ccgactcgtt gtccctattg ccgctgttta cactccccctg 120
aaggagaagc ccgattcgcc gttactacaa tatgagccgg taacttgcaa agcaccctgt 180
cgggctgtcc tgaacccta tgcgtatgac ctacgccct gtcggctctg a 231

<210> 14385

<211> 345

<212> DNA

<213> A.fumigatus

<400> 14385
ctgacgaagg acagcaacgt cgatgttcgg gcccggatct ggatttgccc tttctgcctc 60
atgcgcaate ccttcccccc tactataag gacatcactg agaatgcgat acccccggaa 120
ctgcatectc agagcacgac gatcgaatac caattggcgc gcccgcctcc cgctccccct 180
atctttgtct acgtcgtcga tacttgtcag gaggaagaca gtctgaaggc tttgaaggat 240

4503

actctgattc	tgagcttgtc	tttgtaccg	ccgaatgctc	tggttgatt	gattacttat	300
ggcacaatgg	tacgaactga	attacatttc	tttggtttcg	gatga		345

<210> 14386
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 14386						
ttctacgacg	ccctggccaa	gcgcgccgct	aacaacggac	atgttggtga	cattttttgcc	60
ggctgccttg	accaagtcgg	tcttctaaaa	atgaaaaaac	tggtccaaact	cactggaggt	120
catatgctcc	ttacagatag	cttcacatcg	tcccagttca	agccatcctt	tggtcgggtt	180
ttcgataaag	acccacgaa	aacctccgga	tggttttcac	ccccccccct	gaaatcctga	240

<210> 14387
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 14387						
tgctgccctt	gcggctactc	gaatcgacc	tccggcctta	catcgatcac	ttggctgggg	60
tggtatcccc	tggtggaccg	cgccatcctc	gtcggccatt	acatgcagac	atctaccgat	120
tcagggaccc	tgctgcccat	taccacaata	ccatgccgtg	gagcagccgc	gatcgagct	180
tcatga						186

<210> 14388
 <211> 645
 <212> DNA
 <213> A.fumigatus

<400> 14388						
gacaccatgg	gcgctctttt	gaattatttc	ctggggactg	cgacggccgt	attggcggtt	60
gtttggttcc	tacgaaggac	aaagtctcca	ccccaaagcg	gaccgcagct	agaagttcta	120
ccaaattcgg	ctctggtaag	caagctcgca	agggcgctgc	cacatattgt	gcttttgcac	180
cgtgatggag	acgcctttcg	cacatcaata	aacacctact	gggtccaaca	ggagcgcgag	240
gtcgtgcaag	cctgcacgt	ccagccacgt	gatgctgatg	agttggctac	ggccatcgac	300
atcctgaaa	gggaatatga	cgagcgaagg	acgctgccac	cgaaagaatc	tgatagtgtt	360
ttgtttgtcg	tccggggcgg	cggccaatct	cctgtacctg	gcggtgcaag	cgccaaagga	420
ggcgtgttga	tcgacctcgc	tctgtttcgg	gaagtgacca	tctcggacga	tagagaaagt	480
gttaccctgg	gagcaggagt	tccgtgggct	gaagcatcgc	ggatcctgga	tgaaaagggg	540
ctcggcggtg	taggaggcag	aagctctgat	gtcgggtgtg	cgggggtatac	attagggggg	600
gagcatcact	gttctgtctg	gacatgttct	caactaactc	tatag		645

<210> 14389
 <211> 441
 <212> DNA
 <213> A.fumigatus

<400> 14389						
cctacgaagt	cgttctcgcc	tcagggttaag	attgtgacgg	ccacggcctt	gtcgcacccc	60
gacctttggc	gcgcccccaa	aggcggctcg	aacaatttcg	gcacgtctcc	ccgctttacc	120
gtgcgtgct	tcccgctccac	gcaaactctg	agtgggttca	tgtagcctcc	taattcgcag	180
tccaccaagg	cgctcatggc	cttacatgag	agtgcacaa	acgcgattc	cagaatatgc	240
ggagcggctg	tcgatacgca	cgccgcggcg	ccgacgcct	gtttcaccta	catacagggg	300
ttaggcatgc	acgcagtcac	ggtccatctg	ggctacacaa	agccaccgga	agagcccaag	360
aaatggccgg	tttactggaa	taaaatttcg	ggttcgcaac	tatctggcga	ttctggagca	420

ccttcaaagt ccagacaata a

441

<210> 14390

<211> 216

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (199)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14390

atttttcccc	ataataaaaa	atgttgccag	aatgccatgg	tcccatctgg	gccattgatg	60
acgtttcccg	ttgctttcag	cgcaagtatg	tctgaagccg	ctcacctgtt	cctgcaattt	120
gccaagaatt	attttggctt	aacgcatttt	gagttatttc	agatatctgc	aactcatatt	180
tccattaaca	gcatgcggnc	tttccttaat	ggaaac			216

<210> 14391

<211> 264

<212> DNA

<213> A.fumigatus

<400> 14391

gtggcatcta	gtctgacaag	aacctggcag	ctcaatgacg	aagatatctt	caactggaat	60
gtcggcctca	tcgtactgaa	cccagactct	ctgtactacg	gcggttactt	caaggcgctc	120
atgaaattct	ccaagaacta	cccatactcc	ccacctgggtg	agccttcccc	cctcttcttt	180
ttccttgtgt	ccatcttgga	cggcactgac	ctttacaatt	cctcatgtag	agtttcgggt	240
tctccgccct	ctataccacc	ctaa				264

<210> 14392

<211> 483

<212> DNA

<213> A.fumigatus

<400> 14392

aattctccaa	gaactaccba	tactccccac	ctgggtgagcc	ttcccccttc	ttctttttcc	60
ttgtgtccat	cttggacggc	actgaccttt	acaattcctc	atgtagagtt	tcggtttctc	120
cgccctctat	accaccctaa	catctatccg	gacggcaaac	tctgtatatc	tatcctgcac	180
gcgcccgttg	aggatgagat	gtcaggcgag	ctggcttcgg	aacgctggtc	gcccgcctcaa	240
cgtgtcgagt	ctgtccttat	ctcaattttg	tcactcctag	atgatgccga	agtgtcttcg	300
cccgcaaacg	ttgatgccgg	cgtcatgcta	cgaaaggact	tcgaatctta	caaggcgctg	360
gtgaggaagg	atgttgagca	atcaaagatg	gacattcctg	aagggttcgt	catgccact	420
catgagtcct	cgatgaaaag	accaacagag	aagcccagacg	atgccgactt	ctgggccgac	480
tag						483

<210> 14393

<211> 1425

<212> DNA

<213> A.fumigatus

<400> 14393

gacgctttca	acgctttcaa	cgttgtcgaa	tgccctgggtta	ctttggccaa	aacctacaat	60
cgcacagtta	ttttcaccat	tcaccaaccg	agatcgaaaca	tcgtggcgct	cttcgatcgt	120
cttattctcc	tagctcatgg	aaagaccgta	tattcggggcc	cattctccac	gtgtcagcag	180
tatttcgacg	attcaggcta	ctcctgccct	ccgggggttca	atattgcgga	ctaccttggtg	240

gatctcacca	tgcatgctag	cgttaccg	tcacatgaaa	atggacatga	gaggcccttc	300
ttggacatgc	agccccgcg	gactgcatcg	agtagtttga	gagcgggtgaa	gtcgggttgcg	360
agcgcctcca	acgcgagcat	cgaggacagc	gtcagagcca	gtcgacgtcc	caagagtaaa	420
cgacggatct	ctctcaagca	gcgacaggat	aaacagctat	actcgcgtaa	aaaggaccac	480
cagacgccgc	caacaccgaa	gaccgatgaa	gaagacggcg	gtgaaatata	tgacagcact	540
cagcagtggc	ttcgctcttc	ccgccaacaa	ggccatgtac	caccccaggt	tctggatgac	600
cctgatcact	tgccaccgcg	tgcccctggc	ccaaccgata	ttgacatcct	gatcgccaac	660
tacgcctcct	ccgatgttgc	tcgctcgggt	catgatgaga	tcgttgccgc	cgtccagaaa	720
gctcacgtcg	cgaacggctc	taccaatgcg	gagatcatgt	caggagctgc	taccgggtcat	780
gcaaagagtt	atccaagagt	tagccttttg	cgccagtttg	tgatcctctc	tcagcggaca	840
tggcgcaact	tgtatcgga	tccgatgctg	atgcttacac	attacgcgat	ctcaattctc	900
ctggcagtg	tatgtggata	cctcttctat	gggctgacgg	acgacatcaa	gggcttccag	960
aaccgcttgg	gtctgttctt	cttcatcttg	gctctgttcg	gattcagcac	gcttaccagt	1020
ctgactgtct	tctccaccga	aaggcttctg	ttcgtcagag	agcgggcca	tggtactac	1080
catccaatca	cctactttgc	tgccaagggt	gtcttcgacg	tcgtgcccct	aagattgata	1140
cctccgatca	tcattgggaat	cattgtgtac	cctatgaccg	gactgattcc	tgcttgggga	1200
gaattcttcc	gcttcattct	ggtgcttctg	ctcttcaatt	tggtgcccgc	taacatctgc	1260
ttgttcatcg	gtattgtctt	ccgcgacgga	ggcgtggcca	acttgatcgg	cagtctcgtc	1320
atgctcttca	gtttgttgtt	tgccgggtctc	ttgcttaacc	atgatgcgat	tccaaagtcc	1380
gcattgtggc	ttcagactgt	gagttttcag	cctatatccc	cctga		1425

<210> 14394

<211> 222

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (133)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14394

gcttcaagca	gcggtcatc	ctcatcttca	tcttctccat	caccctctcc	tgaaagcagt	60
gcaatcagca	acatgtccgg	tgaagcgtgg	ctctacctgt	tggcgggtgct	catcaacgcc	120
gtcaacctgt	tcntacaggt	cttctttact	atcatgtaca	gcgatttggga	atggtcagtc	180
tccgtacttg	cgatcttgag	tcaattacga	cacccaaact	aa		222

<210> 14395

<211> 237

<212> DNA

<213> A.fumigatus

<400> 14395

ctgtccatct	tccactacgg	tttcgaggcc	ttgattgtga	atgaagtgc	cttcttgacg	60
ttgattgacc	acaaatatgg	actagacatc	gaagttcctg	gagcctccat	attaagcgcc	120
tttgggtttg	ataccctggc	gttctggccg	gatgtcatcg	gactggcgat	catctccgga	180
gcattcatcg	tgattgccta	tgccggcgatg	catttcttgc	tcgtagagaa	gcggtag	237

<210> 14396

<211> 228

<212> DNA

<213> A.fumigatus

<400> 14396

gtcaattacg	acacccaaac	taatctgggtg	acttgctgca	gtgactacat	caacccccatt	60
gacctctgca	accgtcttaa	cgcttacatc	atccccgaag	ccgctgttca	tgcttctctc	120

actatcttat tcttgattaa cggctactgg ctgcgctca ttctcaacct gcctctgttg 180
gcattcaatg ctaagaagta cgtttcgtcc ggaataggag ttccatag 228

<210> 14397

<211> 663

<212> DNA

<213> A.fumigatus

<400> 14397

actccttgtc tctgttttcc ggggtgcctc cgtcacaggt catttcacat ggacctgatg 60
agctcacgat ttaaattcctt cggcttcaaa cgcaataaga acaacagtag cgtctccgtc 120
tccgctaccc aagtcgccag tcttagcccg tccacccaca ctctcgctgc cccgccttca 180
accgccacct cccccagctc tccgccttct ggccatagtt cctcatcgac cagtctcccc 240
atgaacaatc agaatacctt gggtcgccct ccgagttata cttacaacac cgcggggccgg 300
ccaaccagcc ccatgccgcc cggccaacag ttggctcatc accaccccc attaaacacc 360
aacgtgcagt acggccatca gcctgtccag cccgtgggcg ctccgcctgg gtatccgttg 420
cagcaacctg ttccacatgg aatccctcct tcgttgccgc agcctcagta taacgtacgg 480
aatcccgccg tcgaagtcga ggggtgctgg cggagcaagg cacagctgat tgttggtatt 540
gactttggta caacattctc cgggtgctcg ttcgcctttg cgaccaacaa tgaggctcgc 600
gaagatatca tcacagaatg gcctggggca ggaacgcata ccaagcagaa ggtggggcgt 660
tag 663

<210> 14398

<211> 957

<212> DNA

<213> A.fumigatus

<400> 14398

attcccaccg tcttgacta cgatcaatat cagaagggtg taggctgggg cccggacatt 60
gcggaggctc tggcaccac tggatacccg aagaccggcg tgcaaaaggc cgaatggttc 120
aaactacagc tcatgtcttc cggcaatact tatatcgacc ccatcaacct accgcctctt 180
cctcccggca aatcagaaat tgatgttgct gccgattacc tctttaagtt gcgacaagcg 240
atgcggggcg aattacagaa gactcttggt gaggtgttca ctcgagaaga gcgtaatatc 300
cgatactatc tcaccggtgc tgcgatctgg aatgatgcag ggaaggcagc gaccaggcg 360
gcggccctgc aggcgggatt tctgcgcgac gagaacgata atcgcttgac gttgatctcg 420
gagcccgagg ctgcccact gttctgcgcg aagaccggct tgcttcagct caaagtcggg 480
gatgcgatcc tgattgtgga ctgcccgtgga ggaacgggtg atctgattgc gtacgaggtc 540
gaagaggagc agcccttcag cgtggcgagg tgtacagcgg gatcgggcga ttcttgccgt 600
tcgacggctc tgaaccggaa tttcagcaac attttgccgg ccaagattcg caagatgaag 660
ttgcccagcg gttcgagaac cgcggggcaag gtgtatgcaa agtgcattat ggactttgag 720
aaccgcatca aagccgattt ccgcaacaat ggccagaagt gggctgtgga tgttggtatc 780
gaagcagact tccccgaggc taatatcgaa gaagggtaca tgacatttac caatgaggaa 840
atccttcaat gcttcgagcc tgtcgtcaac cgcattctcg agttgggttc gaaccagatc 900
atcgcgattc aagcgcagaa tcgatcgctt caggtaggtt catctcgact atgctga 957

<210> 14399

<211> 225

<212> DNA

<213> A.fumigatus

<400> 14399

ccagcgattc gcagcgggtt cgaacaggcg aacaaatacg tcatcatgga tgcaaatgga 60
aaccatatcg gatatatggc cgaacaagag aaaggcatgg caaatatgat ggcgagacag 120
tggtttcgaa cacaccgaag ttttgtgacg cacgtgtttg atcggcacga aaacgagggtg 180
cttcgagtat gtccatatcc atttgtgaaa ttccaccagc aatga 225

<210> 14400
 <211> 1131
 <212> DNA
 <213> A.fumigatus

<400> 14400
 aattccacca gcaatgagtc tccaaacgct ttccagttcc accgcccctt ctcttggatt 60
 aactctcgca ttccgggtgta cgaccctctt gatgttgcca aaagcgccct ctctgtcttca 120
 accgcagtc agactgcac ttccagggtca cttgtccaag ctacggggac atcaaattgca 180
 cgcactctgc ctttgggatt agaggatatg cgtgtgatcg gagaagcaca gcagcagtg 240
 gcgcggttgc ggcggaaata caaccttttc acctatcatc actcccctct cagcgccacg 300
 gagatgggaa ctccagagatt acctctctcg caaacagggt tatcaaactc gcagcagatg 360
 caattgacgc agactaatgc cagcgggtcaa gatgttggtg aataccatca gttcgccctat 420
 gtcgatgagc ccttcttctg atgggacttc tctctacgct cggctgacaa ccgactcatc 480
 ggctcagtc accggaactt cgttggcttc gcgcgggaac tgttactga cacagggtgc 540
 tatgtctctt gcattggatt tgcggctctt ggttccgagg atttgaccac acgaacaaac 600
 gcgccaacag gaatgacgct ggaccaacgg gcagtaatgc tggccactgc ggtcagatc 660
 gacttcgatt acttttagccg tcacagtggg gctggcggtt ttggcttcat gcccatctgg 720
 ttccccggtt ttggcggaga ggccgctgcc ggtgggtgcc ctgccggtgg tgcagctgct 780
 ggccaagctg gagctgtagg tgaggcgccc gcgggcacca tcggcagggc tggcgccgct 840
 ggaggaatcg ctgaagggtc tgcctgtgga gctcggggtg cgggtgcgat ggctggttac 900
 gatgcgttgt caagaggcat ggcaggagac agcaattcac agcatcctct cccacccgag 960
 cagcagccgt actcggcaga ccagcaatca tcgggtttccg gtcaagcagg tccttacggg 1020
 gatgtatggg ccgaggagca agaggatcct tttgctcgcg cggccgaaga tccttgaac 1080
 atcaggagc cagatgatga gggcgaagaa ggggacaatg actggttttg a 1131

<210> 14401
 <211> 303
 <212> DNA
 <213> A.fumigatus

<400> 14401
 ttctgctgc tcaactttcct ccaatttttg atatctggtt acacaatgtc gtccgtcgca 60
 cagaagcgtc tctttcacga gtataagaac ttatcaacca accctcccga gggcatcact 120
 gctggtccag tcagcgagga tgatatgttt cactgggagg ccttgattca aggtcctgag 180
 ggtacgcat atgaaggagg cgtgtttgca gcagagctca aattcccaa agattaccg 240
 ctgagtccgc caacaatgaa attcgtcgtt ggtggggtgt ggcattccga tggtagaga 300
 tag 303

<210> 14402
 <211> 270
 <212> DNA
 <213> A.fumigatus

<400> 14402
 catagcctcc taacagtcta tcccaacgga actgtctgca tatccattct tcatcctccc 60
 ggtgatgatc cgaaccatta cgagcatgcc tccgagcggg ggtcgcccat tcagagtgtg 120
 gagaaaatcc tgatctccgt catgagcatg ctggcagaac ccaatgacga aagtctctgt 180
 aatgtcgaag cggcaaaaat gtggagagaa cgcagaagcg agtatgagcg gaagggtcgt 240
 gatgaggtca gaaagggctt gggctctgtg 270

<210> 14403
 <211> 978
 <212> DNA
 <213> A.fumigatus

<400> 14403
 ctgtataacg ttattactca agtcgccggt ccaaagtgtc aagcatccca aagcaatgcg 60
 caggttgaag tggctgcgg gcctttgatc aactacaaga acatgaccgt caccctctcc 120
 tcctccctct ggcatggaag cgtcttgatt gtcacgaaac ccggtcaagg acagccacag 180
 ctgctcctgc gacaaagtgg tccggtcggc ggtagcaatg ctccggtcaa tggcgacctc 240
 tcagcccgtc agcccgctcac aattgatggg ttgcgccttt acgaggatcc ccagaaagcc 300
 ttctggcgct tctccatcac cgtccccctg caatcctatg aagcgcgctg ggagtatgac 360
 attcccggtt ttcatgtatg ggaagccaat cgaacgatta caccctggaa ctttgtgggtg 420
 ccttcagtga accagtccat gcggctcatg ttccactcct gcaacgggtt ctccgtcggc 480
 acggatatgg atgcatggct ggggtccaat ctgtggaatg atgtccttcg tgttcatgcg 540
 caaaagccct tccacgtcat gatcgggtggc ggtgaccaa tctacaatga cggagtcggg 600
 gtggatggcc ccttgaagga atggacagcg atcgcaaatc ccataaaaag acgggcacac 660
 aatttcgata attccatgcg agccaaatgc gacgagtact actatgcaa ctacaagaga 720
 tgggtactcca ccgagccggt caagaccgct aatgcgcaga tccctcagat caatatctgg 780
 gacgaccacg acatcattga cggcttcggc tcatacacag accactttat gcgggtgctct 840
 gtcttttcgg gcattggagg cgtggcgtag aagtattact gctgttttc aacaccacct 900
 tgcgcctcca aagggtttacc ttccaccagg atgtcccca gaactatgaa gccaaatcat 960
 ggctctgcgg ggttctaa 978

<210> 14404

<211> 441

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (46), (155)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14404
 actcaattat cttcactatt agcatcagac cccaaacagc attcantact tacacgtact 60
 ttccactccc caaatccaca aaccatcgaa agcactcccc ttgcgccttc ccacgctcat 120
 caaacaccac tccttccgcc tccaacaaca gccgnttctc aacctgatac ttcccaccca 180
 agatccactc ccccttatat ccccccaacg tcccattcgt cgccagcacc cgtatggcagg 240
 gcactttctg gcgaaacggg ttctgtgcga ttgcattccc cacggcccgt gcgctggagc 300
 ctaggtgtgt cgcgagcgcc gactacgtgg tccagcgccc tttcggcacg gagaggaggg 360
 tgcggtagac gcggcgcgcg taaggggtta ggggtgggatg gagggagatg cgggtggagga 420
 atttcttggg ttgggggctg a 441

<210> 14405

<211> 441

<212> DNA

<213> *A.fumigatus*

<400> 14405
 cgtcggcgcc gagacgggac caaacggaag cctgtgtttc agacacaatc agtacaagga 60
 aaattcaaag tcgtccgaat ttctgtcatc aagttcacat accatctcca aaccgatgat 120
 accaccgcca atgacaacca tcttcttggg gacctccttc agggaaagag cgccggtact 180
 ggtgatgatt ctcttctcat caatgttgag gccagggaaa ggagtggcct cacttcgggt 240
 ggcaatgaca atgttctttc cgcgcagagt ctgttcacca ccatccagca gggtcacctt 300
 gacggtgtgc tcgtcgacaa aagcaccggt acccttgatg taatcgacgc cgttcttctt 360
 gaacagaaac tcaatacctt ttgtgagacc ttccaccgga ggtgtccttg gccttcatca 420
 tctgctcgag gttcaacttg a 441

<210> 14406

<211> 225

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (104), (213)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14406

aatccattca	ctccgcaatg	gcatagcatt	cataataccc	gtccagatca	ttcaatagac	60
tcaattatct	tcactattag	catcagaccc	caaacagcat	tcantactta	cacgtacttt	120
ccactcccca	aatccacaaa	ccatcgaaag	cactcccctt	gcgccctccc	acgtcatca	180
aacaccactc	cttcgcctc	caacaacagc	cgntttctca	cctga		225

<210> 14407

<211> 201

<212> DNA

<213> A.fumigatus

<400> 14407

tacttccac	ccaagatcca	ctccccctta	tatcccccca	acgtcccatt	cgtcgccagc	60
acccgatggc	agggcacttc	tggcgcaaac	gggttcgtgc	gcattgcatt	ccccacggcc	120
cgtgcgtgg	agcctaggtg	tgtcgcgagc	gccgagtagc	tggtccagcg	ccctttcggc	180
acggagagga	gggtgcggta	g				201

<210> 14408

<211> 1317

<212> DNA

<213> A.fumigatus

<400> 14408

ccagttggga	gttataatga	tatacctttt	cgatcatagat	tctctagtag	acaaaataac	60
caacatagga	aaaataataa	ggcgaaatgc	tacatgtggt	tcgctagcgt	ggctaggcta	120
gaggagaaaa	tacagggcgg	cggagcaaga	ggattttcag	ggagtttaga	agtggatggc	180
cttgagtag	gtggccatgg	cagcctcctt	gaaggcctcg	gccaaggtag	ggtgagcgtg	240
gcatgtgcgg	gcaatatact	cgcaagaagc	accgtattcg	acggccagag	tggcctcagc	300
aatcatctca	ccagcgttgg	gaccgatgat	gtggacaccg	agaatgcggt	cggctctcagc	360
atcggcgatg	aacttcacct	ggccctcagt	gtcgagggtg	gtcttggcac	gagagttggc	420
gctgaagggg	aaggtaccga	cgcggtactt	tatgccagcg	gccttgacct	cggcctcggt	480
ctggccaacc	caggcgactt	cggggtgggt	gtacatgacg	ctagggatag	cagcatagtt	540
gacgtggccg	tgacctttct	taatgtactc	gacagcagca	acagcctctt	cctcggcctt	600
atgggcaagc	atgggaccga	aggtgcagtc	accgatgaca	cggatgtggg	ggatcttggt	660
gcgggtactc	tggtcgatca	caaggcggcc	tctctcatcc	ttgtcaattc	caatgttctc	720
cagacccagt	ccttcggtgt	agggctctcg	gccgatggca	acaaaacaa	cgtcagcatc	780
caggtctcc	tcctttccac	ctttggcggc	ctcaatgctc	agcttgacag	tcgcgcgct	840
gtcatcacc	ttggtgacct	tggtgttggt	cttgaacttg	ataccctgct	tctgcagaat	900
cttctgggcc	tgcttggcga	tgtcggcgct	cataccaggt	ccaccaatct	ggccaaggaa	960
ttcaacaacg	gtaacgtcgg	cgccgagacg	ggaccaaacg	gaagcctgtg	tttcagacac	1020
aatcagtaca	aggaaaattc	aaagtctgct	gaattttcgt	catcaagttc	acataccatc	1080
tccaaaccga	tgataccacc	gccaatgaca	accatcttct	tggggacctc	cttcagggaa	1140
agagcgccgg	tactggtgat	gattctcttc	tcatcaatgt	tgaggccagg	gaaaggagtg	1200
gcctcacttc	cgggtggcaat	gacaatgttc	tttccgcgca	gagtcgtgtc	accaccatcc	1260
agcaggttca	ccttgacggg	gtgctcgtcg	acaaaagcac	cggtagccctt	gatgtaa	1317

<210> 14409

<211> 216

<212> DNA

<213> *A.fumigatus*

<400> 14409

accgcttgta	ttgaaaagcg	tggacgtctc	ggtggtactt	gcctgaatgt	cggctgcatt	60
ccctcgaaat	ccctgcttaa	caactccac	ctctaccacc	agatcctcca	cgacacaaaa	120
aagcgcggtg	ttgaggtcgg	tgatgtcaag	ttgaacctcg	agcagatgat	gaaggccaag	180
gacacctccg	gtggaaggtc	tcacaaaagg	tattga			216

<210> 14410

<211> 873

<212> DNA

<213> *A.fumigatus*

<400> 14410

attttccttg	tactgattgt	gtctgaaaca	caggcttccg	tttgggtccc	tctcggcgcc	60
gacgttaccg	ttgttgaatt	ccttgccag	attggtggac	ctggtatgga	cgccgacatc	120
gccaagcagg	cccagaagat	tctgcagaag	cagggtatca	agttcaagac	caacaccaag	180
gtcaccaagg	gtgatgacag	cggcgcgact	gtcaagctga	gcattgaggc	cgccaaaggt	240
ggaaaggagg	agaccctgga	tgctgacgtt	gttttggttg	ccatcgggcg	cagaccctac	300
accgaaggac	tgggtctgga	gaacattgga	attgacaagg	atgagagagg	cgccttcttg	360
atcgaccagg	agtaccgcac	caagatcccc	cacatccgtg	tcatcggtga	ctgcaccttc	420
ggtcccatgc	ttgcccataa	ggccgaggaa	gaggctgttg	ctgctgtcga	gtacattaag	480
aagggtcacg	gccacgtcaa	ctatgctgct	atccctagcg	tcatgtacac	ccaccccgaa	540
gtcgccctggg	ttggccagaa	cgaggccgag	gtcaaggccg	ctggcataaa	gtaccgcgtc	600
ggtaccttcc	ccttcagcgc	caactctcgt	gccaaagacca	acctcgacac	tgagggccag	660
gtgaagttca	tgcgcgatgc	tgagaccgac	cgcattctcg	gtgtccacat	catcggtccc	720
aacgctggtg	agatgattgc	tgaggccact	ctggccgtcg	aatacggtgc	ttcttgcgag	780
gatattgccc	gcacatgcca	cgctcaccct	accttggcgg	aggccttcaa	ggaggctgcc	840
atggccacct	actccaaggc	catccacttc	taa			873

<210> 14411

<211> 366

<212> DNA

<213> *A.fumigatus*

<400> 14411

aggccaagga	cacctccggt	ggaagggtctc	acaaaaggta	ttgagtttct	gttcaagaag	60
aacggcgctg	attacatcaa	gggtaccggt	gcttttctcg	acgagcacac	cgtcaagggtg	120
aacctgctgg	atggtggtga	acagactctg	cgcggaaaga	acattgtcat	tgccaccgga	180
agtgaggcca	ctcctttccc	tggcctcaac	attgatgaga	agagaatcat	caccagtacc	240
ggcgctcttt	ccctgaagga	ggtccccaag	aagatgggtg	tcattggcgg	tggtatcatc	300
ggtttggaga	tggtatgtga	acttgatgac	gaaaattcgg	acgactttga	attttccttg	360
tactga						366

<210> 14412

<211> 570

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (465)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14412

tcacatgcga	tccacctctg	caaagggtcac	atcaccggtta	tccaatactt	gcagaagaga	60
gcttgggtggt	tcataattgga	taaccaccccg	agaataacta	tggcatctct	tatgagaacc	120
aagcagtgccc	catccaaacc	cacaccaaca	cccccgctgt	cacaagaatg	catatccctc	180
agcccccaaa	ccaagaaatt	cctccaccgc	atctccctcc	atcccaccct	aaccctttac	240
cgccgcgcgcg	tctaccgcac	cctcctctcc	gtgccgaaag	ggcgctggac	cacgtactcg	300
gcgctcgcga	cacacctagg	ctccagcgca	cgggcccgtg	ggaatgcaat	gcgcacgaac	360
ccgtttgcgc	cagaagtgcc	ctgccatcgg	gtgctggcga	cgaatgggac	gttgggggga	420
tataaggggg	agtggatctt	gggtgggaag	tatcagggtt	agaancggct	gttggttgag	480
gcggaaggag	tgggtgttga	tgagcgtggg	agggcgcaag	gggagtgcct	tcgatggttt	540
gtggatttgg	ggagtggaaa	gtacgtgtaa				570

<210> 14413

<211> 378

<212> DNA

<213> A.fumigatus

<400> 14413

atatctcaga	agccgaactt	cccacacctt	acgatcgccg	ttgttggcca	agagaaagcc	60
ggcaaatacta	cgttcattcg	gagcgctcta	gacatgaaga	acccgctatc	ctcacgatcg	120
acaacaaaga	agatgtcatt	agacggcact	gtttacctgg	ttcgattcgt	ggagatttcg	180
accaaagaga	taacagtcgg	aagcaatgga	gagctcgctg	ggcctcggat	tggcaacgat	240
gtcacttcgc	caaaggttat	tgacggagtg	ctcgtgcttc	acgatgtgac	ccaacccgag	300
agcctctcag	agctgactgg	cctacttggg	atgtttcacg	gagtacttgc	gcttgcttca	360
gattccact	tcctctag					378

<210> 14414

<211> 1566

<212> DNA

<213> A.fumigatus

<400> 14414

ctgggatcct	cagaattcac	cgatcattcc	cccagccagt	ccgaacaggg	aacctctggc	60
gacgccccgt	accggccggg	ctctcaagac	cgccgccata	cccgggccaa	ctccgaaaca	120
cctacagcct	tcttcaacgg	agccgcgggg	ggctcaaaact	ccaccagtgt	atttgaatca	180
ggagtcgatg	ggtacggcga	cgacctgtat	cccgctgacc	ggaccgactc	atccaacctg	240
gcttccaatt	cgcacagtcc	cagatatgcc	cggagcaact	cgtttccggg	gcgaccgcac	300
acccccctt	cgggagccac	gttgaacttg	cacaggcaat	cagcgtcagg	ggagtcattc	360
ccagccaagg	accgcaatcg	ccagcatcgg	cttcattctg	cttggcgaaa	cagtggcgga	420
tcggatgcct	ttaatagctt	cttggagacg	gaagatgaga	ttgacgtgtc	atgtagcgcc	480
ccgtcaagtc	ctgggtggcag	cagtaaggac	aatcaacaa	gcgatggaag	ttcgaatgaa	540
accggctaca	cctttgacga	gttagttgat	cggcttgtgg	cgcagccaat	gtcgaagcag	600
gactcgaagt	tctcatcgat	cttcttgtgc	ttgtatcgca	agtttgcagc	acccgccagt	660
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aaggataaga	ttcagagctt	gaagcatgtc	aatcgcatga	tcaagcaatt	caaccatgtc	1440
gcgttttttcg	tggctagtat	gatccttctt	cgggacaagc	cgaagcacccg	ggcaagggcc	1500

ctggagaagt ttatgaacat tgcacaggta agaattaatc gtgaacaagg caaaggagat 1560
atctaa 1566

<210> 14415
<211> 450
<212> DNA
<213> A.fumigatus

<400> 14415
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gtggaaacct acctaaatct cacagctgcg gcgctctgcg agccaggctt taatttgaat 120
gctaactggg atcctcagaa ttcaccgatc attccccccag ccagtccgaa cagggaacct 180
ctggcgacgc cccgtaccgg ccgggctctc aagaccgcgc ccatacccg gccaactccg 240
aaacacctac agccttcttc aacggagccg cgggcggtct aaactccacc agtgtatttg 300
aatcaggagt cgatgggtac ggcgacgacc tgtatcccg cgcaccggacc gactcatcca 360
acctggcttc caattcgac agtcccagat atgcccggag caactcgttt ccggtgcgac 420
cgcacacccc cccttccgga gccacgttga 450

<210> 14416
<211> 231
<212> DNA
<213> A.fumigatus

<400> 14416
aacggccccct atggcagcgg ctccttccag ccccggtgtg aagacgagca aaacatgctc 60
cacgaccgtg gtaacaacac aggcctggag acgcatccag cagtggatca tgatgcggac 120
attcttcaag cggcacagct actcctccc ggtgcctatc gagacagtca acctgttggt 180
aggcaatcag tcgtcatatt gatcaatcat tggtttgcta attgctatta g 231

<210> 14417
<211> 468
<212> DNA
<213> A.fumigatus

<400> 14417
gcattgcaca ggagagcact tcgttcctgg acctctgtct ggcagcaggc accggagtca 60
agtctcgatc ccacaaatga aaatggacc attccattca cgtcgagctc ctttttgggt 120
ttggcgatg tccgtctttc tctgaatcta gggccctacc gccagttaga atcccagac 180
ccgtacgtca ttgctgcggc gctacatcga tcaccgcggc cgggacgaag ctatcgctg 240
acgcctgcgc tgatctatgc tgcgcacgca ttaagcattc ctgtacgcct ggggatagac 300
tatgttgcac gaagtcaggc cttcttctgg agtgtccgac attctattgc cagtctggag 360
tgcgacgtac tcctaagcaa atggctactg tctctagctg aggcaggaaa tcagacatct 420
ctaagtggta tgaggcgcca ctcttcggat actcttgta gttactaa 468

<210> 14418
<211> 1170
<212> DNA
<213> A.fumigatus

<400> 14418
ctcgccattc agatcttggc taccctcggt accgccagga gatcagagcc tcgggacggg 60
atccgatcat ggtatgttgc cttagctgga aaggagctgt tgagtctgac gtacagttta 120
gaaccccttc agaccgcaac gaattattcc cctcttaagg tgactgaaga acaaagactg 180
cggctcgcca cctctctaga ggagttccgt cacttaattc ctgactttgt ttgcccgtcg 240
cggcacacgc tgacgagata cttaacctcg ttctttgatg gcttccacac tcacctacct 300
ttcatacacc ttcccacact acggatcaat gaacgcgcgc cagagttgat attagccttc 360

ttaactgtgg	gggcccagta	tcggetggag	caccggaacg	ccgaaagact	tttctacgcc	420
tcaaaagcta	tcttacttca	caggctctct	aaagaggcgc	agccctccac	tggagggtcg	480
tacagcaatg	ccatccagat	gccgatctct	actgttccgg	ggacgtttca	ccaacaggcg	540
cccgtttcga	ttcctcttcc	tttaggcaat	gctcccgggt	ggagtgcctg	gaggcagata	600
gaaaacatcc	gcacctgct	tgtcttaatg	ggatttgcaa	gctgggaagg	acctgaactc	660
gttcaggaag	cgtttggttt	acagcattta	ctagtaagg	gtttgcggga	atttggttg	720
actgaaaaca	tgcagtcac	tccaagacat	tgcctatgc	attggcatga	gtgggaggag	780
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accaggaat	ggaaagccac	cactgctagt	gaatgggagg	ccgcgcaaaa	ggagggttggc	960
tgcagcaat	tgttcttcca	agatgcgctg	gctctgcttc	tgcaaaagtc	acgaacgcct	1020
gttatgttgg	atccgatccc	tgcgcgtta	ggcaactaca	ttctactcca	tggccttcta	1080
cagcgcattc	atctggtcag	cgaactttcc	atcccgaatg	gagaccagtc	attttcattg	1140
cccacagagg	aactaaataa	actggagtaa				1170

<210> 14419

<211> 228

<212> DNA

<213> A.fumigatus

<400> 14419

agtgtgacc	ctccccctttt	cgactacagc	atcgacgatt	cctctgccgt	ctacgccacc	60
cttgtattgg	ctggccgcac	gttcctcgcg	atgctcgcg	agctcgagca	ccttgacctc	120
ctaaagccag	attccgaggt	caaaaatctc	ggcttcataa	tggccctcta	cattaagctt	180
gctgccactg	aggacatcat	tgaccttgag	gagtcagcgc	cgagatct		228

<210> 14420

<211> 1404

<212> DNA

<213> A.fumigatus

<400> 14420

tcaccatgcc	caatcagaaa	tcccgatgtt	cttgccatga	agaattccga	gatacctcgtc	60
cacatctccg	ctcccagcgg	agtccgagat	gatgtccgat	accgagctca	ggtcgaggct	120
attcttggat	ttcagagcct	gtcacggcag	ctcatcacct	tgtcgtctga	tgagcgctga	180
gggaaccatg	gtgcactggc	tacgggacag	tcaacgtcta	cggatccacc	agttgatgca	240
gacctcgggg	gggaatcgaa	atgcattcaa	ccgatacctt	ctaactcaca	gagcacaatt	300
cccgatgaag	acgtggaagt	gggacgcttc	aatgcagcca	ggcccaaccc	aggacatgag	360
ggactactca	acgtactgc	tggttcaaca	acactaatgg	tcaaagactc	gatgattctt	420
ccagattcca	aggtcgataa	tagccatcac	atcagccccg	tctcactact	ttctcagccg	480
caaaatgagc	gcgcccga	agattcgctc	gagagtccgc	tcagtgtcat	accgactcgc	540
caaccagaag	cgatacgtag	ccaagctgaa	ggcattatgc	ttcgcccggga	cccctgtgta	600
gcccttgggt	ctcctccac	caaacgacat	tgttcagggt	tatcgtcgat	gctacgggaa	660
gctgtgcctg	cctctgacgc	tctcatactt	gtccccaagc	tgaacgaaga	gcaccacaga	720
agttgcgagt	tggctgatcc	tcatcctgtt	acgcagatca	ccccacaacc	agatcccag	780
agaccaccac	aagtatccct	tgatggctct	ccactagcca	tcaagccctc	gcctcctcca	840
gtgtccaggg	agcaatttgt	aaccatgtc	accccactc	tggccatgtt	gacaaggcgt	900
ttgaaaccat	cacgaacata	taagcctgtg	aaacaaacca	gggacctgga	gcagttggag	960
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gctcctgggt	aacaggaaag	tgaggctcgg	aactgggatt	tagcctgctt	ctcccgcttc	1080
tggctggttt	tgtcggatth	catcgctaag	gacggtcggg	ctgggtgggg	tgtctgggtg	1140
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cagagaacga	cagcgccgat	catatctgac	ggaaagacta	atccccacag	ctttgttcgg	1260
cccgatgatac	tgaaactcta	cgcgtgggg	gagatcgcg	ttcatatgta	tctcctcctg	1320
ttcttagcca	gcgaacgaaa	aatccgcaaa	atgggcgcgc	agtggcgaga	cggtcgggat	1380
gaagtagtca	ttcaaatgcc	ctaa				1404

<210> 14421
 <211> 366
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (326)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14421
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 acaccagac gtgaacttta ccgttgtgat caaccaggg aagcggactt ggacccaacg 120
 cactgcggga tggcaactac acgcgttgag attcccaagc tggcttcgta cgaaaatgtg 180
 cggctgctag gctatgtggc gacaacctac gcgaaacgca atatctcgct ggtgcgcccc 240
 gacatcgaga actatgcagc gtggccaacg aactcttcca acccggtctt agctgttcgg 300
 gggatctttt tcgacgatac cctcancagt atgatgaaga tgccttggcg tatctgccgg 360
 aattga 366

<210> 14422
 <211> 267
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (2)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14422
 anaatacccc tgggttttggg gccgcatcat tacgtacgtt tccctggtaa ttcattatca 60
 tatttggtaa tttttatttc catttttatt tatttttttt atttgitttg ttttgtttcc 120
 tcgcttgcca ccttccagc gtatatatca ctttggtttt tttttttttt tttttttttt 180
 tttttcagcc aagctgtcgt ctacagtttg caagtgctaa aatgctcact aattacaggt 240
 gggttcacaat cccggcgcca tccctga 267

<210> 14423
 <211> 327
 <212> DNA
 <213> A.fumigatus

<400> 14423
 ttacagggtgg ttcacaatcc cggcgcgatc cctgactctc gctacctgtc gactgcagac 60
 tcgactgtcg tgttcgaagc aacgtacgac acctttcagg aacgccatgg agccaagctg 120
 ttcgaggcga tcccggacag caaccgcagc cagctctgtg cggatgatcca ctccgtcccc 180
 gagagtgtcg aaggggtctgc gtcctggagt ttggtgaagc aggtccgcaa ggttgccgat 240
 gagatcttca tcaccactt ggatacgat tactatgccg gttttgggag gcagtggccg 300
 gagtttgtgg atttgatggg aaaatag 327

<210> 14424
 <211> 972
 <212> DNA
 <213> A.fumigatus

<400> 14424

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ggagtcggtc	tcggagttgg	actcggcatc	ggtctgggcg	gcggcggcgg	cggcgaaggt	180
gaagaaggct	caggcgggga	gaccacaccg	ccagaaggca	actacaccac	ggccaagtgg	240
cagccagcgg	tgggaaccaa	atggcagatc	gagctgcttt	acgcgttgaa	cgacacctcc	300
gtcgacgctg	agatctacga	catcgacctg	ttcatcaacg	acaagtccac	catcgagga	360
ctccaacgag	cggccgcaa	ggtgatctgc	tactttctcg	caggcagcta	cgagaactgg	420
cgaccggaca	aggacaagtt	caaggactcg	gatctgggcc	acgacctgga	cgactggccg	480
ggagagaaat	ggctgaacat	cagctcggca	aacgtacgcc	agatcatgct	ggaccggttg	540
gacatggcgc	gcgacaaggg	ctgcgacggg	gtggaccggg	acaacgtcga	cgggtacgac	600
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aatgcggcgc	atgcgcggaa	catgtcgatt	ggcctgaaga	acgcggggga	catcatcccg	720
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ggggataaga	ccaacaatga	tctgtccgtc	acggccagtc	agaagaacgc	ggcgtgcgac	900
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gaatattgtt	ag					972

<210> 14425

<211> 729

<212> DNA

<213> A.fumigatus

<400> 14425

gtcgcgatcg	agttggccgg	cattcgcgtc	cttccccaca	tcctcaacgc	cggcctcctc	60
ctcttcgtct	tctccgcgc	taactcggac	ctctacatcg	ccactcgta	catttacggt	120
ctcgcgcgcg	aggcacaagc	gcccgcctac	ttcgcccgca	ccgaccgccc	cggcgctccc	180
atctatgccc	tcgccatctc	cgcttgcctc	gcctgcctgg	cctacatgaa	cgtctcgagt	240
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tggatctcgc	tgctcgta	ccacatctac	ttcgttcgcg	cccgcacaagc	ccagaacgtc	360
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gatctgtggt	caggttaagg	tgagatcgac	cgcgaggagg	cggagtatct	ggctcgcaag	660
gcgatggaag	agccaaccag	taagcgcggg	aactggttct	atcagacatt	tgtggcgtgg	720
ctgtttctaa						729

<210> 14426

<211> 579

<212> DNA

<213> A.fumigatus

<400> 14426

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gccttctcac	ctggatctcg	ctgctcgta	cccacatcta	cttcgttcgc	gcccgcacaag	120
ccagaacgt	ctctgactct	gacctogtat	acacagcccc	ctttggcgcc	gcaggctcct	180
acttcgccct	cgtcttctgc	tgcatcattg	cgctcactaa	gagcttcgac	gtattcgctc	240
atagcagctc	ctatggcaac	ttcaactaca	agggttcat	caccgcgtac	ctcggtatcc	300
ccctatactt	atgcctcatc	ttcgggtaca	agctcttcac	tcgctgcaag	ggcgtcaagc	360
ccgaagaggc	agatctgtgg	tcaggtaagg	atgagatcga	ccgcgaggag	gcggagtatc	420
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ttgtggcgtg	gctgttctaa	gactccgcgc	tcccggttat	ttactttttt	tttttttttt	540
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<210> 14427

<211> 531
 <212> DNA
 <213> *A.fumigatus*

<400> 14427
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 gtaggagcct gcggcgccaa agggggctgt gtatacgagg tcagagtcag agacgttctg 180
 ggctttgcgg gcgcgaacga agtagatgtg ggtgacgagc agcgagatcc aggtgagaag 240
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 gttcatgtag gccaggcagg cgaagcaggc ggagatggcg agggcataga tggggacgcc 360
 gcggcggtcg gtgcgggcga agatggcggg cgctttgccc tcgcgcgcga gaccgtaa 420
 ggtacgagtg gcgatgtaga ggtccgagtt agcgcgagg aagacgaaga ggaggatgcc 480
 ggcgttgagg atgtggggaa ggacgcgaat gccggccaac tcgatcgcca c 531

<210> 14428
 <211> 1182
 <212> DNA
 <213> *A.fumigatus*

<400> 14428
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 ctctctcat gtccagatga tcaatgtcgg ggtgtccac gaaggcgagg aaatcccggc 180
 gcttcgactt gggaggaccc gtggccagac ggccgacccc taccctcgca agaccatcgt 240
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 cgaccgcgcc tgggaattcc aatgggacgg cgagcgca cggtcgaacc cgtgctcgga 540
 gaactacgcc ggcaccgagc cattcgaagg cagcgaagcg caccaactgg cccagtgggc 600
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 ctcccaacag atcctctacc ccttctcgtt ctctgtcgtg tccgtcccg ccacgctgga 720
 aagcctcgaa gagctaggca taggcctcgc aaaagtcac cgctgacca cccacgaaat 780
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 cccacccag agaccatct tccccaccgg cggcagctca ggcggcagcg ctctcgactg 900
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 cgttctgacg tttgggaaat tctcatcgg cgatcttgcg cagaacacag atctggactg 1080
 ggacgcggag ctgcagcgca cggagccga cgaagctcct gcatcccaag gcgacggggc 1140
 agcgccagcc acgcagcaag tctgcaggc ggatgtcgat ga 1182

<210> 14429
 <211> 1353
 <212> DNA
 <213> *A.fumigatus*

<400> 14429
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 gatcagccgg gattcatccc gtcatgctgc cagtcgaccc aatttgagga tttgttcttc 180
 cgcgactacc agcctctgtc ggttatcgtc ccgtggatgc ggctgatggc ttcatgttc 240
 tctctcatg tccagatgat caatgtcggg gtgtccacg aaggcgggga aatcccgcg 300
 ctctgacttg ggaggaccgg tggccagacg gccgacct accctcgcaa gaccatcgtc 360
 gtcgtcgggtg gcagccatgc gcgagaatgg atcagtaact caaccgtaat ctacgtcgcg 420
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<210> 14433
 <211> 1062
 <212> DNA
 <213> A.fumigatus

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 aaaatccccg actctccacg attcgacctc accaaaccgt cgtatgacct ctggcggaac 240
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<210> 14434
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 <212> DNA
 <213> A.fumigatus

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<210> 14435
 <211> 264
 <212> DNA
 <213> A.fumigatus

<400> 14435
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 cgacagtatt atgtttccat cactcatgaa cctgccgctc ttgccatgtc atcaagagct 180
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<210> 14436
 <211> 261
 <212> DNA
 <213> A.fumigatus

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<210> 14437

<211> 1659

<212> DNA

<213> A.fumigatus

<400> 14437

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<210> 14438

<211> 327

<212> DNA

<213> A.fumigatus

<400> 14438

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gctaccggtg	atatgctgcg	gtcccaggtc	gccaagaaga	ctgagctcgg	aaaggaggcc	180
aagaagatca	tggaccaggg	tggtcttgtc	agcgatgaga	tcatgggtcaa	catgatcaaa	240
aacgagctcg	acaccaattc	tgagtgcgaag	aacgggttcg	tacacacgtg	ccttggtgaa	300
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<210> 14439

<211> 423

<212> DNA

<213> A.fumigatus

<400> 14439

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cggtcgtacc	acaagatctt	caaccctccc	cagaacgata	tgaaggatga	tgtcaccggc	240
gagcccctga	atcaacgttc	cgatgacacc	gccgagacgc	tgaagaagcg	tctttcgact	300
taccacgccc	agaccgcccc	tgctgctgaa	tactacaaga	agaccggtat	ctggcgaggc	360
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<210> 14440

<211> 228

<212> DNA

<213> A.fumigatus

<400> 14440

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ctcggcgggc	aatccaagcc	caagtctatc	gccgagcaga	tgcgcatcgt	ccttatggga	180
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<210> 14441

<211> 669

<212> DNA

<213> A.fumigatus

<400> 14441

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<210> 14442

<211> 228

<212> DNA

<213> A.fumigatus

<400> 14442

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attatgggta	tgthttttcca	tcctcccttg	taccacccct	cacctaaagg	ccgttctaag	180
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<210> 14443

<211> 570

<212> DNA

<400> 14443

<210> 14444

<212> DNA

<213> A.fumigatus

<400> 14444

<210> 14445

<211> 273

<212> DNA

<213> A.fumigatus

<400> 14445

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acctggggtct	tccagactat	gtaccacact	cttccccggg	aagcagcgca	aagctccttc	180
ggccatctctc	gcgcacatgt	ctctttacca	ctctactggc	gccgacgagg	ccaccacgat	240
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<210> 14446

<211> 549

<212> DNA

<213> A.fumigatus

<400> 14446

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ttggcctcct	ttccgagctc	agtcttcttg	gcgacctggg	accgcagcat	atcaccggta	180
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<210> 14447
 <211> 558
 <212> DNA
 <213> A.fumigatus

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<210> 14448
 <211> 615
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (597)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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<210> 14449
 <211> 417
 <212> DNA
 <213> A.fumigatus

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<210> 14450
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<212> DNA

<213> *A.fumigatus*

<400> 14450

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<211> 321

<212> DNA

<213> *A.fumigatus*

<400> 14451

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<210> 14452

<211> 1371

<212> DNA

<213> *A.fumigatus*

<400> 14452

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<210> 14453

<211> 1179

<212> DNA

<213> A.fumigatus

<400> 14453

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<210> 14454

<211> 1962

<212> DNA

<213> A.fumigatus

<400> 14454

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<210> 14455

<211> 348

<212> DNA

<213> A.fumigatus

<400> 14455

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gctctggaga	agaaaaagct	caagtacgct	ggaaaacttg	atgtaagtgt	ctgggttcca	300
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<210> 14456

<211> 555

<212> DNA

<213> A.fumigatus

<400> 14456

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actctcactt	tgcttcttac	ggctcttcag	agctacttgg	tggagtctaa	tcgcgcaatc	360
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<210> 14457

<211> 204

<212> DNA

<213> A.fumigatus

<220>
 <221> unsure
 <222> (201)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 cttcatattc gatctttact ntag 204

<210> 14458
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 14458
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 acctctgggt agcctaacct ggcggaccgt gttctcacgc gtgctaattt gcaacagctc 180
 tga 183

<210> 14459
 <211> 666
 <212> DNA
 <213> A.fumigatus

<400> 14459
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 gattaa 666

<210> 14460
 <211> 399
 <212> DNA
 <213> A.fumigatus

<400> 14460
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 tacagcgccc ccgaagaagc ttccgctcat gctgcatctg aatcgacagc taaagaagac 180
 gtggctgctg ccctagctac cgaacaagac gaggcgcctt cttcgcccca gtccaagatg 240
 gatgtcgatg aaaccaagga agagaagaaa cgcaagaggc atgagggcga aacagcagag 300
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<210> 14461
 <211> 258
 <212> DNA
 <213> A.fumigatus

<400> 14461
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 aacagtagac atttgagcaa tgccaatggc gatggcttca cctttttag tagatgagaac 180
 aacttcttcg ttgacttcaa tgccagcctc tgtgtatcgg tcagcaacca ggtgaaaatc 240
 aacatcaccg aaagttaa 258

<210> 14462
 <211> 261
 <212> DNA
 <213> A.fumigatus

<400> 14462
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 aatgcagaca gccgcactgc catcaaggag aggactgtgc atcaatggga atctaaccct 180
 accaccagcc caaagacgcc tgataaatgg cggctcctggg aaatgcaatg tatcagtacc 240
 gtcagggagt atttgagata g 261

<210> 14463
 <211> 1998
 <212> DNA
 <213> A.fumigatus

<400> 14463
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 gtatacagca ttgagtccaa agagataccg atttgggtca gtgtgttctt cggaaagccc 240
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cgcgaaactga	caagacaaga	ctcggccatt	agaacgtttg	aaaaacttgc	actctttcag	1920
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<210> 14464

<211> 708

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (488)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14464

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cttaatgggg	ccgttgcgtt	tgatgcgatt	tgggtgcagt	tctacaacaa	ttactgtggc	420
gtgaatgcat	tctcttttgg	cacaatgcag	caggacgctt	ttaactttga	cctctgggac	480
gcatgggnta	agagccagtc	caagaacaaa	caggtcaagt	tcttcacggg	tctgccagga	540
aatgtgggtg	cagctggaac	tggctatgtt	ggtgccgagc	agcttaggga	gattgtcgct	600
tggagcaaag	cattctcgag	cttcggagggt	atcatgatat	gggacgcaag	ctcgatggat	660
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<210> 14465

<211> 1233

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1227)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14465

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tttggcggag	gtaacatcgg	ccgtggcttc	gttgctgagt	tcctccatga	agctggctac	180
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gccaaagatcc	ttaaggagac	tccgcggaag	agaccagtca	taaccgccgg	gctgatagat	1200
caagattttgc	gttccacccc	ccaccctcg	gct			1233

<210> 14466

<211> 645

<212> DNA

<213> A.fumigatus

<400> 14466

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ttgggttgggg	acgatgcggt	cgatagcggg	gttggcgaca	cgagcacgct	cactcataga	600
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<210> 14467

<211> 366

<212> DNA

<213> A.fumigatus

<400> 14467

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ctttattttac	ttatcacgac	atcgctgatt	tgcgctcgctg	tcctgggtcac	tggccccccc	180
tattttctctt	ccaatttcgt	cactttatgc	atgcttgaac	tcgtttatct	tgttctcgat	240
tttattctgc	catcgacccg	gttcattctt	gtgatctatc	tctcctccgg	ttttctcgta	300
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<210> 14468

<211> 300

<212> DNA

<213> A.fumigatus

<400> 14468

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aattggactg	agctccggcc	agactccaag	atccggcata	cctggatcgc	ttttgattgc	180
cttgactcgc	ccaacactct	gctgatccgc	gagttccagg	aggggtgacgc	ttcaactctc	240
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<210> 14469

<211> 1182

<212> DNA

<213> A.fumigatus

<400> 14469

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tgccgccaac	gcaaaagaaa	gtgcatggg	aaattcccgt	gctcggcctg	tacaggctat	180
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<210> 14470

<211> 249

<212> DNA

<213> A.fumigatus

<400> 14470

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<210> 14471

<211> 300

<212> DNA

<213> A.fumigatus

<400> 14471

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caggggattc	cagtcgctgc	cgtagagctt	atggatgagg	tacagatgca	agttatcaac	240
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<210> 14472

<211> 582

<212> DNA

<213> A.fumigatus

<400> 14472

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4531

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<210> 14473

<211> 186

<212> DNA

<213> A.fumigatus

<400> 14473

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<210> 14474

<211> 189

<212> DNA

<213> A.fumigatus

<400> 14474

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<210> 14475

<211> 264

<212> DNA

<213> A.fumigatus

<400> 14475

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<210> 14476

<211> 732

<212> DNA

<213> A.fumigatus

<400> 14476

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<210> 14477

<211> 1386

<212> DNA

<213> A.fumigatus

<400> 14477

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<210> 14478

<211> 531

<212> DNA

<213> A.fumigatus

<400> 14478

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<210> 14479

<211> 2043

<212> DNA

<213> A.fumigatus

<400> 14479

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<210> 14480

<211> 387

<212> DNA

<213> A.fumigatus

<400> 14480

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<210> 14481

<211> 345
 <212> DNA
 <213> A.fumigatus

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<210> 14482
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 <212> DNA
 <213> A.fumigatus

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 <211> 225
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 <213> A.fumigatus

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<210> 14484
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 14484
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<210> 14485
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 <212> DNA
 <213> A.fumigatus

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<211> 204

<212> DNA

<213> A.fumigatus

<400> 14486

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<210> 14487

<211> 708

<212> DNA

<213> A.fumigatus

<400> 14487

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<210> 14488

<211> 2250

<212> DNA

<213> A.fumigatus

<400> 14488

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ggaccacgcc gtgagttcaa tcgggcccgt ttgcaggatg tatccagaaa gcgagacgct 1980
gccagcagaa aagccggatt ggggttcgtc aaacgcgacc catgggcaaa aggcgagagc 2040
aaagcggtcg aaaaggtccg tggatgctc ggtgttgcca catcaggcgg aagcactgtt 2100
gcacctgtgt ccgccaatat aggggcccgc tcatcttctg gcacgatgtc acctaaagaa 2160
gtacgattgg tgacaccgat tgagcaaggc aagcgacgga gtggtccgtc gcgggcgagc 2220
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<210> 14489

<211> 843

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (802)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14489

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atctcctaca accccacctc tgctcctccc ggtctctccc tctcccagat cgctatttcc 120
ggccgcgtcc tcatcaaggt ctctctctc agtcaagctg aggagtttct gcgtcagaat 180

```

ttccgtctcc	tcgatgtcta	cgtcgacgct	accgacatca	cttcctctgg	tgacattgtc	240
gatatacctaa	atgccgggtgc	cgccaaagca	ttcatttccc	tcgatcaatt	gacctcgctg	300
tcccaagagc	aatccgttcc	gtcgtcgca	ctcgtcgttt	atacctctc	cgacagtcag	360
gttgatgcct	ttcagtcgtg	ggttggcgag	gatgctgaaa	gaaaggaagc	cggaatatgc	420
accgagtctg	ccgacgtcaa	gaccgtggcc	gacagattgg	gcttgaatct	tgaggctcag	480
aacctttacc	gcacctacac	caaccagcaca	gttaccgagg	acgctgtgaa	ggaaacattg	540
aagcagggtg	ccgtcagcat	tgtctcggcc	gacgccctca	ccctcgatca	caaaaatccc	600
agcggcaaga	tcgccccgc	cgcactgggt	gccgctcgtg	ctgttgcgga	ccagagcaac	660
ggcctgtacg	cgacttcggt	gactgatgag	cggggagtat	gtctgggcct	tgtctggagc	720
agcgacgaaa	gtatcgccga	ggctctccgc	actggcaccg	gtgtctacca	gagccgcaaa	780
cgggtcttca	ccgggggctg	cnagggcgat	cagtttctaa	tccaaatctg	ggctgggata	840
tcc						843

<210> 14490

<211> 279

<212> DNA

<213> A.fumigatus

<400> 14490

ggaggaccac	gacttctccg	tgcctatctt	tctctcgtct	cggggttctg	tattctttcg	60
ttggtcggta	tcatgcattt	acctctttg	tccgtggctc	tggccctggg	gagctcgtct	120
ctggcggttc	ctcaagcggt	tctgcccgag	aacgatgtct	cgtcacgcgc	ggcggccgtc	180
aaagaggcct	tttcccatgc	ctgggatggg	tatatgaaat	acgcttttcc	tcatgatgag	240
ctgctccctg	tttccaacag	ctatggcgat	tcaaggtag			279

<210> 14491

<211> 573

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (383)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14491

cctggggatc	tatgtagaaa	cggatggggg	gcctctgcgg	tcgatgccct	gtccaccgca	60
attgtgatgc	gcaacgcgac	gatcgtcagt	cagattctgg	atcatattgc	caaaatcgac	120
tactccaaga	cttcggacat	ggtgagtcgt	tttgagacca	ccattcggtg	cctgggcggc	180
atgctgtctg	gatacgacct	gctcaaaggg	cccgcggccg	acctcgtcga	ggaccgcact	240
aagggtggaca	tgctccttca	gcagtccaaa	aaccttgag	acgtgctcaa	gttcgccttt	300
gatacgccgt	cgggtgttcc	gtacaataat	atcaacatca	cgtcggatgg	caatgacggc	360
gccacgacca	acgtgctggc	ggntacgggt	acattgggtc	tggaatgtac	ccgtctgtcc	420
gatctgacgg	gagaccaaga	gtatgcaaaa	ctcagccaac	gggccgagtc	ctatctactt	480
gcgcctcagg	ctagctccgg	cgagccgttc	ccttgccctg	ttcgcagcgc	gaacaacttc	540
cagacaggtc	agttcaccca	cgggtttcgt	tag			573

<210> 14492

<211> 540

<212> DNA

<213> A.fumigatus

<400> 14492

tacagtctca	gagcagagtt	aaagccatac	cagcttgtag	gtctgtcttt	cttggtatat	60
ctgtgccgca	atggcgctcg	tgggtattctt	gccgacgaaa	tgggtctagg	caagacgctt	120
cagactttga	gcctcttcca	atttttgaaa	gaaagagatg	gtggatattc	aaacagaaat	180

tcgccctttc	ttgtcgtgtg	tccgctaagc	atccaggaaa	aatggttgag	ggaaatcgaa	240
aagtgggcac	ccagccttcg	agcagtga	taccatggca	ccttcgagca	acgggacaac	300
gtgaagaaga	tgggtgtctgc	ccagaaaaag	cccagcattc	tcagagttcc	gacagacatt	360
gtggacattg	tgatcacaac	atacgagacc	ttgatctcgg	agatcaactg	gttctcaagg	420
gtcttcgttt	ggagaggcgt	tgtccttgac	gagggccaca	ggattaagaa	cagtcggtcg	480
aagagatcgt	tggtccttaa	tcgcatcaaa	gcagagatga	agctcgtgct	ctccgggtaa	540

<210> 14493

<211> 1137

<212> DNA

<213> A.fumigatus

<400> 14493

gaaaagtcag	tcctcatggt	tccgtcccat	ttgcgcatta	ctgacattag	gcagtgctgc	60
attcatcctt	atctttttgc	cgacgcgatt	cccagtcctg	atgaattggg	agagcacctt	120
atacatcaat	ctggcaaatt	cttagttctg	aagaagcttc	ttcaatatta	cgtgacgacc	180
gagacgaaag	tcattgtttt	ctcaaaacttt	gatcaatgtc	tcaacctatg	cgaggacctt	240
gtcatgatgc	tccaaggcag	caaccgagcc	ttcgaatacg	cccggctcga	cgggagaacc	300
actgggccat	ggcgcaaggt	catggtgcac	cttttccaga	atgacccgag	atacaagggt	360
ttcctgggtt	cgattagagc	ggcgggggaa	gggcttaatt	tgaccagctc	ctctgtgggt	420
gtattccttg	atgaggattg	gaaccctcaa	gtgatgacg	aggccgaggg	acgagtgcac	480
cgaattggac	agaccgggcc	ggtcgttatt	tataagctcc	gttccgcagg	cacagtcgaa	540
gagcagatga	gccgtcggct	cgtcaaaaaa	gcctacgtcg	cagacagagt	gaccgagaac	600
atacccgctc	attgccccgg	gaatgattac	cttgagatgc	tcaaggctga	agaggcgagc	660
atgtctcaga	actcgacgga	tacatttggc	ttgccgtcgc	ctgttttcat	ggatcagacg	720
ttcttgtccc	agcaacaaat	tgatacaaac	gaattgtccc	agtgggacat	gagcaccatt	780
ctggccaagt	gttcaagtac	ccaaaaggac	ggagggctct	ccccttgtct	gaccgttgag	840
caagaacaac	tctggctcga	gaaggccgac	agagtcagga	caaatttttt	caacgggggtg	900
acgattgata	caagcggacg	ccatcataca	gtatatgctg	aagaagagag	cagcaatctt	960
ctccgctcta	atcgtcgcac	tggtaaggaa	aggacgggtc	tgatcgatgg	ctatgcagtg	1020
agcaaggaaa	gcctgagggc	ctctggtgaa	gaaccgacgt	ccactaatga	gtgtgcctca	1080
cccacaaaca	aatttaccgg	tcttcaccac	ggggctggaa	ggagccgctc	agttggg	1137

<210> 14494

<211> 501

<212> DNA

<213> A.fumigatus

<400> 14494

gcacttggtg	ccatacgcac	ttgtttcccc	ataaacggtt	cagcctgtgt	ttgtatttcg	60
tcaagaatga	caaacagtcc	agccatgacg	cgaatcccac	gacacctagg	cgagcaagcc	120
gaaagccgca	agcgccgcac	cggcaagcgc	aatgagacca	atgtccttgt	gctgggtgac	180
ggcgggcccc	gtagtgggtg	tgggtggtcg	agcagcagac	gaggtcgtgg	agccagtggg	240
agaagtggga	gaagtgggag	acgtgggagg	agtagtagaa	gtggttgacg	tggcagcggt	300
ctgggaggga	ttagactcgg	tggagaacc	agaagtggct	gtagaggatt	tagaggccgt	360
gccagtggca	gattgagttg	tgttggcgca	gctgggagac	tgaggcatgt	tggtcacacc	420
ggcggtttta	catatccggg	tcgcaaacct	gacggcggct	gtgggaaaga	atgggtgagc	480
atcttctgta	gggtatcgta	g				501

<210> 14495

<211> 570

<212> DNA

<213> A.fumigatus

<400> 14495

caattacgcc	aggaacgggg	caagcggatg	gccttatcga	atgttgccgt	gttcggcgct	60
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```

gccttctctca caccgggtttt ggctgggcaag atcacacact cgcttagttg gcaatggacg 120
ttttacctag tggcgatctt tactgccgct tgccctgccc tgacattctt cctgatacca 180
gaaacgggtt tcagacgcgc cgaccatttc aacacagact ttgagcatgt cggcgaccgc 240
cttgatggaa gccactcaca tacacaactg cagcccgctg gatatgcgac ttctgaattg 300
agccagatat ctggagagca aaagcaatcc gtacttggga ccaacgagaa gccgcaagg 360
gagccctctc gacgagaaga tgggtgtcagt caggaacctc cactccctcg caaggccacg 420
tactgggaaa ctctcaagct attcaatgga cggaaaacag acgaggactt tttcacactg 480
cttttgagac cttttccctt attcttccat cctggtatcc tctgggtaaa tcttccctcc 540
cacagtttca tatatgaggc ctatgtctga 570

```

<210> 14496

<211> 288

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (154), (272)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14496

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ctgccacagg cttgcttgat acaaggcggt ctcattgggt ggactgtctt tatcggtggt 60
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ctctatacag gtgccttcat tggctctatc ttangcctga tactgtctgg catcctgtca 180
gattcggtta acaagggtcat gataaaactt caacaaaggc aatacaaccc cgagttccgt 240
attctgctag ttatcttcca actgatcttc ancggcactg gcctctaa 288

```

<210> 14497

<211> 312

<212> DNA

<213> *A.fumigatus*

<400> 14497

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cataccttcc gacctcact ccctatcagt atgggtctag gtgtgctcga ggacaaggta 60
ctcgaccatg tccttggtta gttccattgt ctggtctaca tctttacagg aagacttgta 120
caatcgaaat caccatttct gaacatttgg ctaggcactt cctatatcct cgaagatgaa 180
agggatgata ataccgctct cgattcgcgc ctcaagtacg atcgctccgg cgacgttctt 240
attcttctag taccacagcc aagcgatgac ccgaacgac ctctggtagg tagaagaagc 300
tatggttggt aa 312

```

<210> 14498

<211> 558

<212> DNA

<213> *A.fumigatus*

<400> 14498

```

aattggccgg tatggtggcg tgatctgac ctattcgcg tttgcttcgt ttcagtecta 60
tgtgcaacaa ccagctcgct catggccgcc aacactgtga ccattgctct tcactatggg 120
aagagtttca cgtccgttgc tctctcact ggctaccacc tctgtggtgt ggggtgtcgt 180
ggtgtgctaa ttgttccgac tgcacgagtg tggggcaagc gacatctttt catcctggga 240
aatattctga tggctcgtgag ctgcgcgatgg gctgggggca gcggccagaa ttatcagagc 300
cttctctggg cccggatcat ccaaggagtc gcattggctc cattcgaagc tttgacgaat 360
gcttggtgtg gtgatctatt ctttgtccat gtaggttcca tctgcgctac ctacaggatc 420
tcgtctgaca attacgccag gaacggggca agcggatggc cttatcgaat gttgccgtgt 480
tcggcgctgc ctctctcaca ccggttttgg ctggcaagat cacacactcg cttagttggc 540
aatggacgtt ttacctag 558

```

<210> 14499
 <211> 540
 <212> DNA
 <213> A.fumigatus

<400> 14499
 agtgcacatctg caccgattcg tccttcattt ctgggtatttc ctgctgcgtt ctccaatcat 60
 gcgggtccgga ccagcagcag ggtaagttct cgttcttgcg gttctcgaaa ctctgcacgc 120
 ctacacatgg cccttgattc tcctctacga taccctacag aagatgctca cccattcttt 180
 cccacagccg ccgtcgagtt tgcgaaccgg atatgtaaaa ccgccggtgt gaccaacatg 240
 cctcagtctc ccagctgcgc caacacaact caatctgcca ctggcacggc ctctaaatcc 300
 tctacagcca cttctgggtc tccaccgag tctaattgct cccagaccgc tggcactgca 360
 accacttcta ctactcctcc cacgtctccc acttctccca cttctaccac tgggtccacg 420
 acctcgtctg ctgcttcgac caccaacacc actaccgggg ccgccgtcac ccagcacaag 480
 gacattgggtc tcattgcgct tgccgggtgcg gcgcttgccg ctttcggctt gctcgcttag 540

<210> 14500
 <211> 474
 <212> DNA
 <213> A.fumigatus

<400> 14500
 ccaacatgcc tcagtctccc agctgcgcca acacaactca atctgccact ggcacggcct 60
 ctaaatectc tacagccact tctgggttct ccaccgagtc taatgcctcc cagaccgctg 120
 ccaactgcaac cacttctact actcctccca cgtctccac ttctccact tctaccactg 180
 gctccacgac ctctgtctgt gttctgacca ccaacaccac taccggggcc gccgtcaccc 240
 agcacaagga cattgggtctc attgcgcttg ccgggtgcgc gcttgccgct ttcggcttgc 300
 tcgcctaggt gtcgtgggat tcgcgtcatg gctggactgt ttgtcattct tgacgaaata 360
 caaacacagg ctgaacggtt tatggggaaa caagtgcgta tggcaacaag tgctcatatt 420
 gtgacccaat gtccgcgtct tcaccacggg gctggaagga tccacgctgg tcca 474

<210> 14501
 <211> 939
 <212> DNA
 <213> A.fumigatus

<400> 14501
 cgaatgacaa aacccgcttt tctagagctc cccgctggag ctcaactcac atacctcgct 60
 gaggggtgggg ccaatatcat ttatcgcat gcatcagctc cctcaccctg ccataccggc 120
 cccacggaca cttatagctc ttctggggcc catttcattg ttctccaga gttcaaggga 180
 aaattacttc gtcttcgaaa ggaaacaaag acaggaatct cataccagga gattgcgctg 240
 aatttcgata gaaccatccg cccattgttc agtccctgacg aactgggtgga ccaggagctt 300
 gtgtaccttc cgagtggact tgtgcaacgc tgcaatgagc aactaagcgc ggcggagcgc 360
 aatggcgaac gcccgaagaa gcgtcaaggc gtgtatcttt cggtcacaga gccatttggg 420
 cttctgggta ccgatatgac gacttttgct accccgaata ccgtgcttgc ggaattaaag 480
 cccaaatggc tcctgcagtc accatcagcg ccagtcaatg cacggagatg tcgcacgtgc 540
 gcattgcggg acatgaagaa ttaccagagt cggagagcag gtgggtctga agagatctcg 600
 ttttgtcggt tgaacctggg atcggacaag tttgagaatg tcctgcgcgc agccaagtac 660
 gtcaagggct gtgaggacca aaccaggctg gcaaggattc tctatcgcaa ccctacattg 720
 cagaaactct tgacgcacga gaaggctatg cgtgacgtgg gactacatgg gccttcggcg 780
 cagtctcgag agcagtctct tgcgatgact ttgcgagact gcacgatgtt tataaaggta 840
 gccattcgga ctccctctat gtgtacgaga cgattggctt acagtattag attccgcgtg 900
 acgagatggg gccagtggaa gtccgccttg gagacttag 939

<210> 14502

<211> 219
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (212)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14502
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 aggtttgttc cctgcttttc ctaccctgtt gacttgtggt ggtgccagct gactcgattt 180
 tctgttccag gactgaacag gaacaatcat tntgaggga 219

<210> 14503
 <211> 1011
 <212> DNA
 <213> A.fumigatus

<400> 14503
 aacctggaca gtatggacga ccaccaacat ggccacgtgc cgtatgtact gttactgctt 60
 cactacctgg aaaagtggaa acaagcccat gacggcaagg tgcgttcaaa ttacaaggag 120
 aaatcagagt tcagggagtt tgttcgggct agtgccagga cgaataatgc cgaaggaggc 180
 gaagagaact atgacgaggc agttgctgctg gtactgaaat cattgaatcc attcagtttg 240
 cgcggctcaa tccgtgagat tttcgagatg gaccagtgc aagaacctcaa acagaactca 300
 gctgaattct ggctcattgc ggcagctgtt catgaatttt accaaacgca caaggtgctc 360
 cctctgcctg gctcgtacc tgacatgaaa gctcaatcgg ccgactatgt ctctcttcaa 420
 aatatctaca aatcgaaagc aagaaaggac gtggaagagg taacagcaac agtcagaagg 480
 ctogaagctc agttgggacc acgggggggc gtcatctccg acaaagatat tgagatattt 540
 tgcaagaacg ctgctcacat caaagttatt catggccgtg atatccctcg catcaacggc 600
 gacgcgacga ctctgaaagc gatcacagat aacctcagct cttccgaagc acttggtccg 660
 atcttcattg cctgtcaaata tctggatgac atcgtgaccg acattcagga atccaatatc 720
 gctgatgtat ctcttgatga cgagtccttg tggaataacc acattcaaca agtcatcagt 780
 aatcttgctt ccgatcctac tgctattgac gaacgagcac gggagaagat cttggaagct 840
 acgcaagagt tgagactcac agaagggtggg gagctacata acatatccgc tctcacaggt 900
 gggctagtgg cgcacgaagc actgaagggtg atcacaaggc agtatgtgcc actggacaac 960
 acatgcatat ttgatggcgc ccggagtcgc aacgagatgt acaggttgtg a 1011

<210> 14504
 <211> 279
 <212> DNA
 <213> A.fumigatus

<400> 14504
 gtgcactgtg ctcaaaccac ctcctctgta tctaacaag tctctagctg gcctttcatg 60
 atgcactgga cctggacagc ccagggttttc ctgactttgc atacgcttgt ctctctgatg 120
 aagatgcact catacggtt ctacaatgga catctgagcg aaacgcagcg tcgactggct 180
 tcaactagaca aacctggctt ggtctcagtc gatacagcg tgcgataccc agaccgggca 240
 ccgagcggac acccgacaca ccagcacagc aatcatgcy 279

<210> 14505
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 14505

ctagaagcgc	agctatcaaa	gaagaaagtc	gtcgacttcc	attcatcgat	tttattcccg	60
ggtagtgcgt	cgacaggttt	cttcgcgcgc	ctctcttctt	ctagttttcc	tgtctcttct	120
ctaatacgtcg	caacccctc	catactcttc	tcttctctcc	cgttcggggg	tccttgcgac	180
cgccatgaca	tcccgtacgt	gtttgcccctc	catgatcccc	cccaccaca	ccccttttga	240

<210> 14506

<211> 309

<212> DNA

<213> *A.fumigatus*

<400> 14506

ttcgggagtc	cggtcagcaa	acaccagaca	ccagcacctt	taaatttcag	tcggacaacc	60
agctcatata	tgatactttg	caggagaaac	aatgtcgcca	aactactcta	tctttttcact	120
cttggggaac	gaacacactt	tggtcagatt	gaatgcctga	agctgttggc	gtcccaccga	180
ttcgccgaca	agcggctggg	gtacctgggt	accatgctgc	tcctggatga	gaatcaggaa	240
gtgttgacgt	tggtgaccaa	ctcattgaag	aagtgggtct	tccgtctcaa	cctctgcttg	300
ctgctctag						309

<210> 14507

<211> 1446

<212> DNA

<213> *A.fumigatus*

<400> 14507

gaagtgtcct	ggctgacagg	atccagtgat	ctcaaccatt	ccaaccagta	tatcgctcgg	60
ctggcgctat	gtgccctggg	taacattgct	tccgtcgaaa	tgtctcgaga	tctgttcacc	120
gaagtcgagt	ccctcctctc	cacagccaat	ccctacattc	ggcgggaagg	agcattatgt	180
gccatgcgta	tctgccgtaa	ggtgccagac	ttgcaagaac	atttcctgga	gaaagccaag	240
gccttgctgt	cggatcgaaa	ccacggtgtg	ctggtgtgcg	ggttgacctt	ggtaatagac	300
atgtgcgagg	cagaggaggc	cgagggaagg	caagagggcg	tgattgagat	gttcggggcc	360
ttggccccctg	gtcttgtgcg	ggccttgaaa	ggactgacga	cttcgggtta	cgctcccag	420
catgatgtct	ccggcatcac	ggaccggttc	cttcagggtca	agatacttcg	cttattgaaa	480
gtactcggaa	gaggagatgc	agcaaccagc	gagttgatca	acgacatttt	ggcccagggtg	540
getaccaaca	ccgattctac	caagaacgtg	ggaaatgcta	tcctttacga	ggccgctctc	600
actattcttg	atattgaggc	ggattctggt	ttgcgggttt	tgggtgtcaa	tattctggga	660
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gtggtagcga	tcgagccgaa	tgctgttcag	agacaccgca	ataccatcct	ggaatgtctc	780
cgggaccgcg	atatcagcat	caggcgacga	gcctctgacc	tgagcttcat	gctgatcaat	840
gagtcgaacg	tgctgttcct	cgtccgggaa	ttgctcgcc	tcttagaggt	tgccgacaac	900
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gaggaggaac	tcgtcaagga	ggtcaaggaa	agcgacattg	ttgacctctt	caacaatatt	1260
ctcaacagca	catacgcgac	gcagaccgtc	gtcgagtata	ttacgacggc	atcgatgaag	1320
ctcacggtag	gcatacacaga	tcctgcgcag	atagagcgtc	tccggcgctt	cctcaacagc	1380
cggaccgccc	atctgagcgt	ggagattcaa	cagcgcgcg	tcgaatatac	caacctcttc	1440
ggtttag						1446

<210> 14508

<211> 324

<212> DNA

<213> *A.fumigatus*

<400> 14508

tctgtcgcaac	cccctccatc	ctctctcttt	cctccccggt	cggggggtcct	tgcgaccgcc	60
atgacatccc	gtacgtgttt	gcccctccatg	atccccccca	cccacacccc	ttttgagctg	120
gcaacggaat	cactaatcaa	tccctaccgc	acatgcgggc	tcggaacagt	taaacaattc	180
attcggaatg	tccgatcggc	caagacgatt	gccgatgaac	gagcagtgat	ccaaaaagaa	240
agtgccgcta	tctgtgcgtc	gttcagagaa	gagagccatg	attcggggagt	cgggtcagca	300
aacaccagac	accagcacct	ttaa				324

<210> 14509

<211> 198

<212> DNA

<213> A.fumigatus

<400> 14509

ttaacacaga	gatataggcc	tctatctagc	ttctttataa	agagtactag	tactgtctgct	60
aggctagata	attccctaata	ccaccccttc	ttaagtattt	tattaaggta	tttacataga	120
gcctctagct	ctagctataa	tatagtaaata	aaggggctat	atagcagtgat	cttccctatta	180
agtagctata	tcttatag					198

<210> 14510

<211> 273

<212> DNA

<213> A.fumigatus

<400> 14510

gacggccagg	atcagcccac	cttcggacac	ttccccgtcc	atatgggtcga	gcatatcagc	60
gagcatcgct	acccggccga	ggaagtgcac	acgtcgtctt	ctcccatggg	ctttccctgg	120
gacaggatga	aggatcggaa	ggaagagacg	gagggtaata	gggccactca	gcgctatctt	180
aaagacgaag	gtcgagaagg	taagcccgtc	tccggcgcta	tgcgctcctt	cctgcacatt	240
gggctaacgg	aggggggggg	aaacggtcag	tga			273

<210> 14511

<211> 615

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (559)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14511

caggaacctg	gtgctcttgc	aggcccatcc	togaatatcg	ccttttttgcg	gcacctgtcc	60
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actgcctatg	atggcggtcg	cgtcagcgcc	actcggtcgc	catcaccgtt	gtcgggctgc	180
acacccacat	ccgggcagcc	cgggctcgtg	acaaatcttg	ccttgccatc	gtccgaggag	240
actttacagc	tgattcgccg	gtatttttat	gagacgggat	tgctgttccc	gtacatccac	300
cccccgacct	ttcttgagac	atatgacgaa	ttcaagaaca	atgccaagaa	agtcgcgcga	360
acctgggttag	gcctactgag	catcatgctg	gccatggcga	aggtgaccgc	cgtgtccggc	420
catgccccgg	cggaatcacg	gatcaaagag	tccaccgtct	actatcgaca	ggcattgaac	480
ctgtgccggg	gcgagatgct	ccgagggacg	actctggaag	tcgggtgggtt	gatactctcc	540
tctgccgacc	ttagcgtant	atcaactgac	ctctcctgca	gtgcagtatc	tcctactcat	600
gggccaatat	ctcca					615

<210> 14512

<211> 372

<212> DNA

<213> A.fumigatus

<400> 14512

gcccgccttcc	ggcgctatgc	gctccttcct	gcacattggg	ctaacggagg	gggggggaaa	60
cggtcagtga	gtcgtgttct	gggaggcagt	gcagagaggc	tgaatgcggg	cacgtcgtcc	120
ccgcgccggc	aagacaccct	gtccgctgtt	taccatgtca	tcaccggcaa	gggttgctct	180
gaggtcggag	atcaaacgct	agaatggaag	gcgggagaca	ctttctgtgt	accctcctgg	240
catgcctacc	agcattttgc	tgatccgggc	gaaactgtct	atctctaccg	cttcgacgat	300
aagccgatga	tcacggcgct	gggcttctat	cggtcagcgg	aggatgattc	tgaggaacta	360
atctctgact	ga					372

<210> 14513

<211> 294

<212> DNA

<213> A.fumigatus

<400> 14513

tttcgagtta	gactgcagct	aatagaggaa	tggatagata	tatccatgga	ccacaaatat	60
atacctagtc	agggcaccgc	tagcattcta	gccatgccac	taggatattt	atacatttca	120
tttattatca	ttattggtat	cattattact	atcttcattt	acgtatctgt	cagccctagc	180
ggccgagtgg	cggcaggctc	tgccggcggc	tgggtaggcc	gctactatct	tataagcact	240
agatctatgg	taggcttaat	tgccctcta	ccccgcgaga	tatacctagt	ataa	294

<210> 14514

<211> 288

<212> DNA

<213> A.fumigatus

<400> 14514

atagcctcct	ccctgtctaa	tacaaggaaa	gacaaagatt	acatttggtta	tcaagtgatc	60
tactacttcc	tatactaccc	tgacttaata	ccctatcctt	ctatcggtcc	taattcttgc	120
ctagtcaaca	ggctgatcta	ccctgccttg	tggatcatct	tttaccatga	ggtaccattc	180
ccaggcaaga	aattgcacat	tacgcaacta	aaggtaataa	acttcgtcag	agcacgcccg	240
tttcagtcag	agattagtcc	ctcagaatca	tcctccgctg	accgatag		288

<210> 14515

<211> 354

<212> DNA

<213> A.fumigatus

<400> 14515

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atcatcacct	ctaggaacag	tattagtccg	accctagtta	gcattacggg	cctacccttt	120
gacgcaccaa	gcggtacttc	tgtagcagcc	tcctatatgc	aaatagcaag	atggcatcaa	180
tgctacccca	gcaaccaaac	caaccgcaac	accgacgcag	acatgagcta	ctcctgtgga	240
aaatttggtg	tcattgagtt	ggtagtagct	tcctcggaag	tggttggtgt	aactgtgaaa	300
gctcattgta	actacatgga	tgcaagacac	ctggtaggta	aatctgctat	gtag	354

<210> 14516

<211> 789

<212> DNA

<213> A.fumigatus

<400> 14516

tgcagctcca	agccaaagg	cggcaagcca	gcaccaccca	aaccgatgc	cggcgagaca	60
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ggaagcaaga agcgccaggg cgatacaact gaagacacaa agcagtcttc gcggaagaag 120
attgctgggt cttcgactcc gaccgaggct gataatgggt cgacatctac cgcgtctaata 180
ctgaagattc tgccggggga gaaattgtca gactttgttg cgcgggttga ccgcgagatg 240
cctatatcgg ggatgaagag atcgggggaag ccggcgccgg cggacctacc taagctgcgc 300
gaggggcggc agacgaagca cgagaagcgc cttcgtcgat tacaggagca gtggcggaag 360
gaggaagcgg agatcttgga gcgtgaggcg gccgagcggg aggagcggga ggccgagttg 420
gaggaacagt tggagttgtg gaaggagtgg gagatggagg ctgcgcaggc caaggcaaag 480
aagaaggcgg ctgccgcgaa aagaaagaag aagggcgatg gtgctctgga tgatgatggc 540
ccggatccgt gggcgaagct gaagaaacgg gatcggatga acaaaccggc gaacccttc 600
gaggtgggtc aggcgccgcc gcaattgacg aagccgaagg aggttttcaa ggtccgcgga 660
ggagctcgag tcgatgtcgc gaatgttcct gctgccgtgg gaagtttgag acggagagag 720
gagttggcga gcgagcggag gactatcgtg gaggagtatc ggcggttgat ggctgaaaag 780
cgacgttga 789

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<210> 14517

<211> 183

<212> DNA

<213> A.fumigatus

<400> 14517

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gtttctatca accacaacca caaccaacag aataacaatc caccatgcct cacaagcata 120
agagaagaaa aaatgacgcg aggtgcgtat caaagtacat ataatatcat atacctcgc 180
taa 183

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<210> 14518

<211> 291

<212> DNA

<213> A.fumigatus

<400> 14518

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tcccaccaca gcctctacga cctcccaccc accctgattg cgaagcctct cccgactcgc 60
gatcccaacg ccccaaaaac caaaggcaaa aagcccgcac ccaagtctaa agccccaag 120
aagaaagaaa gcctctcggc ttttgcccg tgcgaatccg agctggatga tgacaccccg 180
cgcgcccttc gtcggctgat gcagctccaa gccaaagggc ggcaagccag caccacccaa 240
accgatgcc ggcgagacag gaagcaagaa gcgccagggc gatacaactg a 291

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<210> 14519

<211> 1617

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (30)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14519

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gtgaagactg aaggtccatg tcgctgccgn ttgagaccga gaaagggtcg cttagatctt 60
acagccaagc aacggtctag caagctgtct ttogaagata tttctgttgg catgattctt 120
cccgagcagag tcacgaaggt cacggagaag caggttatca tgcaactcag cgacacggtc 180
gtgggtgcgg tcaatctgat tgatctggcc gatgactact cgaaggcaaa ccctaccgtt 240
taccataaga acgatgtgct acgtgcttgt gtggtgggtg ttgacaaagc caacaagaag 300
atttcctctc ctctccgccc gtcgaaagtt ctaagttcct cccttcgggt ccaggatccc 360
gaaatcactt ccatgaagca actcaaggtc aatgatgtgg ttcgaggatt tgtcaagaga 420
gtcgtgata gcggtctctt tgtgactctg ggccacgatg taacggccta cgttcgtgtc 480

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tctgacctgt	cggattccta	cctcaaggag	tggaggact	ccttccaagt	cgaccagttg	540
gtcaagggac	gggtgactgt	cgttgatccc	gagcaaggca	gattgcaaat	gagtctcaag	600
gaatctgtct	tggatccaga	atacaaggca	ccgatcacga	tgcacgacct	caaagtcggg	660
cagtttgtca	ctggtaagggt	tgcgaaagta	gaggaattcg	gcgccttcat	tgtcatcgat	720
cggtcgccca	acattagcgg	tctatgccat	cgtagtgaag	tggctgacaa	acgagttgac	780
gatgcccga	ccttgtagca	ggaaggcgac	ctagtcaaa	ccaagatcat	caagatcgac	840
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ggcgggtgtcg	acgtagaagg	tagtgacgat	tccgaggacg	acgacgatga	tgatgaatct	1020
atggggggcg	tcatcttga	ggaagacagt	gagagtgatg	gtggggagag	cgatgaggat	1080
gtggagatga	ccagcgacc	tgttaaaaga	gacggggggc	tcggtgcaac	aggctttgac	1140
tggagcggaa	acgtcaaaga	cgatgagaac	gaagcgatgc	agtctgattc	cgacgatgaa	1200
gacaactctc	ggaagaagaa	aaagaagagc	cgcaagcctg	agatccagggt	tgatcggact	1260
ggcgagttgg	acgccaatgg	gcctcagtcg	gttgccgact	acgaacgggt	cctgctcggg	1320
gagcctgact	cttcgcttct	ctggctgaag	tacatggcct	tccagttgga	gctcggcgag	1380
gtcgagaaag	ccagggaaat	cgccgagcgt	gccctccgca	ccattagcat	cggccaggac	1440
accgagaagt	tgaacatctg	ggtggctttg	ctcaacttgg	agaacacata	cggcaatgat	1500
gacagtctcg	acgaggtgtt	caagcgcgcc	tgccagtaca	atgatacgca	ggagatctac	1560
gaccgcatga	cgagcattta	cattcagtc	ggaagaatg	aagtgagtc	cccctga	1617

<210> 14520

<211> 591

<212> DNA

<213> A.fumigatus

<400> 14520

atgctgaccc	aattgacctt	acagaaagcg	gatgagctct	tccagactgc	cctcaaaaag	60
aagatctcca	acacgcca	gttcttctctg	aactacgcaa	gcttcctgtt	tgatagcatg	120
gcggcgcccg	atcgtgctcg	ttctctgctt	cctcgcgac	tccagtctct	gccctctcat	180
acgcacgtgg	agcttacctc	taaattcggg	cagctggagt	tccgctcgcc	caacggagac	240
gttgaacgtg	gccgaactgt	gtttgagggc	ctgctctcct	cgttcccaa	gcgagttgac	300
ctgtggaacg	tactcctgga	cttggaatc	aagaatggcg	atgcggagca	ggtccggcgg	360
cttttcgagc	gcgtccttgg	tatccgggat	ccaaagaagg	gtgctgctgc	tgtgttgc	420
actccacgg	atgctagcaa	gaagcttcgt	ccaaagcagg	ccaagtctct	ctttaagaag	480
tggctgtcgt	ttgaggagaa	gctggcagct	gctaattggcg	gcgatgagaa	gatgggtggag	540
gagattaagg	ccagggcggc	ggattatgtc	aagtctctgc	agaacgcatg	a	591

<210> 14521

<211> 801

<212> DNA

<213> A.fumigatus

<400> 14521

gcattaccct	cgcagactgg	tgccgggtact	gcagcctcgg	tccacggcca	ggccgacctc	60
gggactctga	ccttgaacga	catgcgtgcc	aatgctgaga	tgctcgccaa	catttcgccc	120
tccactcccg	tcatcgctga	cgcagatacc	ggttacgggtg	gccaattat	ggctcgctcg	180
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cgcacccggg	cagcgggtaca	ggcgcggaag	cgcacgggca	gtgacatcgt	cgtgatcgcg	360
cgaaccgacg	cgtccagggt	ctatgggtat	gaggagagtg	tggcacggct	gcgggcggcg	420
cgggatgcgg	gtgcagatgt	cggcttctct	gaggggatta	cgtccaagga	gatggcgcg	480
caggtcgttc	aggatctggc	gccgtggccc	atgctgctga	acatggctga	gcacggggcg	540
acaccgtcga	tttcagcgga	tgaggccaag	gagatgggtg	tccgtattat	catcttcccc	600
tttgccggcaa	ttgggcctgc	tctgaccgct	atccgcgagg	gtatggagaa	gcttaagagg	660
gatggtctgc	cggggttgag	caaggagttg	acgccgcaaa	tgctgttccg	cacatgcggg	720
ttggacgaga	gtctcaagggt	agatgcagag	gcaggaggag	cagcgttcca	ggcgaggagt	780

gacttagagg ataaggagta g

801

<210> 14522

<211> 1584

<212> DNA

<213> A.fumigatus

<400> 14522

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tcagactcga	ccttttctgc	gaatagaacc	gactcaggtc	atcgtgttac	ttcgtccatt	120
tattctcggg	acacattcga	ccacagtcgc	cagcgtcag	ttacctggga	ccatcagaac	180
gatggcaggt	tttttcgaga	cccagaaact	gcctcagaaa	atctgagtgt	agagatttca	240
cctccggatt	cgcctatgtc	tattggtcgt	acatatcaca	gtcgaggtag	ctcacgtgtc	300
tcttctctcg	agtttgagtc	aaatccgacg	tccaacggag	aacacaacat	cacgaagttc	360
gcaagccatt	tgccaatccc	acgtaagcgg	gcgggctctg	cgcaacccca	caacagaccg	420
tcgacgcaag	gtctctcaga	tcagaatcgc	acagcacgat	gggatggttt	cacagatgga	480
ccgaccacaa	gccactcaga	taggtttgca	cccaaccttt	ccacagatat	ctcctttgaa	540
tcacaacata	cgggatcaag	caacgcttct	agatggatca	agggccatgg	tcattcaaaa	600
gagcagaaca	cagagggccg	gcaacgggtc	ccctcaaaaa	atgataatcc	tttttctcta	660
gcagtacgtg	aaccttgga	gggtccgagc	gggcgatctg	cgatgataaa	tcgatccag	720
gagaagccaa	aggagagatc	atcatcacgt	gttcatcatt	caaagaataa	cgatcgcaac	780
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cctagcaaaa	gtcgccagca	accatccatt	gcgaagaaac	cgatcagtgc	gactagcgat	960
gtcccacccc	gaatcgaaat	tccagtgcgc	actttggaaa	ccaccctcgc	tgagttgaag	1020
ctgtccaccg	gagatcaggc	tgatgcaccc	gtcagccgct	tcagtgcac	cacctgtgcc	1080
acaacggaga	gcatagccc	tacacctagt	cgctcgtgaga	gtgttgatgc	ggcttcccag	1140
tctacagaga	acgcaccctc	aatcatgtcc	cgcaaaagac	ccattcccag	tgccatggct	1200
ccggggaaga	aaccaagcag	gaagccaacc	ccgtcccagg	ctgacaatgg	caaggacctc	1260
cccccatgtc	caccagaaca	acaatctcaa	aaccgcattg	agatgctgga	agcaaggagg	1320
gacaaccttg	cacggcgtag	ggcaaacatt	aacacaatta	ttcacgaact	gaccaggtc	1380
atccagccta	gctccatcgc	ttacgacatg	gctgcccgcg	acgaggtcaa	aaagactgtc	1440
gccagtctca	acaacgaatt	agcggatatc	aggagagagg	agcatgagat	tgggatgaaa	1500
ctattcagac	tttggaagaa	acgcgacgag	aaaaacttgt	atggtggaga	cagcggctta	1560
tgggtaaaagc	gggtgaccag	ctga				1584

<210> 14523

<211> 363

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (248)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14523

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gtcaagcgac	tgtttccaac	aatttctctt	tctaagactc	tctacacaat	gggtgggtgca	180
aagcagagaa	ggtacgtcgt	ccctctcccg	tggataatgc	gatacagtca	actaagttat	240
ttctcagncg	gcagggcaaa	acttttgaag	gcccccaaga	aggggaagaa	ggagcttgat	300
gaggaggatc	tcgcctttta	ggagagacag	agagccggta	tggtgtccac	ttgtggtcgc	360
tga						363

<210> 14524

<211> 570
 <212> DNA
 <213> A.fumigatus

<400> 14524
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 tctcattatg actgcatgac cttagcagag atgtcctgcg gcgtctccgc tcctgaagct 120
 gttcgggtata catcgcgatt caatgctcgt cccgaactaa acctagtcac tcaattccag 180
 catgtagagc tcgactgcca cgatggcgac aagtggatgc tgcgggaatg ggagctcccc 240
 gagttgaaac gaattatcaa cgagtggcaa gaaacattgg tcaaaaatgg gggatggaac 300
 acagtctgga tggagaatca cgatcagcca agaggcatct ccaggttcac taccaacagt 360
 ccgcgatttc gggccatgtg tgctaaattg ctagctttat ggcagttcac gcttcagggc 420
 acaaacctca tcttccaggg gcaggagcta gggatgatca acccgggact cttttcggaa 480
 gatatgaatc aagacattga gacgatccag tattggaagg cgtacgtatc acttattctg 540
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<210> 14525
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 <212> DNA
 <213> A.fumigatus

<400> 14525
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 ctcttttggg ccccatctt gatttcttcc aaaacaccaa aaaagtgttg gattgaatgg 180
 attctcccc caattttctt cctttgttgt ctgcctcct tcccc 225

<210> 14526
 <211> 258
 <212> DNA
 <213> A.fumigatus

<400> 14526
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 atgcgcgcga tggagcgcca agaagacgct agtttgcaac ggctcaacga gcagctgcag 180
 gcgatgatta aggaaggga acaagccttg ggaactcgcg ttgaggtgga cgatctagat 240
 ctagacgagg attattga 258

<210> 14527
 <211> 231
 <212> DNA
 <213> A.fumigatus

<400> 14527
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 ctcatctcct tcgttgttgt tttgcgggtc agcggcctgt ttaagtcgga cctacagccc 180
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<210> 14528
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 14528

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aagatgcccc	ttgaaggctc	tcctcaatat	cagttttcct	tcctcactca	atcacgagaa	120
cccttcacac	cttgcccttg	cagagacggg	ccgcagcgag	tcacagacgg	taacgcgagg	180
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<210> 14529

<211> 330

<212> DNA

<213> A.fumigatus

<400> 14529

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tacgcagttg	gaacgactag	gtctcatagc	tgcgctggag	gcctgtggat	ggtggatggt	180
tccaatcccc	cgaacccaat	atcaccgggc	tgtgtgaacc	aggacggcta	tgtgcatgac	240
ggtaagccgt	tgctgtctct	gacgttccg	tgccatacta	acagccacag	cacaatgtgt	300
aatctacaag	gggcccgcga	agaagtataa				330

<210> 14530

<211> 351

<212> DNA

<213> A.fumigatus

<400> 14530

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cctgatattg	gaagtcagaa	gtgcgtcaat	gggaaagcag	gagagtattc	gtgtgagaat	240
gtcgaccttc	ttggcttcc	cagtcacag	gctatgggca	gcaagaccgc	tgagggcaat	300
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<210> 14531

<211> 639

<212> DNA

<213> A.fumigatus

<400> 14531

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gtctccaaca	agaaatcccc	ggcgcaaatc	tccaagactc	cctacgctgg	ctctagctac	180
actcatcagg	gctgggttac	tgacatggag	gacatgtcgt	atctgctgct	tgatgacgag	240
ctcgacgaga	aggacggcac	tgagtgggcc	gccaacgggc	atactacaac	ctatgtcttt	300
gacatccgca	atcttgccaa	acccaagcat	actggaacgt	accagtcccc	cgtcaaatcg	360
atcgaccaca	accaatacgt	gctcaacggc	ctctcttaca	tgtccaacta	cagcagtggc	420
ctgcgcatcg	tgatgtcag	atctgtcact	caggatccca	ctggtgccaa	gttcaagcag	480
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ggaagctgga	gcgtttatcc	ttacttcaag	agcggcaaca	ttctcctgaa	cagcattgaa	600
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<210> 14532

<211> 267

<212> DNA

<213> A.fumigatus

<400> 14532

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4550

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accgtcgggg	cacctgttt	aagggcctgc	tcgacaagga	ttacatactt	agattgtacc	180
tgtagcagat	attgtgagcc	tcgcgttacc	gtctgtgact	cgctgcggcc	cgtctctgcc	240
aaggcaaggt	gtgaagggtt	ctcgtga				267

<210> 14533

<211> 1176

<212> DNA

<213> A.fumigatus

<400> 14533

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gctcggagtg	cgcggaatt	gaactgccag	tcagaaagg	aaactggatt	gatcgaaaaa	180
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gcgagggctc	atggtcattc	ctggttttca	caacgttcta	ctcggcctgc	aacacaacgg	360
gaccatgtgc	ctcaggtctc	tcaccagaga	gtcagagcta	attctcattc	actacactca	420
ctgctgcctt	cccacgtctc	actctcatct	tccctcttct	tctctcctcc	ttctccttcc	480
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aaccggttca	gcagaccacc	ccctcagaaa	gatttctggt	gccatgggac	gtaccccatc	1020
acactctcag	atgggaaacc	gacattcgtc	tcaattaccc	tcgatctcaa	acggccagat	1080
gttcagattc	agagtctctc	tcgtccta	aat	acgatgtatc	ctgctgaggt	1140
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<210> 14534

<211> 765

<212> DNA

<213> A.fumigatus

<400> 14534

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tacgttttgg	tgattaactt	cgaattttac	ttcttcctcc	ttcaattcga	aactaatggc	180
tttaccctag	gccgctggaa	cgcgtttaga	ataacatata	ccgaagctct	cagcaagaaa	240
gatgaggaaa	gattcgaatt	gttttgcaac	atthttgaacg	actacaatat	tgccattgag	300
aatactaccc	ggttctcagt	gttggaccag	acgcaggaaa	gacctccacc	aatttggaga	360
tggttgact	tcgcagacct	acaaggctcc	aagaagatag	tatcttctgt	ggaagaatta	420
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catgacccca	tgaatctctt	cgatctcaag	ttcgccaaag	gttcaactcg	cgctaagata	660
ccatcttact	gttgctacat	gcggtcagcc	agaattacac	ctaccacgat	ctactataac	720
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<210> 14535

<211> 201

<212> DNA

<213> A.fumigatus

<400> 14535

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aaaattgcgg	tgtcagaaca	attcatcagg	catacaaaat	tgcgtgttca	aagtataaca	180
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<210> 14536

<211> 306

<212> DNA

<213> A.fumigatus

<400> 14536

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gacgcagctg	cggcaataca	gggactaagg	agcttctcga	agctttatcc	ggcctctgtc	180
gcatctggag	cgctacgacc	gttgatcaac	agcctgagaa	atgaccgaga	agatgtggac	240
acgatcaagg	tggtcttggg	gactttgttg	atgctattct	cccagatga	gagcagtgtg	300
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<210> 14537

<211> 357

<212> DNA

<213> A.fumigatus

<400> 14537

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gaaaggacac	aggaatgtat	actaaccgcc	ccgctgggta	ttcccaggct	tgtcggtgcc	180
ctgggggata	gcagggaacc	aattcgtaat	ggtaagctgc	accgggtttg	gattttctat	240
aatgctcgag	tgactcatcg	tacgtgcgcg	ttttacagaa	gcattacttt	tactcattgc	300
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<210> 14538

<211> 2025

<212> DNA

<213> A.fumigatus

<400> 14538

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gtcgcgaacg	gtgttcagcg	tgtaaacgta	atcgaagcat	tgcttaaatt	gagtcttgaa	180
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agcgggcagg	atcaaattcc	gaatatcatg	actgttctgc	tcgtgccgcc	tgatgctcga	360
ggaaattccg	atccttacca	agtgtggatt	gcgtctgtct	taatgttcca	cttgctgttt	420
gaagatgctg	aggcaaaggc	gatagccatg	caagtgactg	agggcgatgc	tgaaagcggc	480
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gactacttat	ctaagctttc	agagctggaa	aagcgggtga	agctggctga	gagcaaggca	1920
gaaaaagctg	aagcagatgc	gctcaaattc	gctgaaacgc	tcaaggaggt	ccaggcacaa	1980
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<210> 14539

<211> 564

<212> DNA

<213> A.fumigatus

<400> 14539

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atcgagaatg	agggtggttt	gatacatgga	ttagaggctg	tggaaagattg	tctatctttg	180
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acatccaagg	tttgtgcttt	tgagttttcc	aggtacgact	catcggttga	cctatctagg	540
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<210> 14540

<211> 228

<212> DNA

<213> A.fumigatus

<400> 14540

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cctctcatat	tcagcggagg	tttccttgag	ctggttgctg	atagctcgaa	gctgatcgcc	180
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<210> 14541

<211> 537

<212> DNA

<213> A.fumigatus

<400> 14541

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ccgcaacacg	tggacgcgaa	ttcccggatg	atttgcaaag	aatgccttga	tgcactcgct	180
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tgcttcgatt	acgtttacac	gctgaacacc	gttcgcgact	ttgtcccat	tgacaacgcc	300
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cgagtttccg	cggatcaaat	cggcgcatgt	agccaacgcc	tagataggtc	aaccgatgag	420
tcgtacctgg	aaaactcaaa	agcacaaacc	ttggatgtca	cgttaacatt	gaacttctgg	480
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<210> 14542

<211> 330

<212> DNA

<213> A.fumigatus

<400> 14542

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gttgacatca	ccaaacccaa	ccccaatgga	gaagagatgg	ataatctcta	cttggatatg	180
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gagatgatgg	tggaaatctt	caagtacact	gaccgcgtgg	tgaacatggg	ccgtcccagg	300
aagcttctga	tgattgctgt	tggtatgtga				330

<210> 14543

<211> 294

<212> DNA

<213> A.fumigatus

<400> 14543

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actgacatac	tccacctcac	caacgccttc	ttcctcttca	tcctcaatct	cttcaccgtc	180
gtcgagatcc	tcattccgct	caccctcacc	tgtgcgctcc	agaccgcgca	ggaccttttt	240
ccagatcccc	tcctcaacat	taagcggccg	gtcaccgtac	gcgccgctcc	gtaa	294

<210> 14544

<211> 450

<212> DNA

<213> A.fumigatus

<400> 14544

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atctcttcac	cgctcgtcgag	atcctcatcc	cgctcaccct	cacctgtgcg	ctccagaccg	180
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gccttgcgct	ctctcgtctc	ctccctccgc	cggatcttag	gcgccagctt	cggcacaatc	360
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<210> 14545

<211> 945

<212> DNA

<213> A.fumigatus

<400> 14545

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gaacgagccc	acatgccag	caagctctgg	gagcggatca	gattatcgtc	caactacgcc	240

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tatgtcagtg	atcttgagga	cgacgaggat	ctcgaggata	tcgaggactg	gttgggtgga	720
gactcggccg	acgactcgag	tgattatgat	gatgacgagg	aggatgagga	cagtgcagag	780
gagagcggct	cagaggaggc	gtccagcgat	gaggagacaa	agaaacccaa	gcctggggcc	840
aagagaaagc	gtgctgcacc	acaagtgaag	cctcggaaga	ggggtcctcg	ggtcgagatc	900
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<210> 14546

<211> 264

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (7), (10), (11)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14546

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attgaggagc	ttgacaacat	tcgcctacga	gaaattacag	ggaaggctat	atcgggatct	180
ttattgctca	tgttgaagtg	gttcaagaga	tctcgtaagt	tacaagttcg	aggcctatgt	240
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<210> 14547

<211> 891

<212> DNA

<213> A.fumigatus

<400> 14547

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ttctttcact	tttgtcatgt	tcattctgat	caaccgccga	attcagccga	taactcagag	120
gaggactcgt	caccgagtga	tgatgaagct	gtgccccgcg	ctattcttcg	gcaccgtcgt	180
gacacggatc	ctggcacctc	ctcagtgcga	ccaccgtctc	cccaggaggc	tctccctgag	240
ctggtagaac	gcgctcatcg	tcttgaagtt	gacgaattgg	gattcccagc	agccctccg	300
ccgaaagagc	ccatcacggg	gttctcgttt	cggaacttct	tctctgccat	caattacctc	360
cacatcatgc	agaagatcac	ccgcgacaag	gcacacagat	gtctgctcct	cgttcagtac	420
aagtccagca	ccatcttacg	aaaggggctc	aagattcctg	atcctcactt	gcgattctac	480
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ggatttgcag	gtgaggaaat	gatgaatgag	gaagcggaaa	tggctgccaa	cggggtcatg	840
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<210> 14548

<211> 195

<212> DNA

<213> A.fumigatus

<400> 14548
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 gttcaccaaa ttcaatcggg ccaggtgatt gttgatctgt gctctgttgt gaaggaattg 120
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 agatatgccc ggtga 195

<210> 14549

<211> 315

<212> DNA

<213> A.fumigatus

<400> 14549
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 ggtaagcttt cctttggtga atattccaaa tctgatcttg aagttttgct tacctttggt 180
 agctctgaaa cattacacat cgaaactctc gtcttacgag gatctctccc gcttacacac 240
 tttcggtttc cgaggcgaag cactctcgtc cttatgcgct ctagccgatt tccgcatcgt 300
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<210> 14550

<211> 1299

<212> DNA

<213> A.fumigatus

<400> 14550
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<210> 14551

<211> 1011

<212> DNA

<213> A.fumigatus

<400> 14551
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acttcccaac	tccctaaggt	gacggacgag	gagcaagaat	ccccgcgaga	cgccgtagag	240
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gcctttgcag	ctccaggatc	gcagatacag	caagctagca	gcgttgaggc	cgaggaggag	600
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<210> 14552

<211> 855

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (81)

<223> Identity of nucleotide sequences at the above locations are unknown.

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ggaacgggggc	tgggaaccgc	ggttctggcg	accgggttatt	ctgatgactt	tgatcacgct	180
cttaccctctc	aaactgaccg	acatcactct	cgtgattatg	atgatcatga	acagggacac	240
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ggatacacat	cagacgaaga	tcttaagaac	taccaccgcg	aaccttcagc	tcggcggcaa	360
cccgttggtt	ccgactcatc	ttctggtgga	cgcaaagacc	cgggatcgca	gtatttgacg	420
gtcgagaagg	cacataggcg	caggagctca	cgctcgcggc	gtcatgggga	gaatggctcc	480
ctaagaaatg	agacgagtgg	acgcgaatcg	gccagcagcc	aggaggattt	gaagaaaagc	540
aaagatccgg	acgctcctcc	aaaggggatt	ctgaagccac	cccagacaaa	atttcccag	600
gagcctaacc	ctgtcaggga	gggagtggca	ccactgaaag	atgcccataa	aaagggaatc	660
cctcctggag	cgcgatggac	caagatcgat	cggcgattgg	taaatccagc	cgctcttgaa	720
gctggaaacg	agcgttacga	agaaagacct	gattatgtca	ttgtcctgcg	tgtgttgacc	780
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tcgacatggt	attga					855

<210> 14553

<211> 255

<212> DNA

<213> A.fumigatus

<400> 14553

agcccacgca	agaacagaat	gtatcttgtg	agaaatagat	ttttcaatgt	gtctctctgc	60
cctgccttaa	acctgaccaa	tactagccca	ccaaaagcaa	acattacctc	gcgcctgacc	120
gagctacgct	tgcctgaagg	atatctaggt	cctcatgact	ccttccgcaa	accggccatt	180
tcggaatcaa	tacagaatag	ctcacgagaa	ccagctcaag	gatgggtaca	tcatgcaact	240
ggacagcttt	actga					255

<210> 14554
 <211> 3156
 <212> DNA
 <213> A.fumigatus

<400> 14554

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gatecaaaaa	tgtgttctgc	cattgacttt	ggtcgaatgt	gcgtcacctg	gggtctgtcc	180
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gacacagatgg	ttcgacttga	gccaaagaagc	ttggattttcg	atgattttcga	aagcatcaaaa	3060
aaatttcggaa	gcgtcatggc	cactacattg	actaagaagt	cttctggtgg	gtcttccgcg	3120
aaagacaagg	agcaacttga	aatcgactac	tggttaa			3156

<210> 14555

<211> 2412

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (53)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14555

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aacagtcgag	aattttgcct	tgcgactgaa	cgagccgtgc	agcgaagcgc	gggaaacaag	240
gagaactatg	ctttggaaca	cattattgaa	gtcgcgaaaca	agaacccgga	aatctgcgtt	300
gtgctagacg	gacaagggtca	tatgtctgca	tgggctttgg	aggatgttgg	gtccaaggcc	360
aagtcaaaca	tggccgcttt	caacattctt	catgtcgaaa	acattgattt	ctccttcatg	420
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<210> 14556

<211> 312

<212> DNA

<213> A.fumigatus

<400> 14556

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attctacagg	gtctgtggcg	gatggcaa	at	tgccaccgcg	aacaagggtgc	180
ttacttgcca	atgacttcca	agaacctcga	tggaagactg	tagctctgaa	aaacgcttat	240
gccctgcttg	ggaaacggag	gtttgggtatg	gtcttctctgc	acacgccccg	aattgaagta	300
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<210> 14557

<211> 282

<212> DNA

<213> A.fumigatus

<400> 14557

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acgcgtgcgt	acgaaggaga	caatgggccc	at	ttttgagag	aaatcctgga	180
ttgcccgaag	ccgcatctga	cggaatcga	tggaatggctt	cgtgggcctt	ttggatgcta	240
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<210> 14558

<211> 411

<212> DNA

<213> A.fumigatus

<400> 14558

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tcactacaag	cgaagtcatt	tttatccaac	gatccgcct	tggtcgtttt	gtacaaacaa	120
ctccgggaaa	agaccttgca	aacactgaaa	ggggcttctc	aagtgtcagc	ccgagcagaa	180
tgggatttta	tcattccgcaa	tgcccgccctg	tacgaccgca	tgggatgcga	ccttcttgcc	240
ctggaccttg	tgcgccattg	ggagtctctc	agcgtgcctc	ccccaccgaa	gacgttgaaa	300
gacgtcacgc	acaagctgca	ggaaaacggc	gtcgattacc	gaaagatgct	tcgacgacga	360
agcagatctt	gtggtcgcag	atattcacac	tcgggctggc	ggtccaagta	g	411

<210> 14559

<211> 393

<212> DNA

<213> A.fumigatus

<400> 14559

ctcgattatg	aatcagccat	tcggcaccag	gacgagccgg	gtgtccttcg	atctcgcgac	60
tacttcaaca	ctttgatcaa	ggaacagatt	gataagggca	tcaagccctc	acggattgtt	120
ctgggtggct	tctcccaagg	agctgccata	tctgtcttta	ctggtattac	ctgcaaagag	180
aagctcggcg	gtgtcttcgg	tttgtccagc	tatcttgctc	tcagtgacaa	gctcaagaat	240
tacattccgg	agaattggcc	gaataagaag	acgcctttct	tcctcgtctc	tggcttgga	300
gatgaaatcg	tgctgttcga	cttcggtgat	ctgtcggcga	agaagatgaa	agagatcggc	360
ttggaggatg	tcactttcaa	atcttatccg	tga			393

<210> 14560

<211> 654

<212> DNA

<213> A.fumigatus

<400> 14560

caatcaagca	caggcggaat	cacccaagag	ctggaaatca	agggccacaa	attcgtattc	60
gtcaatggac	gactaaactc	cccgcctgaa	gctggtcgt	atacaatgac	aagaatttca	120
atctgttaca	actctagtcc	tctaacccaa	atcacagaaa	tcgaaggcat	tctggacggc	180
ccgtttctact	gccactacct	ccgcgacatt	taccccgag	aagacctcgc	ccgagcattc	240
gagtacactc	tcaacatcat	cgagaagcaa	ggcccccttg	atggcgtgat	gggtttctcg	300
cagggcgccg	cgcttgcatg	tgtctttata	gcccaccatg	ccaaaaccaa	ttcgaagcct	360
ctcttcaagg	ttgccgtgtt	tatctgcggt	gcgacaccgt	acgaaagctc	tgggcttaaa	420
gagcttgtgg	ccgaggacgg	gaaatacccc	gtcacgatcc	caacgacgca	catagtgggt	480
aggcaagatc	cgtattacaa	gggaagtatg	catctgtacg	gcataatgca	cccatctaag	540
gccgtttttt	acgaccatgg	ttcaaaagcat	catatccctt	tcgaccaggc	gaatactgct	600
gccatggtat	ccgccattga	aaaatccctg	aatcgggctt	tgaataacga	gtag	654

<210> 14561

<211> 624

<212> DNA

<213> A.fumigatus

<400> 14561

cttggggagt	ggatttgcag	tctggctcac	aaaggttgtc	tagttaagga	agtatcacat	60
agtcctcgtc	ggctcgatat	ttgcatagca	ttcaacagcg	ccctagggtc	ctctctccca	120
tcagggggcgt	cctcagagat	cgtctctgca	ttcgacttgg	acaaagatca	cgtcccactt	180
gtcctcctca	actcagtcta	ccttgcctgg	tttgcagtag	gcccattagt	ttttgggccc	240
ctgagcgagt	atctgggccc	acaaccctg	ctcatcgga	cgtatattgg	ttacaccatc	300
ttcacgatgg	catgtgcgct	ggcgctaca	tatgcttctc	tacctgcttt	taggtctttg	360
tgcggaatac	acgccgctgc	tcctaaagcg	gtgcttgggt	ggttgtattc	agatatatac	420
gacgaacacg	gggaacgggg	aacagctatg	ggtttcttca	tgtcatgag	aacattaggg	480
ccgcagctca	gccccattat	atcgggctac	gcggcgctgt	tgtcatggcg	gcgggtattt	540
cgggtcgcgt	tggtgatagc	tggaggtggg	atgcccgttg	tcctggtgct	accggagaca	600
tacgggcctg	ttctggttaa	ttga				624

<210> 14562

<211> 951

<212> DNA

<213> A.fumigatus

<400> 14562

atgattgaag	cttcttgtct	tttttctccc	ttactgcttc	tgatttccag	cgccatatca	60
aataacctga	tgatgaagtg	tttggatccg	cgcgctgactc	tactttccaa	gaacctgttt	120
agagcaaata	gctacgccat	gcattcgacc	acccccgtcg	agagaaatcc	atcatccact	180
ttacgagatc	gggtacacat	tcttgggctt	gggagcatcg	gaacttttgt	tgccatttca	240
gtctctgaaa	tccccaacgg	gccgtcggtg	attctcctgc	tgcacggag	atctcttctc	300
gaccactatc	gccagaatag	gaatcagata	ttttttgagt	cacggcatgg	agtccatcaa	360
agctccaccg	gctatggact	tgagatgacc	caggacaacc	agtggtatcc	tgtgtcagat	420
gaatcgccgt	cggattgccc	catcacaagc	cacatatoca	acctcatcat	ctgcgtcaaa	480
gcaacacaga	ctgtctccgc	gctgcgaccc	ctcgtgcac	ggctgaactc	gacctccaac	540
atcctctttc	ttcaaaatgg	ctctggcatg	attgaagaag	tcgacgcgca	tctcttccag	600
gacctattaa	cgcgaccaa	ttacctatc	ggtgttatct	cgcatggcgt	tacacttaac	660
agtcctttca	atatcacaca	tactggattc	tcggcgacgt	ctatcggtcc	tgtcccccg	720
gatgatggaa	ggtacgcggc	catttcagac	ttgcgatcca	attatcttct	gcaaacgctg	780
cccttgtcac	cgacacttaa	cctgaaatcg	tacccttaca	ccgaaatatt	gcaagtgcga	840
ctcgagaaac	tcgcagtcaa	tgttttctgc	aacccgctat	gcgcgctcaa	tgatgccaaa	900
aatgagtttc	tctttcagcg	tcccagacac	gcgacgggct	atcctgactg	a	951

<210> 14563
 <211> 441
 <212> DNA
 <213> A.fumigatus

<400> 14563
 aatcgtaccc ttacaccgaa atattgcaag tgcaactcga gaaactcgca gtcaatgctt 60
 tctgcaaccc gctatgcgcg ctcaatgatg ccaaaaatga gtttctcttt cagcgtccca 120
 gacacgcgac gggctatcct gactgagatc tcgaatgtag tacttgcctt gcctgagctg 180
 aaaggcgtgc aaggattgga agaacggttt tcagtcgcca ggctcgagaa gacagtgaat 240
 gatattatcg ccaaaaccgc gaatacgaca tgctcaatgg tatgggatct ccgcgccgga 300
 cgggagacgg cgatccaatt tatcaatgga agctggagtc ggatgggaaa aatgggtggg 360
 gtggacacac ctgtaaacga tgctttgggt gaacagattc agatgagagg ccgagaaaaat 420
 ctagagatga gcgaccaata a 441

<210> 14564
 <211> 357
 <212> DNA
 <213> A.fumigatus

<400> 14564
 ccagcctgt atagaatggt tgtctcgtc ttctggcttg gctgggcctc cctttcagtc 60
 gtgaacccaa ttgtcccat ggtggccggt ttttctctcg caattggctt cctcttcttc 120
 atcgcaatgc tcaactatct caccgacgcg taccagcaga actcagcttc ggcgaggca 180
 gcagctagta ccattcgtc aattacagcc tggtctttgc cgctggctac gaagagcatg 240
 tacggaaatt tagggatcca ttgggcgaat ttcgctgttg ggatttgttg ccttggcgat 300
 ggcggtgatt ccgttcattt tcgtcagata tggagaatcg ttaaggcgga agagtaa 357

<210> 14565
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 14565
 ttctttctc cttattgttc ctcaaaccat tctgttgaca cccatgacaa cctatatgtt 60
 attctgggag ataaaaactc tttcacactt caaaccgcgt catcctctac catttctct 120
 cccttgattt cttacattat tgccaccagg gaatttccct ttcccaccg aacactgcat 180
 attacggtcc tttttccgc c 201

<210> 14566
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 14566
 agcgcgtggt accgtgacaa taccgaacgt gggtatttta ctccccacaa aactggaatt 60
 aattctttcc tccttattgt tcctcaaacc attctgttga caccatgac aacctatatg 120
 ttattctggg agataaaaac tctttcacac ttcaaaccgc ctcatcctct accatttcct 180
 ctcccttga 189

<210> 14567
 <211> 576
 <212> DNA
 <213> A.fumigatus

<400> 14567

tcacccgaat	ctgttaagtt	atthttgtaac	ccggctaacc	acttccaggt	cgacgacgaa	60
gtcggcttca	ttcgccttcta	ccattccctc	tcttcggacg	gcaacgatga	gacaatccga	120
gtcttcgacc	gcggcgattg	gtactccgca	catggcgccg	aggccgaatt	tatcgctcgg	180
acggctctaca	aaacgacctc	cgtgctccgc	aacctgggtc	gcagtgagac	tggcgggcctg	240
ccttccgtga	ccatgagcgt	aaccgttttc	cggaattttc	tgcgcgaagc	actcttcaaa	300
ctcaacaaac	gggttgaaat	ctggggctcg	aatggagcag	gcagaggcca	gtggaagttg	360
atgaaacaag	ccagtcgggg	gaacctgcag	gacgtggaag	aggagctggg	cagtgtgggc	420
ggacttgcca	tggaatcggc	gccggtgatt	ctggccgtaa	agatttcagc	caaggcgtct	480
gaggcgcgag	gtgtcggggg	gtgtttacgc	ggatgcgact	gtccgggaac	tgggcgtaag	540
cgagttcctg	gacaacgatg	tctattcgaa	ctttga			576

<210> 14568

<211> 1578

<212> DNA

<213> A.fumigatus

<400> 14568

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aaaacccac	accttcccct	ggtggtagtt	tactatthttg	catacctacc	ttaccttctt	120
attaaccaca	tatgctccta	ccttactatc	atatctthttt	atcccaccat	tagtacaaag	180
gaaaccgcga	tgcgcgcac	ctcaagacaa	accgccttc	cccaggggca	ggttggtatt	240
cagagctttg	caagagcaac	taaaccaagc	tgtcacaagc	tgaagacac	caaaaagcct	300
gctgctgcac	agctccccgt	ctcgcttcc	aagaaaagaa	aactcaatga	gctcgaaaac	360
gtcgactgcg	ccacaggaga	gccccgccag	acaaccattc	cggaagaagc	tggcacgcct	420
tccaaaaccc	tccgcttcag	tcaactgtgt	gtctcgacgc	cccggagcgg	tcactatgcg	480
tgttcaaaga	ctgaggcgctc	gcctgcgcct	gcgcgcgcct	cctccccctc	gaagcgtggg	540
ggtgccagag	tcaaacgctc	taacagtctg	atagtcgtgg	agcgtccggc	ttgtgtggag	600
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gagggcaatg	gccccaggta	ccggcttgcg	aattacgggc	ttgggaagg	gtgtttggaa	840
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ttcgagcggg	tgggtggacct	gctgtgggag	aaggctgtgg	acgcggctga	tggggatgag	960
agccaggtgg	atthcttcga	gacgtggg	gtctcaccgc	ttcacgagtc	tctgactccc	1020
ttcactacgt	ttcgaaagg	ccagcagcgg	ctgcaggatt	tgaagggtgg	agtgatcaag	1080
ctgaagactg	agaagctgcg	agcggactcg	cagcctgaaa	ccccggccaa	gccgctggac	1140
gcgacgacca	cgctcgga	ggggcttctg	gagcggatta	agagcaagga	actccttcag	1200
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gcagaggaag	tcgtcgccgt	tctggctctg	cttcggcctg	tagggatgt	gggcagcggg	1320
ccgaaagctg	ttctggctgc	ccagaagaaa	ccgttccagt	tggagatgat	tgtgcagaac	1380
gttcaggact	ctctacggaa	cccaatatca	tcaaggagg	tggaaatgtg	tgtggaactt	1440
ttggctcgac	cagacattgc	tggacaatgg	attgaagtcg	ttgccgtgaa	tcaaattaag	1500
tcggtggtgc	tgaagtcttg	tgccagcgtt	tatcccaagg	agatcggtgc	gaaggtcagc	1560
aagttggaat	tggattag					1578

<210> 14569

<211> 207

<212> DNA

<213> A.fumigatus

<400> 14569

atgatgggtc	ttcatatgac	cctccgatct	ctttctthttt	ggatgtthttg	tgtcgthttc	60
gataccactg	gagcaaacct	gcattgtccg	cattacttht	cattatcagg	aagcatcatg	120
tacattagcg	ctgcatttat	tacctacata	tacatcctca	agtcactac	gataatggaa	180
aacatcaatt	cagggcaaaa	ctgttga				207

<210> 14570
 <211> 318
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222>
 (159), (173), (186), (208), (214), (237), (272), (274), (284), (288), (302), (305), (311)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14570
 agatttcagc caaggcgtct gaggcgcgag gtgtcggggt gtgtttacgc ggatgcgact 60
 gtccgggaac tgggcgtaag cgagttcctg gacaacgatg tctattcgaa ctttgagtcg 120
 ttgattattc agcttggcgt taaaaagtgc ctgggtcana tggatacaaa tangaaagat 180
 gtgganctgg ggaagattct ggctatcncc gacnactgtg ggatcgctat ctccganaag 240
 accgtggcgg acttcggggg tgaaggatat cnancagggt ctcnctcngc tgctcaggga 300
 cnaancgttc ngcggcca 318

<210> 14571
 <211> 363
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (315)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14571
 caaaacgtta tgtctctaata agatccatct cgaacaacaa caccctcgat gaggcagccc 60
 acgattccaa cgggcttgaa acttggcagc ttttcagtct tcaacgccag ctctggaacc 120
 gctctgcgcg atgtcactcc ggaagatgac agtattcatg ttactacga cggttctaac 180
 gatagtatcc tggggaaagt cgatgattct aactcagggt ggtatgacag cgccttctcc 240
 cagtcgggca tgaccggaag ccagggttgc gctattatct ggtactgac agccggttgg 300
 atatacgtat gtctntccag tagccataat ttgtgccagc ggtgtcggag tattagtatg 360
 tga 363

<210> 14572
 <211> 747
 <212> DNA
 <213> A.fumigatus

<400> 14572
 cttcagtga agtctgtcgt aaacaaggcg agaaccaagc cacacctcaa ggtcatgtgc 60
 ggcttctctc gacgatttga cgagtcctac cgtgacgtat acgacaagat cagccaagga 120
 ctctcggaa aaccttcaat ctcgcgcagc cagacctgtg ataagtatga tccttcggga 180
 ttttatgttg cataactctgc gtggtcgggg ggtgtcttcg tggacatgtc cgtgcacgac 240
 atcgacctca ctctgtggtt ctctcggtgat gacgtggtcc ccaagactat ctctgcatat 300
 ggaattaccg ctgtgcaacc ggagctgaag aagttcaacg actatgacaa tgctgtgggg 360
 attgttgaat tccacaacgg caagatagca tactactatt gctctcgcat gatggcgcat 420
 ggccaagaag acaccacaga aatcattggc accgagggca agttgtctgt gaactccaac 480
 ccgcagcgga acctggtgaa cttctaccat tcggggaggta ttactcgtga ggctccctcc 540
 aatttcatag gtcgcttcgg acctgcgttc gtgacggagg ccaatgaatt taccgcccga 600
 tgcttgagata acacgccact cccgatgaag ctaagtaacg ccgtcaaagc tggtgagatt 660

ggtgcatacc tccaggaggc tttggttaca ggcaagcaga ttcactttga cgagattgga 720
aggcgggtgg agagagccca gatttga 747

<210> 14573

<211> 447

<212> DNA

<213> *A. fumigatus*

<400> 14573

attctcatac	cgatatataa	tatattccct	acgtgcttgc	aatacttcaa	acctgataac	60
tccacgcagc	cagacatcgt	cgacgggatg	catctctata	gtatcacacc	ttggctactc	120
acctcgctct	gtaccctggg	gtctccgctt	tacacagaca	caggccaacg	ggggcgcgtc	180
attcaccagc	cagccctgcc	tccctcatac	ccgctggcag	taagaaatcc	atatctgtca	240
gcatggttgc	ccagccaccg	ggtacagatc	ctaccgtatg	ccgagccaca	gttctggggc	300
ggccaggacc	ttggctgggc	catcatgggtg	cgtgttgatg	atcagactta	tagtttgatg	360
ggcgtgaagg	accctgggaa	cgacgtccaa	ccgctgttg	tgcagggcgc	ggagtatacg	420
gcgactcatt	cggtgttcac	tgctagt				447

<210> 14574

<211> 906

<212> DNA

<213> *A. fumigatus*

<400> 14574

gtggcttggg	tctattgtct	ggatagggct	gtggtgctga	ttctgaaacg	gagtagagtg	60
tctgcggcac	ctagttctgc	tggctccaag	tcttgcgata	cggtagacct	cggtaccag	120
tgtctccctg	cgacttctca	tctatggggc	cagtactcgc	cattcttttc	gctcgaggac	180
gagctgtccg	tgtcgagtaa	gcttcccaag	gattgcccga	tcaccttggg	acaggtgcta	240
tcgcgccatg	gagcgcggtg	cccaaccagc	tccaagagca	aaaagtataa	gaagcttgtg	300
acggcgatcc	aggccaatgc	caccgacttc	aagggcaagt	ttgccttttt	gaagacgtac	360
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gctcgcgccg	agaagcatct	tcttggcgtg	acgctgacag	acgaggacgt	tgtcagtcta	780
atggacatgt	gttcgtttga	tacggtagcg	cgcaccagcg	acgcaagtca	gctgtcaccg	840
ttctgtcaac	tcttctactca	caatgagtgg	aagaagtaca	actaccttca	gtccttgggc	900
aagtag						906

<210> 14575

<211> 231

<212> DNA

<213> *A. fumigatus*

<400> 14575

tacggctacg	gcgcaggcaa	ccctctggga	ccggctcagg	ggataggggtt	caccaacgag	60
ctgattgccc	ggttgactcg	ttcgccagtg	caggaccaca	ccagactaa	ctcgactcta	120
gtctccaacc	cggccacctt	ccccgttgaa	cgtaccatg	tacgtcgact	tttcacacga	180
caacagcatg	gtttccatct	tctttgcatt	gggctgtac	aacggcactg	a	231

<210> 14576

<211> 378

<212> DNA

<213> *A. fumigatus*

<221> unsure

<222> (103)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14579

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acctccggag gccagtgtgc tctagatgca tccgattccc tanagagtgt aggtatgact	120
ccagctttgt tgctgttcgg agtcactgta ggaaatcatc tccagtgcgt ggcaagccga	180
gaaaccatc accagccaaa aggagcgtca taccactccg agcatcgctc aatcctttgg	240
catgtctga	249

<210> 14580

<211> 204

<212> DNA

<213> A.fumigatus

<400> 14580

gacgggagaa aacacaagca tgacccctgc aaggcccagc ttgataggat gacgagcact	60
ataccgttcc ttagcacaat tgactgccgg gagaacttct gcactatggt ggtcaatcaa	120
ttctgcaccg acacttggtt tctattctct cttttcaaca tgcacaacta caattcgcgg	180
ttcttttggt tgttggtcga ctga	204

<210> 14581

<211> 417

<212> DNA

<213> A.fumigatus

<400> 14581

tgtgatgaat tagctgaaga gatccgtgac gcatcacgag tcctccccct tggcagattc	60
tggacactta tcctcaacgg atgtacagga ttggtcagga tcattaccat cgctttgtgc	120
gttggggata ttgaccatgt ggtggaatcc cagacagggt tggcattgat ccaagtcttc	180
ctcaactcga caggatccgt cagagccgct agtgggatga ctgtgggtcat catggccatg	240
cagttctgcg cagccatcag caacgttgc accacatctc gccaggctca tgcttttgca	300
cgagacaatg ggcttccatt ctogaatttt tggtaacagg tcggtggttt cctcagcgag	360
tgggtggatgg cgttgatgac tactcgcagg ttaaccgcac tttcatcgct cctttga	417

<210> 14582

<211> 1356

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (47)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14582

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ccgagaaacc catcaccagc caaaaggagc gtcataccac tccgagcatc gctcaatcct	180
ttggcatgtc tgacatctcc cgactctcac tttctcatgc atcactttgt tactcagaca	240
attcgggttc ttttccctct tgccccgcct gtctttggcc agactttggt ggccactgcg	300
atggagacgc cgcattctct gcacgcactt ctgcgcagct cgtgcagtca ttacgctcgg	360
cttgtccaga agccttcagc tcatcaactg acagtcttga aatttaccaa cctcgcagtt	420
acgggtcttc gtgctgcact ggctgatcct accgagactc tcaggcctga aaccgccatg	480
acagcgatgg tattatgtac caatgatgtg tgtaatggca atgctcgaaac ttggaaggtc	540

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<210> 14583

<211> 237

<212> DNA

<213> A.fumigatus

<400> 14583

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gataaagaca	gctcaagggt	gggccgcacg	tccaagaag	ccaacactgc	ccatcgatg	180
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<210> 14584

<211> 927

<212> DNA

<213> A.fumigatus

<400> 14584

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<210> 14585

<211> 2625

<212> DNA

<213> A.fumigatus

<400> 14585

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<210> 14586

<211> 684

<212> DNA

<213> A.fumigatus

<400> 14586

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acaccaccgg	cagcaaccgc	cgcacaagcc	tctccgctc	ctgtctccgc	gccgctgca	600
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<210> 14587

<211> 453

<212> DNA

<213> A.fumigatus

<400> 14587

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cacgatttta	cctttcaggt	ccgggttcac	tgccgtgtcc	gcagcagaag	cgcattcact	420
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<210> 14588

<211> 2454

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1926)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14588

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<210> 14589

<211> 294

<212> DNA

<213> A.fumigatus

<400> 14589

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gaggcgtcca	aggagcaaga	gacagagaag	gtcaatggca	cccaggaaaa	gccatcaggt	180
agaatttttt	cagtaccatt	gttgtgtgac	ctgcactcct	cccgtttttt	ctttttttct	240
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<210> 14590

<211> 525

<212> DNA

<213> A.fumigatus

<400> 14590

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agctcgaaga	agcgtaaaga	ggacgcagaa	accgatggcg	aagccgaaaa	ggtaaattat	480
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<210> 14591

<211> 600

<212> DNA

<213> A.fumigatus

<400> 14591

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gttgcgtgat	atctcgaggt	ctcgatcatc	cgtgcgacca	aatcaacaa	ggtcctcaaa	180

atgatcgtga	agcttaattc	tattccccga	gatgaggagt	ttcagttccg	tcgccgtgct	240
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gaaccaaagg	ctaacggagc	tcataaagag	gacagcgttg	aaacaccagc	aaagactgaa	360
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gccaaggaag	cttccgaaaa	agaagcccac	aaaattgaag	aggccaccgg	tgccaatgtg	540
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<210> 14592

<211> 267

<212> DNA

<213> A.fumigatus

<400> 14592

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aaggctggca	aaggtggtgt	cagtgcagag	ggcgaggagg	acactggcgc	ggcgccgaag	180
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<210> 14593

<211> 228

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (200)

<223> Identity of nucleotide sequences at the above locations are unknown.

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gcgaccgccg	cggcgccggc	agaatccgag	gctcaagaag	ctcctccatc	ttccaaaaaa	180
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<210> 14594

<211> 243

<212> DNA

<213> A.fumigatus

<400> 14594

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tttcttacga	aggggtgtctt	gtctcttatt	attgtctctg	tctatcgcat	gtctatcttt	180
catatttcac	agatcaatga	cactgggtct	tcaccggggg	ctggaaggaa	acgcgttcac	240
aga						243

<210> 14595

<211> 465

<212> DNA

<213> A.fumigatus

<400> 14595

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gtaagcgtaa	gaggtacaaa	gagagaaatc	agtgaaggca	tacggacaac	catatgtgcc	180
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<210> 14596

<211> 1932

<212> DNA

<213> A.fumigatus

<400> 14596

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cctgacacaa	tgcctcctcg	tagttcaagc	aagggaagctt	ggcgcacccc	caacaatcga	180
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ctccctcagt	tgagcttggg	tggggacgac	ttgcccgcga	gcgagcaggg	taagtctgtc	720
gaggaggcac	cgcccaatca	tccggagtct	tctgggaaag	cggaagaaaa	tcaggcgagg	780
aggttgcat	cactcaagtt	cagagacatg	atggcaagcc	gtatcagcct	cgacgaggcg	840
agaaagggcg	atggaatcaa	ttcgccggca	tctccaatga	gctccgggtc	cgaccatgaa	900
ttgcgaattg	gctacgagaa	cgaacatctt	gtacgcacat	cagtccaaaa	ggaagcaact	960
ccacctgctc	ctctgtctcc	tcccccttcc	ccacctcccg	ctccaccact	tgtgaagtct	1020
gccgaacaac	tgcggttcag	caggcgccat	gtcagctcgg	ccacagctat	catgagagca	1080
tcgacagaga	ggagagagcc	atctcttccc	gcttccgacc	gaagcgctac	ggtgcaccga	1140
agtaagagga	cgcgaggcat	tgatgtcctt	cacgaattgg	tggctagtga	acagcacact	1200
tcgaaccgag	ccgggtctcc	gtctccctct	tccgcatgat	agtgcattga	taaggggtaca	1260
tttatgtgtg	agctacgcca	agactccaac	cgatatcaac	ggaaggtagc	ctcaagaaag	1320
tcgagcaatc	attgtctgag	ccgacagcgt	gggtccaagga	agtccagtat	cccagatcag	1380
agcggccctt	tgacgcccgc	aaggcacaag	agccgcattt	cggaggagac	actctcatca	1440
ttgtctaggt	catcgagtcc	gtaccattct	cacgaccttc	gcgataggcg	tgacaaagct	1500
gcccacactc	tcgtccttct	agaaggcgcc	attgaacagc	tggagcgcca	gaaccggatc	1560
cttcaggcg	cccttttcgc	agctttggat	ttgggtgtca	agcccaatgc	ggaagccctg	1620
cttgggggtt	caacgacatc	gctgtccgcc	tccgcaaatt	cttcaagtgc	ggagacgtct	1680
tccccatcct	cgactcaacg	agcttccaaa	ctacctgggtc	gcgcagtagc	aaatggaaga	1740
cgatcactca	tgaagaaatc	ccttcgtcgc	ccggaaagtt	ggattgacag	ccctggcgcc	1800
agtctgcaga	gcgattatca	aagtgatgac	gatgtcagtg	tccgagacct	tgaggaaatg	1860
attgaagaca	ttgaatttac	ttgctcatcg	gataagccag	gttccgatag	ggtgaggatt	1920
ggctcgcat	aa					1932

<210> 14597

<211> 243

<212> DNA

<213> A.fumigatus

<400> 14597

catctggcaa	tgtcacaaa	ggcccgcgtg	ctcttagttg	gagcgggagg	aattgggacc	60
attgccgcac	tcaatcttga	gcgcggagga	ctggccgaag	tcacctgtgt	cttgccgtct	120
aactatgaag	ccgtcagaag	ccggggaatt	gaaattatct	cgtgcgagca	cggtcatata	180

aagaattggc ggccgactgc aggtttgcaa tcttccttgt acggaatggt atgccgtggc 240
taa 243

<210> 14598

<211> 867

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (664), (849)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14598

cggagcactc	tagttctgaa	tgtgattcct	cgcgtctgta	gcgaggacca	tagtaccctc	60
ttcgactata	ttgtctgcac	caccaagaac	atcccaggcg	tcacaccctc	gatatgcgag	120
actattgccc	ctgcagtgcg	gccaggccat	acagtgattg	tccttatcca	gaatggacta	180
aacatcgaaa	agccattcct	gtcgcgtttc	ccgcagaacg	tcattctctc	gggggtgagc	240
cgatgcgacg	ctcatgaaat	cgcccacgga	gtgatcgaac	agaaagagga	cgatgacctg	300
cacattgccc	cctttcacaa	cccgttctt	gaccaaagaa	cccagcaaaa	agccgcagag	360
cggtttgtgc	agatctacgg	tgcgggaagc	aaaaccaacg	tgcgacatga	gccaaactgg	420
gagcgagatc	gctggagcaa	gctggtgtac	aatgcccact	tgaaacccat	ctgcgcgctg	480
acgggggtcaa	tacaggagat	ctccagattg	cggggagtg	tctcgatcgc	ctgggtatatt	540
cttgctatgc	aggaggtgg	gaaaattatc	caaggctgtg	gggggtggaac	ctacctgacg	600
atatcattga	gacgacgatt	cgtaagaatc	cgggtggagag	gaagattgct	catagcatgc	660
aaanagacat	ggaaaaggta	tgtgcacact	tatttctcca	taactttggg	actcataatt	720
agcagggcaa	tctacttgag	catgaaaatc	tcatcggcga	ggtgggtccgc	gaagctcaga	780
aacaaggtgt	tgccatacct	gtcctgtctg	ttctgtacga	gctctgctct	gctattcaat	840
ggcgggtgnc	caaggagaga	ggcatga				867

<210> 14599

<211> 1293

<212> DNA

<213> A.fumigatus

<400> 14599

tcggccatca	gtctatataa	atgtccgttc	ctcggacaaa	caaaatatct	acaacaccat	60
acagaagacc	aactgaatcc	aaaatgtcct	cgacagcaaa	taagaccaa	ccttcacccc	120
catcttcttc	aagtcccccg	ggacccaaaa	aagtccctca	cacaaaacaa	agcatggata	180
tatggcaaaa	aaggcttcga	caaagcctgg	gacgccctcg	ataaagtcgg	cgcccccgtc	240
aaccggctaa	gcaacaaact	cggctccgaa	gccttctggc	ccatgacgct	cgacaaagaa	300
agcgaagagg	ccgctcgcat	cctgcacagt	ttctgcaagg	aaggggtgta	cgttgccaac	360
gatgcgaccg	tagcaaccgg	ggaacagacc	cctgacaaga	agattgacaa	accacggggg	420
aaacccaagg	ttctgcagaa	gattcctgcg	gaggtgatcc	gccaggcgaa	ggggattggc	480
atcttcacgg	ccatgaggac	gggggttggt	tttagcggtg	ctggtggggag	tgggatacctc	540
gtcgtctgcc	tgcccagagc	gggggaatgg	agtgcaccgt	ccgggatatt	gctgcatacg	600
gctggtgttg	gcttcctggc	tggcattgac	atctacgact	gtgtcatggt	catcaacacg	660
tacgaggcac	tggaaagcgt	caccaaagt	cgagtgcgc	tgggaagcga	gatctccgtc	720
gcggcggggc	cggttggcat	gggaggggtg	ctggagtcgg	aagtgcacaa	gcgacaggct	780
cccatttggt	cgtacgtcaa	gagtcgcggc	ttctacgcgg	gggcacagat	tgacgggacg	840
attctcattg	agcgaatga	cgagaatgag	cggttttatg	ggcgcaaggt	gactgtcaag	900
gagatcatgg	ccgctcacgt	ccggacagag	aacgcgtctg	tcaggatggt	gatgcatact	960
cttcattcag	cccaagggtga	caagcagttt	gatcaaaact	cctctggagt	tgctgtaccg	1020
acgggggcga	gtccgagtga	tttcgcgccc	gaggatctgg	cagattcgaa	tctcatggca	1080
caaggggcat	tggtcactcc	ggctcagacg	gctactgaaa	cgctgctac	cttcaacgac	1140
cgttctgtac	ctgtcgatgg	cgtccagaac	gaggagaccg	tcattgcgca	gatggagagc	1200

atgggggttcg ctagaatcga tatcgatcgg gccatgagag cggcgctcgtt caaccccgat 1260
 cgcgctgtgg agtatctgct gaatgtgagc tga 1293

<210> 14600
 <211> 267
 <212> DNA
 <213> *A.fumigatus*

<400> 14600
 agccaacgta ttgaggcgat gccccgcgat agccagcaca gccatcgcgt caccgaccca 60
 atcatcacgc atcactgggg caagtgggtg gctcacacgc ttattattgc ttgtctgcta 120
 tcaaattgat gcctgtccta cgcagctgcc ggtgatgtcg atggctttat ctttctgcct 180
 ggttcgcatg atcggccatc agtctatata aatgtccgtt cctcggacaa acaaaatata 240
 tacaacacca tacagaagac caactga 267

<210> 14601
 <211> 387
 <212> DNA
 <213> *A.fumigatus*

<400> 14601
 cccgtcaagc ttgtctctca actgtacagt ccagaaaatg cgggcaatcc agctgagatc 60
 aagtttatcc aggagcggtt gcagtcgctt cagaaaggct ctgaggcatg gttgattgct 120
 aatgatctgc tcagtgttaa tagcactgat atgagatttt ttggcgctt gactttcacc 180
 gtcaaaatca accttgactg gtatgtgact cattggaatg tctatggagt ccagctttct 240
 gacattgttg caggcagaaa ctcaaccagc atgatgttga agagcttctt ggtcgggttg 300
 ttggccacta tgctgtactt gtcaactcag gcgagcgccc tctcgtcatt cgaaagctgg 360
 ccacaacctt gggaaccatc ttcttga 387

<210> 14602
 <211> 279
 <212> DNA
 <213> *A.fumigatus*

<400> 14602
 agaaatagtg tcgaaggaaa ggccagcgaa gagatcgtgc ttggttctga tttgctccaa 60
 cttatctgcg gcatcaactt cgtcaagaac agtctttttg ttaaccagct cgttttcaag 120
 ccacgcaaag tattcgatca acgcggcacc gtctcggata tggcaggccc tcatacccg 180
 aagctctact tcattcttga tagcttttagc gtccggaata ggactccggg tctcctccac 240
 atgctcctcg cctcccaagc tgaggctaag tgcccatga 279

<210> 14603
 <211> 900
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (835)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14603
 gaggaagcga gtaagcatca cccactcaaa tttgactacg ttcaactaag agatgatagc 60
 attccttaca atccagtgtt cttcgcatac gccattatta cccctacaaa ggccgagctt 120
 tacatcgacg atgacaagat caccacagaa gttgtagctc atctcgggtca ggacgtcgtg 180
 atcaagccat ataactctat ctttgcagac gctaaggcac tcagtgaagc aagaaggaaa 240

gaagctgggg	aaacagcctc	aaagttttctt	ctgtccaaca	aagcatcatg	ggcacttagc	300
ctcagcttgg	gagggcgagga	gcatgtggag	gagacccgga	gtcctattgc	cgacgctaaa	360
gctatcaaga	atgaagtaga	gcttgcggggt	atgagggcct	gccatatccg	agacgggtgcc	420
gcgttgatcg	aatactttgc	gtggcttgaa	aacgagctgg	ttaacaaaaa	gactgttctt	480
gacgaagtgt	atgccgcaga	taagttggag	caaatcagaa	ccaagcacga	tctcttcgct	540
ggcctttcct	tcgacactat	ttcttcaact	ggacctaatg	gcgctgttat	ccactacaag	600
ccagagaaag	gcacttgctc	catcattgac	cgggatgcta	tctatctttg	tgactctggg	660
gctcagtatc	taaatggaac	cacggacgtc	acgagaactt	ttcatttttg	aaaacccacc	720
gagcttgaga	aaaaagcttt	taccctggtt	ctcaagggtc	tgaatgccat	cgatactgct	780
gttatcccca	agggcactag	tggctttgca	ctcgatgctc	ttgcaaaca	gtatntgttg	840
gaaagaagga	ctggatatct	tcatggcaca	aggcaatggt	gttggctcat	acctggttag	900

<210> 14604

<211> 207

<212> DNA

<213> A.fumigatus

<400> 14604

ctgcgggaca	accctgaact	tacaaccata	ttcatagagt	tcattctctg	cttttccgga	60
tctgcaggaa	cggccatcgt	gtccatgacc	aaggctgcac	tgtcgacgga	cggacgatac	120
ttcaatcagg	cttccaagca	actcgatagc	aactgggagc	tgctaaagag	aggagttgag	180
aatgttccca	cttggcaaga	atggtaa				207

<210> 14605

<211> 309

<212> DNA

<213> A.fumigatus

<400> 14605

aacgatatag	cgggtgcacg	gagtcttgaa	gaaactttaa	agaggaacgg	ctcatcgctg	60
gtcggtatct	cgcagaacct	ggtcgacctg	gtttggggca	aagacagacc	ggcaccccca	120
cgagagaagg	tcagggttca	tccggataag	ttctcgggaa	agacattcca	ggagaagatt	180
gcggatttgc	gcaaggagtt	ggagaagaag	aagacagctg	gattcgttat	atgtaccgcc	240
accgcacctt	ccagcctgaa	accaactgca	gtattgatgg	ctaacaagga	gcctagctat	300
gctggatga						309

<210> 14606

<211> 210

<212> DNA

<213> A.fumigatus

<400> 14606

ctgatttggg	aatgcaggga	tttggccaag	tttatcgcca	gcaaccgtat	cgctgcacc	60
atcgaccgag	tgaatggaat	cattgagacg	aaccggcctg	acgacaagaa	caagcagtat	120
gctgatttgg	tcaagcatgg	tgatgccctc	atcacgaagc	ttcagaagta	cggccaggct	180
gtgcggctac	gggggagcga	acgaagctag				210

<210> 14607

<211> 675

<212> DNA

<213> A.fumigatus

<400> 14607

cgcggttctt	tcgacccccg	tggtgaagat	cttaaggcct	acaagggcct	ccatctgctc	60
actgttcgct	cctacaacct	cgcggtcctt	cttctcctcg	atagtctatc	tacatttaca	120
agctacgagc	tgtgcagtta	ttctgccctg	gtcatctatt	cggtcctcgc	gggctcggtg	180

tcgctcaagc	gagtagactt	caaagcaaag	gtcgtggacg	ccctgaaat	caaggcaatc	240
ctcggagctg	gggaggacag	gttggctgct	ctgactggcg	agatctccgc	tggagaaggt	300
gctcgggatg	aggagatgaa	ggatgcatcg	gtatctacgg	ctactccagg	caccgccacc	360
accgcaatca	acttgaccac	cttgggaaca	ggttctggcc	ttcaggccga	gacagaagcc	420
cccattgact	tttcgcctct	cgccaacttg	gttgatagcc	tttacagcgg	caactaccgg	480
acatttttcc	gggcattggc	ggccgtggaa	gataattttc	tcacgcagga	tcggtacctg	540
tatgagcacc	gggcttggtt	cgttcgcgag	atgagactcc	gggcttacca	gcagctgttt	600
caaagctacc	gggtgggttg	gttgaacagc	atggcaaatg	cctttggcgt	cactgtcgac	660
ttcctggatc	ggtaa					675

<210> 14608

<211> 504

<212> DNA

<213> A.fumigatus

<400> 14608

tcgcgaatga	tcacagaacc	caccatgacc	gtgccatata	ccaccaagcg	gaccgcttct	60
gatctcggcc	ctcgtcgtct	ccgtgccgat	aatatcaatc	ccaacgtcaa	ggcggccaag	120
tatgctgtcc	gtggtgagct	tgccgtcaag	gcggaggaat	accgtgtgag	attggccaag	180
ggagacaagt	ctttgccctt	tgacagtgtc	attttcgcca	atattggcaa	ccccagcag	240
ctggatcaaa	aacccatcac	cttcttcctg	caagtactaa	gtcttctcga	gaacaccgca	300
ttgcttgaag	aaccggagggt	cctgcggctg	tctttcggct	acaaccagga	cgtcattgac	360
cgggctaaga	agcttcttgc	ggacattcag	agcgtcgggt	cctacagtca	cagccaggga	420
gcaccagtaa	ttcgggagag	cgtggccaaa	ttcatcgaag	agcgtgatgg	cttccccgcc	480
aaccgcgaag	acctgtacct	ctgc				504

<210> 14609

<211> 780

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (761)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14609

ttgttgtcaa	tctgctctgt	actaactgac	tggaaccacca	gttccatgat	atccacaaac	60
catccagaga	acatggaacg	gaaacggcgc	aacggccagc	tccctcctg	cgagccatgc	120
aggaagtcca	agctgggggtg	cgaccatacg	aggccgatat	gtaaccgctg	tgtccgccgg	180
ggtcgaacag	aggagtgtt	ttatcacctt	ttccccctca	cgaaaccccg	ccaaagcaat	240
gcaacagtac	agagcagaaa	ccaagtcccg	ggcgcaagtt	acagtattcg	cgacttgtct	300
gtatcctcca	cagtctctgg	atcctcagca	gcgcaccgcc	cttctgccct	cacaaaaccc	360
cgcgagagca	aggcagcagc	gattcgaaaa	cccaggcaaa	aactaacaca	taggccaagc	420
caaaaccaga	gtagcccgaa	cgcaaacgtc	agcgtcaatg	cgagtgtctc	ccccatcggc	480
actcactccg	tgtctgtgtc	cgtatccgca	tcgggtctctg	cctcaccctt	gacgattggc	540
gagtcgcacg	catgggagaa	gcggccattt	gccaaacccg	gttttttggg	actaactagc	600
tactctgaca	acgtcacggg	gtatgtctgca	gtcttggaac	acgcgatgcg	gccgcacggc	660
agcgggagtt	ccccttcggg	atcgatcgca	gcggcggtcg	actcgaggca	ggtggagctg	720
ggagcgcagg	tgctaattgct	cttggaacct	ttggcgctct	ntgaagagct	cctggagaaa	780

<210> 14610

<211> 267

<212> DNA

<213> A.fumigatus

<400> 14610
 ttgatctcc gcagaatacc gactacttct cacctatctc cagattatat cacagtaacc 60
 gcacagatgg ctactcacgc agactcagtg catccagctt gcaaggctcg gctatctaag 120
 aacgtcgcaa atagcctcgt tgcggaagtc caggaagggtg tcaagacctt ggagaagcca 180
 cctcatcttg tcggattcct ggctaacgat gatcctgcgg cattgatgta tgcccagtg 240
 actgataaga catgtcaaga aaagtga 267

<210> 14611
 <211> 282
 <212> DNA
 <213> A.fumigatus

<400> 14611
 gagatgtccc catcacacct tgtatatatta ctatacttcc tgttactttc cctcaagtgg 60
 acacatactg attcttctgg ggggtgcagct gccaatcaca tggctcagca aatggctagt 120
 atgaaccctg gcgcaggagt caatccgctc caacctggcc aggatccaga caaactgtac 180
 cagagtgaag cggagaacctt ggaagtcacg gagttcttta gcattctaga cgggattgag 240
 gagagagtcc tacataacta tgcctcaaag gaaattcgct ga 282

<210> 14612
 <211> 600
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (380), (415), (521)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14612
 tacagtggat tccgttattc tttgcgccaa gtgtcccgcg acgatatcga agatgctatt 60
 ctggctgcc aatgccgactc agacgttgac ggcacatcgc tatactaccc catcttcaat 120
 aatcgccaag accagtatct tcagcagatc gtcgacgat ccaaagatgt agaaggctc 180
 agccatcggt acatcttcaa tatgtaccag aatatccgtt tccttgacc tgaaccaag 240
 cggcagaagt gcattcttcc ttgcaccccc ctggccatca tcaagatcct cgagtacctc 300
 aacatctaca atacgacct accgtacgga aaccggctgt ttggacacac aatctgcgtg 360
 gtgaatcgct caaaggttgn tggccggcca ctgcgcgctc ttgtggcgaa tgacngagct 420
 tgtgtctaca gcgtggacat aactgggtgc caaaaattta ctctgagagg tctcaaaaag 480
 cgtaggcacg aagtcgtgga tcttgggaaga aagacattca nggatgtagc ccccttgtgc 540
 gaatgttgct atcacgggtg ttcccagcga atcgtacaag ttcgacacaa gcctccttag 600

<210> 14613
 <211> 408
 <212> DNA
 <213> A.fumigatus

<400> 14613
 tgctctgtga agatattgac aggtattctt cgccattatg caacggtttt gatgaccacc 60
 cccccgaac ctccggcgac gctcgccgaa tctaaagagc gtctttcgct tatgcgagga 120
 gtcaacctgc gtaacaatgc tcccggcgtg ctatcgcggg aaggcttcga gatgcgaaag 180
 aactacctga tctcttcata caaaagcggg gccttcctta aagacccttc cagccgcggg 240
 cagccacctg cgaatccaat gaccgatcct gctggcatgg aggccatgat gggaatgatg 300
 aaaggaaata tgatgatgat gatcccacag accttgatca tgagctggat taatgcattc 360
 ttttcgggat ttgttattcg tatggttact tctttgcaac ggagttga 408

<210> 14614

<211> 321
 <212> DNA
 <213> A.fumigatus

<400> 14614
 cctcgtttgt gcgctaacgg agtcgggcaca gtgaaactgc ccttcccgt cacaatccga 60
 ttcaaataca tgctccaatc cgggtgtcatg acccgtgacc tggatgtccg atgggtatct 120
 agcctttcgt ggtacttctt gaatttggtc gggcttcaat cagtctttgg cttcatcctc 180
 ggcagcgata acggtgagag atgtcccat cacacctgt atatttacta tacttcctgt 240
 tactttccct caagtggaca catactgatt cttctggggg tgcagctgcc aatcacatgg 300
 ctcagcaaat ggctagtatg a 321

<210> 14615
 <211> 252
 <212> DNA
 <213> A.fumigatus

<400> 14615
 ttttgggagc acaagttgct gattcacaaa ggcgaggtaa gccacttaga cgaaccaatg 60
 ttaatgctaa ctgtttctta ctttgaacct cagcaatgcg agggatatat tcttttggcc 120
 tacagctata tcaactcaatt tgacctggtc tctgttccc tcttaccgtg ggccgaatgc 180
 ggogtctgct ttatcgataa ggcagcaatc ttttcgtcc ccaaaatttg tcaatgcccc 240
 tctgtagttt ga 252

<210> 14616
 <211> 267
 <212> DNA
 <213> A.fumigatus

<400> 14616
 ccccttgtg cgaatgttgt catcacgggt gttcccagcg aatcgtacaa gttcgacaca 60
 agcctcctta gagaaggcgc cgtctgtgtc aacttttcta gcgagaagg atgctttcga 120
 tattgtctaa atgccatctg ggattcaggc gagttaatgt accgcacaga acttcggccc 180
 agaagtaaaa gagaaggcat ccatcttcgt tcttcaatc ggcaagggtga ctattgttgt 240
 gctgctccgg aacctcttgg tgagtga 267

<210> 14617
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 14617
 agctgctcta gcatatcccc gaaattgatt tcaatcgaga tcaaagctca taatggcaac 60
 ctcagagccc aagggtgccg tttactccat caacggttag tctctatac tccaaacagc 120
 tacattgagc tttactttgg ttctcatac aggacacggt atgcgaatcc cttgataaca 180
 gtcgctaaca accatattta g 201

<210> 14618
 <211> 273
 <212> DNA
 <213> A.fumigatus

<400> 14618
 atttcaattc ggtcatctgt gaagaaacat tcccctctct acaagctccg cgttcagtac 60
 acgtgcacct ccaacaagat tctccaagaa aaggagatcg atgccccatt tatgaactgg 120
 ttttccgcgg acggaacctt ccacctgaa cactgacgac gctggctttc caccagatg 180

agggcggagcg	tcgctgatgc	atgtgcatgc	catgtgtgcg	ctcgttgcaa	ggtaagtcag	60
tcaatgctca	agcagttgcg	gaaactgacc	aatggcagat	tttccaagaa	tactgtcttc	120
aatgggtgttg	ctccagagtc	acgtggtaag	ctctatgcag	gcgaggccat	tgccttattc	180
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acacgtctcg	catactctcg	cacatggcac	tatatcgacg	tcggtcttga	tccgcgctcg	60
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<210> 14627
<211> 213
<212> DNA
<213> A.fumigatus

<400> 14627
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<210> 14628
<211> 651
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (11)
<223> Identity of nucleotide sequences at the above locations are unknown.

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gccttgacgc cacaggagggt caaccgtgcg aagaaccaac tgcgctcttc actggtgatg 360
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cataagggtg gcgtcaagga gatgtgcgac cgcacgcagg ctctgaccgt ggatgatctc 480
cgtcgcgtgg cccgccatgt atttggaggc catgttcaga acaagggccca gggcaccggt 540
atcccgacgg tggctttgca ggaagggtgag ctggaagggt acaaacttcg tcctttccca 600
tgaggagaaa tccaagaacg gattgcacgg tggaagctgg gaagaagata g 651

<210> 14629
<211> 336
<212> DNA
<213> A.fumigatus

<400> 14629
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caaattctct ccaccgtctc cacactcacc tcgttcacaa agtccagcat ctcttccagt 180
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<210> 14630
<211> 1851
<212> DNA
<213> A.fumigatus

<400> 14630

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<210> 14631

<211> 189

<212> DNA

<213> A.fumigatus

<400> 14631

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ggcatgttca	agcatgtgtt	catgggtatg	ttgacttccg	ctaattgtat	atggtgcgtt	180
ttggcttaa						189

<210> 14632

<211> 213

<212> DNA

<213> A.fumigatus

<400> 14632

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agcatttcgc	tccagcaatt	caccaacgat	acgcatgtac	gtatcacgga	gctgttcgct	180
gagagccaca	gcaaacggcg	tcagttcagc	tga			213

<210> 14633

<211> 198

<212> DNA

<213> *A.fumigatus*

<400> 14633

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cgattggaca	tgacgtatga	atctatcaat	atgggaatga	tgggtgcgaa	tggaaattcg	180
gcaatgacgg	aaatataa					198

<210> 14634

<211> 2514

<212> DNA

<213> *A.fumigatus*

<400> 14634

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tttgctcaac	cagcccatag	attccgtccg	aaagtcagct	tcacctcgag	ttctccatct	180
aaagcacagc	tccagaaaaga	agaagccaag	caccagaaac	agaacataga	tgccagtgc	240
aaggcaaaca	ggtcattatt	aatgcgaatc	aacagcggag	gagtcgaaga	tgaacataaa	300
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<210> 14635

<211> 285

<212> DNA

<213> A.fumigatus

<400> 14635

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cgagaaatga	tgagagtctc	catcgaggga	ctcattctca	actcttcttc	cggtaaccgt	180
ctcggcagct	gctctcagtg	ctcgaaggtc	gtacgtttcc	aaccaaatat	ccaagaactt	240
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<210> 14636

<211> 405

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (134)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14636

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ggccaggaga	tttntaccag	acgtaagtgt	gtgccccatc	atttagtggt	gatgtactca	180
cgatcaatag	cgttccaact	cgttactgac	cggtgtgtgga	aaggatgcgc	tttcgggtggt	240
attaagggcc	gtacacagct	gcccgggtctg	gtcgacgact	acctgaacgg	caagctcaag	300
gtggacgagt	tcacacccca	ccgtgagccg	ctctccagga	ttaacactgc	ctttgagcag	360
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<210> 14637

<211> 516

<212> DNA

<213> A.fumigatus

<400> 14637

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ctccatcccc	cgctacacgc	tcacctcgg	cccctcccc	atccacctcc	tccccaacac	180
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cgccacgacc	ctgctctcca	tcggcgggcg	ccaatccaac	cacacccgtc	aggtcgcgcg	360
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cgacgcccac	tacgaccggg	taggcaatat	ccagctgtcg	cggctgatgg	gcgcgggacgt	480
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<210> 14638

<211> 1158

<212> DNA

<213> A.fumigatus

<400> 14638

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gggaagacgg	tgctttacgc	ccatcttggg	ggtcagccgg	ctttgaatgc	gtatagcgag	1140
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<210> 14639

<211> 993

<212> DNA

<213> A.fumigatus

<400> 14639

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gcgtatccag	caggacatac	ggtaagtgc	tcaagtgcct	cctgtcaccg	agatgctaac	180
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<210> 14640

<211> 1152

<212> DNA

<213> A.fumigatus

<400> 14640

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cgccacctca aacgcccacc gcgcaaacc cagcccgcgc agcggatggt cagacgcacc 660
cgccgggatg tagtacgcgc gctcgcgcgc cgctcgcac tcgcccagca actggcgcag 720
actctcttta tgctcgatgc cgaacccgcg tggatgcagc cgcacgtccg cgcccatcag 780
ccgcgacagc tggatattgc ctacccggtc gtaatggcgc tcgttccagt cgaccagtg 840
ctcctgcacg agacgggcgc tgagaccggc gtgtgcgcgc gcggcgccga cctgacgggt 900
gtggttgatg tggacgcgcg cgatggagag cagggtcgtg gcgttttggg cgagggcgctc 960
cgcgagaaga tactcgagtt tgcgggtttt gtagcctccg tagacgaggg cgaggttgag 1020
gtcctcgcgc tgggcgtaga tgggtggtgtg caaatcggcg gaggtgttgg ggaggaggtg 1080
gatgggggag gggccgaggg tgagcgtgta gcgggggatg gaggcgaagg gttctgggag 1140
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<210> 14641

<211> 834

<212> DNA

<213> A.fumigatus

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<400> 14641
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gcaatggctc cccatgctac ctccggatgct gttgccaatg gcgccgtgaa cgggtcggct 180
cgtaccacca ccgctcctct tttcacgcgc aactcgccca atgttgagta cactgacaac 240
gagattaaga gtccggtatgc ttaccatacc actgacatta ctgcaccgc tgagggtaag 300
atggttgcca ctcccaagggt gaccaactac cagttcaagg tcgaccgcaa ggttggaag 360
gttggtatga tgctggtcgc ctgggggtgga aacaacgggt ccacggtgac tgctggtatc 420
cttgctaata gccggcgccct cgtctgggag acccgcgagg gcgagcgcgc tgccaactac 480
tatggttccc ttgtcatgag ctccgaccgc aagctaggta ctgattccaa gaccggtgag 540
gagatcaaca ttccggttcca tgatatgctc ccgatgatcc accccaatga tcttgctatt 600
ggcgggtggg acatcagcag tatgaacctt gccgatgccg tggatcgggc gcaagttctt 660
gagccaaccc tcaagcagct ggttcgtaag gagatggcgc agatgaagcc cttgcccagt 720
atctactacc ccgacttcat tgctgccaat caggaagacc gtgcagacaa tgtcatcgag 780
ggcaacaagg cttcctgggc tcacgtcgag cgtatccagc aggacatacg gtaa 834

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<210> 14642

<211> 312

<212> DNA

<213> A.fumigatus

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<400> 14642
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ggaggagcag accatggaga gaatccagaa cgaccccgag gtaagtcact tcagcctttt 120
tcattgattt tggcattggt tctaacatgc tgcgaccaga tcatgtcgat cctccaggat 180
ccagtcattg agagcattcc ccagcaggcc aagagcgacc ctgctgccct gcaagagcac 240
atgaagaacg tccaggttcg gacgaagatc cagaaactca tggcggctgg tgtcatccgt 300
ctcggtcggt aa 312

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<210> 14643

<211> 1083

<212> DNA

<213> A.fumigatus

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<400> 14643
agacagaggg caacaaggcc ttctctgcta aggactaccc tactgctatg tacgtattac 60

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gtatccatgc	taccccgctc	gtttcaacga	ggctgcacgg	gattcacgag	aaagaagact	120
aacctttttg	tgccccggaa	cagtgagaag	ttcacacagg	ctattgagct	tgagcctagc	180
aaccacattc	tatactccaa	ccggtcagct	gtctacgctg	cgcagtcaga	ttaccagaaa	240
gctctggacg	atgccaaaca	ggccatcgaa	atcaagccgg	actggtcgaa	gggttacagc	300
cgtaaaggag	ccgcttgccg	tgggtctaggt	gacctcttgg	gtgcacacga	tgcctacgaa	360
gaagccctga	agctcgatcc	gagcaacgac	caggctaagt	ccggtctcaa	cgctgtgaag	420
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cttgcagacg	ccgactttat	ggcgaaactc	cagcgctcc	agcagaaccc	caacagcatg	600
agcccgagg	agatccagga	tccccgtttc	ttgcagggtta	tgagtgtgtt	gctgggaatc	660
gacatgagct	ttggagctcc	cccggaggcc	gctggttcct	ctcgagctgc	tgcagaagct	720
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gcccaggaag	ctggtgatgc	cgagaagaag	atcggcaacg	acttctacaa	gaagaagcaa	900
ttcgatgagg	ctattgaaca	ctacaccaag	gcctgggagc	tcaacaaaga	cattacatac	960
ttgaacaaca	tccgtgctgc	caaattcgag	aagggtgatc	tccagggtgc	catcgagatc	1020
tgtcagaagg	ccgttgaaga	aggccgcgaa	cttcgggcag	atttcaaggt	catcgccaag	1080
tga						1083

<210> 14644

<211> 672

<212> DNA

<213> A.fumigatus

<400> 14644

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cacaaatccc	tactgaaca	ccgtactccc	gatgctctca	ccaagctccg	taacgcagaa	180
aaggccaagg	tcaaggccga	gaaagaggcc	tacattgacc	ccgtcgaggc	agaaaaggct	240
cgcgagctcg	gccagaagaa	gttccaggag	gcggattggc	ccggtgctgt	tgaagccttt	300
accgagatga	ccaagcgcgc	tcctcacgac	cccagaggat	tctcgaaccg	tgccgctgcc	360
ctcatcaagc	ttatggcttt	cccccaggcc	gttcaggatt	gcgacgaggc	tatccgccgt	420
gatcccaagt	tcattcgcgc	ctatatctgc	aagtctcaag	ccctggttgc	catgaaggaa	480
tacagcaagg	ccttggatgc	ctgcacggaa	gccgcagagc	aagacgacgg	aacacacacc	540
cgtgagatcg	accagcagca	gcaaaaagtgt	ctggaggctc	agttcagcgc	tctgtctggc	600
gagacggagg	agcagaccat	ggagagaatc	cagaacgacc	ccgaggtaag	tcacttcagc	660
ctttttcatt	ga					672

<210> 14645

<211> 450

<212> DNA

<213> A.fumigatus

<400> 14645

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gaggacccat	ttatagttga	atttcaaaag	gatgatccag	gaaacccatg	gaactggtct	180
cagttcagga	aatggttcat	cacggcgatt	gtgaccttct	cggctctttgc	catcaccttt	240
acatcttcag	catacgctgc	ttctgcaaac	gagctcattg	cagacttcag	tataagcaca	300
gaggtgttta	ccgtcggcct	ctccctcttt	gttcttgggt	ttgcaattgg	cccagcagta	360
tggggtcctt	tggtaagcag	catcctatct	gaagccctta	acagaccgcg	tgacagtcca	420
tttctcttta	gtgagttctc	ttcatcttag				450

<210> 14646

<211> 1272

<212> DNA

<213> *A.fumigatus*

<400> 14646

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gccatggtag ccttcacggt aggttccgct ggaagtcaca atgttgccac cctcctgggtg   120
ctgcgggttct tcagcggcac atttggcggc tcgccgctgg tcaactcggg cgggtgcaatc   180
gcagatatct tccctccagc tcagagaggc ctgccatga cactgtactg tgtcgacca   240
ttccttggcc ccatccttgg cctatcgtc ggcggattcg tctccgaaaa cgttggatgg   300
agatgggtgc aaggcgtgtg ctgtatcttc atcgggggga ttggtatcat cggcgtcatc   360
tttgtcccgg agacatatgg gccagtgtc ctgattagga gggcaagccg actctctcaa   420
gcccattgta aggtctacat cagtattctt gaaaagaacc agggcaagaa gaaaccgtcg   480
gaagtcttcc agcgagctct catacgacc tgggttctgc tcttcgcga accgatcgtg   540
ctggtggcct cgctctacat ggccatcatc tacggcaccg tctacatgtt catgagcgcc   600
atgccatcg tctacaacga acaacgtggc tggagcgagg gcatcggcgg gctcgccttc   660
atgggtatcg ctgtcgggtat catcatcgga ctacgctacg ccatctacga taacaacaga   720
cgctacgcaa atctgctact gtcaaacgca gccacggccg aatcgcgcct cccaccgcc   780
atcggtggcg ctgtcgcct cccagtcggc atgttcgcct tcgcctggac caatacccc   840
cggatccact ggtccgtcag catcatctc tccgcgcct tcggcttcgg ctgtgtcctc   900
gtcatcctgc cgatcgtcaa ctacctgatt gatgcgtata ccatctacgc ggcgtcgggt   960
cttgacgccc ctgccatctt ccgctcgatt gtccgggctg tgtttccctt gtttacgacc  1020
cagatgtatg gcagtccttg gattcactgg gcgagttccc tgccggcatt tctgacggtc  1080
gcttgcatgc cgtttccggt tgtcatgtat cgctacgggt gggcgctgag gatgaagtgc  1140
aagtatgcgt tcgaggcgcc ggggatgatg aggcggatgc agatgcagca ggtgcccgct  1200
ccagccaagg aagaggaaga ttcccttctt gagtggggga cggcaagatt tgggctcgac  1260
gggtgtcagt ga                                     1272

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<210> 14647

<211> 954

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (140)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14647

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ccttgggata ttgtgaattt caaggccaga ctccgggtctg ctgttaacca atgtttctcc   60
cagccgtaca tccagctggg acgaagagtc gtccgtgtgg aaaccgacgt tgtgatgctc   120
acgcatctca tctttactn taccacgtcc gtccccagtg cactctacct gtactatcac   180
ttcacttggg cccatggcgt cctccactgg atcatgcagt cgtactatgt gggaacatac   240
acgctcatga tgcaccagca catccacatg ggcggaatct tagccaagcg tttctggctc   300
gttgactcgc tctttcccta catcaccaat cctctcatgg gacatacgtg gaactcgtac   360
tactaccacc acgtcaagca tcatcacgtg gaagggaatg ggccggacga tttgtcctcg   420
acggtcaggt accaacgaga cgagctgtcc gattttctgt gctacctcgg ccgatttctt   480
ttcctcgtgt ggtttgagct tccgagctac ttcttccgga aaggccaggt cctccaaggt   540
ctcaaggcgg cttcctggga gatcggaaac tacctcttca tctacggcat gtatcgcttt   600
gtgaacgctc acgcaacgct cttcgtcttc atcctccctt tgtttctcct ccgattgggc   660
ttgatgatcg gcaactgggg gcagcacgcc tttgttgacg agacagacc caactcggat   720
ttcagatcga gtatcacct gattgatgtc ccggtacgat tctcgttcaa tgatggctac cacacctctc   780
actgccgctg acaatagcag agtaatcgct tctgcttcaa tgatggctac cacacctctc   840
accatctcaa cccccgcgt cactggcgcg agcaccgggt ggcgtttctc aagcaaaaag   900
accgctacgc cagcgagcat gcgctgggtc tccgcaatat cgactatctc atga       954

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<210> 14648

<211> 693

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (61), (66)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14648

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ngtcanaggg	tctgctcagc	gcagcgtagt	tgctctggaa	gcttaatgaa	gcttgaagaa	120
ggtgatttcg	atcacaacgg	caccaatagc	tcaaatacgtg	ccgcgggcaa	tcgtaccgca	180
gaaccattgg	ctgccaaaaga	ctccctgcgg	ctcaggatta	ctgatattct	cagggctctg	240
agcgggaagag	ccgacccgga	gggcgcccc	gtgcaagagc	cgcaggcccc	cgtggaccct	300
ctttccccgt	ttcaggtgtc	gatgccgttt	gccaatgtcc	ccgatgggtt	tcattgacctg	360
gacgtgctgc	cgatcctctc	caacggtctc	agccccaact	tttggcaatt	cttggacttc	420
ccccgcggac	cattcgattc	tcacccaaag	gaggtctcgt	tggctacca	gggagacccg	480
cctggcgcc	ttggactggg	tccttcgcaa	tttcccgact	catatagtag	cactcctcgc	540
actcgtatga	cccacacatc	tccgtctctg	cagagtgaat	caatcggcct	gggtggaggc	600
agtgaactcg	ccacaactcc	ctctagcgct	gatgcctacg	ttgccgcaa	gttttattac	660
gccatgggtg	atgggacact	ggctcctatg	tag			693

<210> 14649

<211> 195

<212> DNA

<213> *A.fumigatus*

<400> 14649

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ctgattctta	tttatgccgt	ttctttcgtt	atcgcagccc	cccacgggta	tgctgcctat	120
aattactggg	ggaaaagcag	actagccttt	cttttcacca	cggagctgga	cggatccggc	180
cttagtgtat	ccaac					195

<210> 14650

<211> 207

<212> DNA

<213> *A.fumigatus*

<400> 14650

caaattcttcg	aacgcgccat	ggatacagcg	aatgaagact	tggatttgac	ctatcgtgac	60
ctcgtctatcc	gggaggagca	ggatctggga	cactgcgtgg	gcggcatgga	aatacggggt	120
gttcattcgcc	gtggacgact	cgttgagaag	acagacggcg	gccaactcgc	ttgggatccc	180
gtctatgccg	ctctcgggga	aggggtga				207

<210> 14651

<211> 993

<212> DNA

<213> *A.fumigatus*

<400> 14651

gcattctgac	caacgaaatg	ccacggcggg	catgaacgag	cccagaaaa	aaattccttc	60
tcgggctccg	catgtacgaa	cttcgcaaaa	acacggcatt	cgacctctc	aacgacaggt	120
gcaaatgcca	catccgcgaa	ggaccagacg	gcaaaacgca	cctccgcggc	gagacggaga	180
cgctcgccga	cggcaaagtc	cgcgtgcgcc	cgatcgtcac	aaaggcgtgc	tcgagctttg	240
acgagttcca	cgcgcagttg	ctggcgggga	ttgggcggcg	cgcgacgggg	tcgtcgacgg	300
tgcattgatca	gagttcccgg	acgcatgcgg	tgttcgaggt	ggagattgtc	acgcggggcg	360

tcctgggtatg	cgaggggacgc	ggtgggtggag	cgcgaatcgg	agcttggtcc	tggtgggaag	420
cgcgcgacgg	atgtctatct	ggaggagaat	ttgaaggggt	tgatccggat	gccggatggc	480
acgtttgctc	ccaatccgga	gtatcagatc	aaccaggcgg	cgattgatga	ggccgaggcg	540
aagaaggcgg	agttcgagtc	gtatgtccgg	aaggctgagg	aacacgtgga	ggctgtcaaa	600
cgatcatgtc	gccacatgtg	tctgggtggg	aaattcgtct	ttgtggactt	ggctggctcg	660
gaatactacc	acgacaagcg	cactgtttcg	acttgctcag	cgaagcagac	gccgcaggag	720
cagcaggaag	ggaggcagat	caataccgat	cctctgtcct	tgaaggaggt	catccgtgcg	780
atggcccaga	agcagagtcg	cattccgttt	cggctcctcg	cgctgaccat	ggtcctgcgt	840
gagcatttct	tgacaggtga	gggggatggc	gggttttcgg	cgatgattct	gacggcatcg	900
ccctcgtcgg	agcagtacac	ggcgacgatt	gacacactga	agtatggaaa	cctgattggc	960
gtggctggag	agcatggcaa	gggacgtaaa	tag			993

<210> 14652

<211> 684

<212> DNA

<213> A.fumigatus

<400> 14652

cttaaatcca	agttgatacc	ctgttcaagt	gctccagaac	gggcaaaaaa	gataacaagc	60
atgcaatcga	tcaaagtctt	cgtccgctgg	cgtcctctcg	cgccatccga	ggccaacacc	120
ccagaaatcg	cccggacaca	gcacgcgcgc	cccaccagca	acacctcggc	gctctcactc	180
accccaccgc	cagcgacaca	actatcccgt	ccctggaaaa	gcgagtcggc	gtttaccgcg	240
atcttcaccg	catctgacaa	caacaaagcc	gtcttcgagg	ctgtcgtagc	cccgaacctc	300
ccccgcgtct	tgaacgggca	atcctgcaac	ttcttcgcct	acggccactc	cggcagcggc	360
aagtgcgaca	ccatcatcgg	gtatgacttc	gagcaccctg	acgagttcgg	gctgtgcctg	420
tgggccgcaa	gagcgtctga	tgagcatctc	gaccaacgaa	atgccacggc	gggcatgaac	480
gagcccagaga	aaaaaattcc	ttctcgggct	ccgcatgtac	gaacttcgca	aaaacacggc	540
attcgacctc	ctcaacgaca	ggtgcaaagt	ccacatccgc	gaaggaccag	acggcaaaaac	600
gcacctccgc	ggcgagacgg	agacgctcgc	cgacggcaaa	gtccgcgtgc	gcccgatcgt	660
cacaaaggcg	tgctcgagct	ttga				684

<210> 14653

<211> 492

<212> DNA

<213> A.fumigatus

<400> 14653

acgagccoga	gaaaaaaatt	ccttctcggg	ctccgcgatgt	acgaacttcg	caaaaacacg	60
gcattcgacc	tcttcaacga	caggtgcaaa	tgccacatcc	gcgaaggacc	agacggcaaa	120
acgcacctcc	gcggcgagac	ggagacgctc	gccgacggca	aagtccgcgt	gcgcccgatc	180
gtcacaagg	cgtgctcgag	ctttgacgag	ttccacgcgc	agttgctggc	ggggattggg	240
cgcgcgcgga	cggggctcgtc	gacgggtgcat	gatcagagtt	cccggacgca	tgcggtgttc	300
gaggtggaga	ttgtcacgcg	ggcgctcctg	gtatgcgagg	gacgcggtgg	tgagccgca	360
atcggagctt	gttcctgttg	ggaagcgcg	gacggatgtc	tatctggagg	agaatttgaa	420
ggggttgatc	cggatgccgg	atggcacgtt	tgcgcccaat	ccggagtatc	agatcaacca	480
ggcgcgatt	ga					492

<210> 14654

<211> 912

<212> DNA

<213> A.fumigatus

<400> 14654

cgaagtgtgt	ttgacaatgc	aggcgttttt	tggcgccaag	cttcccgggt	tcgagccttt	60
cggactggac	aagatcaccc	tggacgtcat	caacaacaag	ctaactcacg	cgcttggtat	120
gtgacgttgg	ggtgtgctgc	agaggtgcct	cttgctaact	caactgtgca	ggtagcctta	180

ctacctctct	ttccagagag	tccgcagctg	tgctcaagga	gtcattgcct	ccgaaatctg	240
atgggtatgtc	cttccagtag	gcacatttgc	ccctctgaca	tgacagcaga	gtggcaatcc	300
ctgggtcttcg	ctcaagagat	tccatacata	gttgcccgat	tgctgctcct	tgtgtttatg	360
ggagagaagg	tctgccgtga	caaggaatgg	ctgcatgtgt	ctgtcaacta	cacgatcgac	420
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cagaaggaga	tcgaaaagcg	agaattgatc	cgacaaggca	agctcctgga	atacagtcct	600
ccgaagccca	acgatgccct	cgactgggtc	agagaagttg	ctgccggtcg	cccgtatgac	660
ataacgaaaa	gccagatcac	tctttctctg	gcagcgatcc	acactacttc	caacctgttg	720
acgaacatca	tgtacgactt	gatagcctac	caagaatata	tccagcctct	ccgggacgag	780
attgttgccg	tctgtaagga	ggaagggtgt	ctgaagaaga	ccagccttac	caagctgaag	840
ctgatggata	gctttataaa	ggaaaccacg	cggctgaacc	ctgtcagcat	tagtaagaga	900
tttgctacct	ga					912

<210> 14655

<211> 288

<212> DNA

<213> A.fumigatus

<400> 14655

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atcttttgtga	atacaatctt	gatttctctt	tcacttaatt	ctctcttcca	ttgcacgaga	120
acttcactat	atttaacagc	ttacacccaa	tactgtttga	tcttggtactc	gccggatagc	180
aatttctcta	gtctactaac	ctgcagactc	atccaactca	ttctgttcct	gcacaggctt	240
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<210> 14656

<211> 504

<212> DNA

<213> A.fumigatus

<400> 14656

cctgcagact	catccaactc	attcctgtcc	tgcacaggct	ttttctcctt	aaggctcacg	60
actacgacca	agatggattc	aggagatgag	catatcacat	actcctcaga	aggactttcc	120
gagactttga	tggagctgtc	cattagtcac	aataccgaag	ccaaactagc	tatcagagaa	180
tattaccgca	agcaggatca	tggacagaaa	gattcttggc	tcacaaaagcc	ggagatacca	240
acacctgaag	agattctccc	gtcatcttca	gacgaagatt	gtgtggagct	catgcctaac	300
aggatagatg	gtccctggac	ctcgaaagac	tcctacctca	gggcacacta	tgaactcctt	360
cgagaggatg	ctgttgctcc	actgcgagat	gctgtggctt	acttccgtaa	tgacccgcag	420
atggtggact	ccaagctgt	atcgatatac	gagaagggtca	gccagttttc	attcttgctt	480
catatcctta	ggaaagtcga	atag				504

<210> 14657

<211> 1491

<212> DNA

<213> A.fumigatus

<400> 14657

tcccgcgtta	ggtttcctct	agcagatcac	atatgcggcc	tggatcccga	tgttaatgcc	60
ccggattatg	tcaaagaatt	ccctactatg	gacatcgagt	cagttactac	cgacgaagaa	120
aaaaagatca	acctcttgga	aggctggcca	gaatcaccaa	caggcgatct	cgaccagtca	180
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gtaaaattcc aggtaacata cactactgag aactttggct ttgacgaaga cgaggtagac 780
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<210> 14658

<211> 1224

<212> DNA

<213> A.fumigatus

<400> 14658

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gtcagagcaac agtctctcca ggtgaatctg taccgcgaaa aaattgtgca atgtttagtc 180
atgggcgaat ataccaagtg cggcccgtac gccttggaiaa ctgtcatcaa ctatgtctat 240
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cagagggcga ggacagtatg gatgcgcagg tcctcgactt ctaaagaagc aaagaaagcc 1140
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<210> 14659

<211> 690

<212> DNA

<213> A.fumigatus

<400> 14659

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ccaaagccgt ctccaactgc tgtgcctact ctccatgacc ggcttgtaaa gttggagcgc 180
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tacgttggag	gcgaacactg	ggttgccata	ttggacggta	tcgccgacct	gaaagaccac	420
ttggaccgcg	aagaacagct	gcggctagct	cagagtcccg	accgggttga	gaacgagcat	480
ggggtcggca	atagcagtga	accatttgca	aggaccgggt	ctaattggtgc	atttctgctg	540
tatggatgcc	gccgcgcgac	gtcacgcgat	gaaatactct	cggcattgcc	acaaaaaac	600
gctgtcgatc	ggtacatctc	tcgctacttc	aactatttag	atcttgtgtc	gtctttagg	660
gacagttcca	tccactgctg	caaagtctaa				690

<210> 14660

<211> 210

<212> DNA

<213> A.fumigatus

<400> 14660

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cctaacgata	ccatcaatcc	caaaaactgg	caaagcaca	gaaaatggac	gcatattgtc	180
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<210> 14661

<211> 558

<212> DNA

<213> A.fumigatus

<400> 14661

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gtgtacggac	gcgtgcccgt	ataccatgct	gccaatatta	ttttcgtcgc	catgattatt	240
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gctggcggca	ccccaatggc	tctaggcgga	gggactattg	cagacatcac	cactatagag	360
caaagagcag	ttgcgatggc	gttttttagc	atggggccac	ttgcaggacc	ggtatgtgtt	420
attatgaatt	cgtttttcga	cttccaaata	accagtccga	tctcgttcag	gtccttgggt	480
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<210> 14662

<211> 1020

<212> DNA

<213> A.fumigatus

<400> 14662

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gccacgggcg	aagacgtcgc	cggcacgcc	gactctccgg	gggagttata	tgttcggggg	480
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gatctcatca	aagtgcgagg	gcaagtaccc	gattctctca	attcctggac	atcccattca	660
actaacaggt	tgtgtgattc	aagggtactcc	gttgcgccag	cagagatcga	agggattcta	720
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agcgagggtcc	cccagacata	cgtcgtccgt	gccggccatat	ctcccagagtc	gacggcgggat	840
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gtctttgtgg	acgagatccc	ccggacgggc	atcggcaagc	cccatcgagc	gagactctca	960
cagctggatc	gcgaacggga	gaagcttgcc	tctattttgg	gtgtctctgt	gcctgcatag	1020

<210> 14663

<211> 1560

<212> DNA

<213> A.fumigatus

<400> 14663

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gagaacgaag	aggatcttga	ttcgggaagaa	gaggaggaac	agatcaagca	gtcgattttg	180
aaggaagatc	agggcgagga	gttcaactct	acccagctac	gaaagtatca	actggaacga	240
ctgcggtact	tctacgcgat	cctgacattc	tcgagcaagg	atgttgcgaa	acatgtgtac	300
gactccgtgg	acggagctga	gtatctatcc	agtgccgact	tctttgacat	tcggttcgta	360
ccggaggaca	cggacttctc	cgacgacaag	ccgcgcgacg	aatgtgaacg	gatcccggac	420
ggataccaac	cgaatgagtt	cgtgactgat	gcgctgcagc	acagcaaggt	caagcttaca	480
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acagtcaatg	acgatttcca	gatggacgtc	agcgaccctc	gtttcgcaag	gctgttcgag	1320
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gcactgctgg	atgaagggcg	caagcgacga	agggatcggg	acgaccgagg	ggacgaagaa	1440
gtaagcacct	cgcgtgatag	gaagaagaaa	aagcagaagc	agagcgctgc	aggcaacgcc	1500
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<210> 14664

<211> 1200

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1029)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14664

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acattcaatt	cgccgaacgc	gtatgctgcc	ggtgcctacg	acgatcgagg	tggcgtggaa	240
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gcgtgtgtgt	tgtagatata	tcgaacgaac	tcgtctgacg	tgacgtcaag	ccctcacgat	360
tcagaaccgt	acgtgctcga	caattctggg	acgagacatg	ttcgcacact	ttccagtctc	420

tcgcgggctc	ctcggcgcgg	atatccccct	ccttcgtcgg	ccgctgattc	gagcccgttt	480
tctgtcgtcg	cggaatcccg	cagatcgccg	cccatgagtt	ctggtgcttt	tgcccgcgct	540
cgcgggccga	gctctacatt	gtcgccctgca	ggtgggggtga	atgaagccgg	ccgctcacgt	600
cattcgcccg	agaacaatga	ctctgggtctg	ttgaactgca	tttttggcag	cagtgcgttc	660
agctatcggg	gctcttcgac	caagatgcat	atcatttctg	cagatgagga	ttcaggtaga	720
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tcctctgggt	tcatgggtgc	atcgcggggc	tccgaaccca	agcctccatc	caaagtcacc	840
attctactga	cgcggtggtt	cagtgtcaac	ttgccggagg	caggtgacac	gtctgatcgg	900
cccgaccacc	cgacttccat	gtaccaagag	tcgctaccgg	aaaacgggtt	cccatccccc	960
gatgttacca	agcgtaaaaa	gatcaaggag	aagaaaactc	cgatgtatgc	ggtggcgatt	1020
acaatccana	ttccgctcct	ctctcgtaat	acaggacggc	ccggttcacg	cttcagtagc	1080
caagccaccg	actcacccaa	ggcgcggtatg	tcgtgctcgt	tggactcaga	ccatcgctgg	1140
cgcgggcggt	ttcttgatga	tagcctgtcg	cttgcatctt	cttcgggcag	gtttggatga	1200

<210> 14665

<211> 225

<212> DNA

<213> A.fumigatus

<400> 14665

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aaggaatcta	ggggaatcag	gatgtatgat	agattgtcaa	caaagatgga	gaatactttt	120
attacacctg	caaagatgat	gtacaatatt	gtggtatata	tcctgaatat	cctgaatccc	180
actatgcttg	tgtcttggtc	gctagagaaa	atcaaaccaa	ggtga		225

<210> 14666

<211> 555

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (52), (55), (105), (306)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14666

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gagaaagaca	ccgtcttggg	gccgtggacg	gacgagcagc	tcgcgaagaa	gaggaatgtg	180
cgcacgcagc	agctcaaaca	cttcgctgag	gagaccccc	tcgtctcatt	cctgcagctc	240
atcggtcacc	agctcgggtg	ctggcagctg	tacctgctga	ccaacgccac	cgccggggcg	300
cagagntggc	ccgagggcaa	gcccagacc	ggcccggcga	gccacttcaa	ccccgtcggc	360
gcgctgtgga	ctccctcgca	gcgtctgtcc	atcgctatct	ctgatctagg	cctgctgata	420
atggctgccg	tgctgtacta	cgccagcacc	cagattgggg	cgtggaatgt	cgctcctgctc	480
tactttgtcc	cgtacctgtg	ggttcaccac	tggctgagtg	tgtcctccct	tcttttattt	540
tcctcgggtg	tctga					555

<210> 14667

<211> 363

<212> DNA

<213> A.fumigatus

<400> 14667

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cgccatttct	tcacagagat	tattgattat	cacgtcgtgc	accacctctt	cagccgcata	180

cccttctaca	aggccgagca	ggccacctgg	gccatccagc	ccctgcttgg	agcgagtag	240
cacgaggaga	aggaacagag	tttccttggg	tcgttgggta	cgaccttccg	gaagtgcatt	300
tatgtttctg	ccacggggca	gccgggtgtg	ctgcactttg	tgaaggctga	tgaggggaat	360
taa						363

<210> 14668

<211> 261

<212> DNA

<213> A.fumigatus

<400> 14668

ctttgccagt	attgccgaca	gtatctccgc	agatataacc	agaatttga	gaagtgtgct	60
gcgagcggag	gggagaccaa	tctatgccag	gatcagaaaag	caatgcaggc	tatcgggact	120
tgctgaaag	agaacatgat	gcctatggcg	ctgggtgaga	tggaacagct	ctcgatgttt	180
atcacaacgg	atatgtgcga	caagatgaat	gcttatctca	agggccggag	ctttgggaaa	240
ctgtcattcc	tcaagtgcga	g				261

<210> 14669

<211> 219

<212> DNA

<213> A.fumigatus

<400> 14669

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attttgatgc	aactacccca	cgggcattac	cttccttggg	gattttgcga	taaagagaga	120
ccgctttgca	tcccacacac	tgccacctcc	tctgatggca	aatacgtcgc	ttttccagct	180
gatgcttcta	attctgaatc	tacacacttc	ttctgctga			219

<210> 14670

<211> 1884

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (7), (17), (18), (19), (21), (22), (26), (27), (28)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14670

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aaactaacgg	ttcctttgcc	tattcctaaa	atccaattta	tcgtggagat	tggcgatgac	180
cttgatataca	catcttccgt	attcgatcag	atgaagttgc	cttgccctcc	gtcgcgcgctc	240
agctgggtgg	aaatgttttc	ctccatcttc	gatactgctg	cctatcgagt	tctgcgagac	300
gagattgaag	tggatcttgg	tccaacagca	aacatgattc	tcagcaaggc	catgtctcgg	360
gtatgccgct	acaagggaaa	gacaggcgga	acagggttcc	cagacagaca	ggatctctac	420
gatgggggga	acaccagga	gcctcagctg	atcaattgtg	tccgaatctt	tgagggatat	480
cgctcaaaat	atgttcccaa	atccaagtat	ctgcacaaag	ttcttgaagt	cgaaaacttg	540
gagcttacag	accgtgcctc	acctacttct	gaatggctct	atgaatctga	atttgagaaa	600
ttattctctt	atccttttgt	ctcatcatat	aagccatgtc	tccagggttc	gcgtgaagag	660
ctgtcagcat	tggtcttgat	tctggggatg	aatctatgcg	tctgcgaaag	ccacaaccca	720
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ctagaataacc	tatcacgact	tcccacctct	gagacaacga	tgctctggcc	ccatttgctt	1080
gagacacaat	caacaaaccg	tcacaaggat	tggggcttgg	taaaaacaat	tgataatcaa	1140
acaacaggga	cttgggtggga	cgctgttgct	ggaattccat	ttggcggcct	ggtaccacag	1200
acgacgagag	aaataaagca	agcgggtccaa	ttcacagtct	ctgagctacc	aaccgtctta	1260
gacatcacta	ctcgttgcgga	aagtgcagct	ttgctcaatg	agcttgagat	gctcatcaat	1320
gaatcacatc	gccaacatga	gtcattaaac	ctatttggca	accatgtcca	cgagagagca	1380
aaatcactgg	ataccgatat	caatttcgtg	accaaagtgt	acgatactag	agacgctgca	1440
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aatctaggac	tgcgacggcg	gagtcaagac	tcgattgcaa	atcatggccg	gatagcgaat	1800
ggagagatga	tcaacgatca	aggccggcaa	ttggatcata	ccacttatat	ggaagatctg	1860
ccaccaatca	tagcactgtc	atga				1884

<210> 14671

<211> 207

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (163), (175)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14671

gacacaatgc	tcttctcccg	cgtggcccca	gtagccctac	tcgtcgccct	cgcgacgtcc	60
tccatgggcg	cggtcagcgc	caagcaggct	atcgaaagca	tgaatgccct	ccaaaatacc	120
gtctctgatg	cccgcagaag	catcgagggg	atggaacggc	ggnctttctaa	gcgtnattcc	180
cgtcgccagc	aaacttcagg	aaggtaa				207

<210> 14672

<211> 834

<212> DNA

<213> A.fumigatus

<400> 14672

gatattctta	caagtgcctc	cgcacagggc	ttgtgcgata	gtgttgctgc	tgctgtcaac	60
caaggctcca	ggaatccttc	gccggtgact	caagacgtgg	ttgagaactt	aagtctggac	120
gtactacatc	gagacaatcg	gtcattgacg	tttccctcta	tacttctggg	tcaccgcagt	180
cagcagcaga	ctctcaagga	tcttcaatcg	atgatcgttc	gtctcaatag	ctccgagtct	240
ggaagtgaga	ttacaaggtc	catcatcggt	caaatccacc	gcgcctctgg	agacgcagtg	300
gtggctccgt	tctgggttagc	cctgaacttt	ttgagaactg	gttcgcagct	cacgtgcatt	360
ctcgacgatt	tcatatcttt	agatcatatt	gaaatatcgg	tccagagtct	aagcagtaag	420
gccatgatcg	aggagctata	ttactactcg	ttgcctcttc	tagatcaacc	cctggcggag	480
acctccaggg	attggcgaat	ttctgctctc	gcactagaag	cggttgctct	tcaagcacag	540
caactcggcg	aagcatttcg	ccgggagctg	atggatgcgc	tatatcctgt	tctccagctg	600
ctcgcatcag	gaaactctac	ccttcagagg	catgctatgg	tatgccttga	catcctcacc	660
aattcttgca	agtacgagga	taccagcacc	atgatcattg	aaaacgtcga	ttatctgggtg	720
aactcagtgg	cattgaaact	gaataccttc	gatgtctcac	cttaccgcgc	gcaagttctc	780
ttcatgatgg	taaaattgtg	tggtgctcga	ttgattccct	atttagatga	gtag	834

<210> 14673

<211> 573

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (473)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14673

gtcgactcaa	tgtaggcat	tctggatatg	taccatggat	accccaaagt	tgtggaaaca	60
atgttcaaga	ctctggcagc	catcgtcgag	gaaggcacga	aaaccccgtc	actcctcgca	120
atcaccaatg	gcgacctcaa	gcccatcgat	catcggaagc	ggcaatacga	gagactgctg	180
gtgcccactg	tgccagagga	tttggctgcc	cgtagaacaa	agcgagccag	gtatatggat	240
gaagacttgg	aggacgatga	agaaagagtg	tcacatccga	aacagccctg	gaaagcagag	300
cctgagaagg	tcgagagctt	ggacgctgac	aacctctctg	acgtcttgaa	cgcggtatgaa	360
tccgaggagc	cactccctcc	tcctcgacag	ccggaggatg	aggagaagcc	gctcagtaaa	420
tcacacacga	ttctttctaca	cattgtcaag	tcaataccct	cgcactcgac	ttntccttcg	480
ccctaccttc	gtcggtcctt	attgtccaac	cctattcagg	gtttcccggg	ccctggcgca	540
aaacgaggac	aggtttttgc	cagtcaccaa	tga			573

<210> 14674

<211> 408

<212> DNA

<213> *A.fumigatus*

<400> 14674

gcagacggtc	catcaggctc	cccgtcttca	tcagcatcct	caaggacgag	ggaacgcttc	60
aaatcgtcag	gcagctcctt	ggcacgagcc	ttgacggcct	cctcagaaac	gtcaacagcc	120
cattcgctgt	cttcaatgtc	tttctcggcc	tctagggcct	cagcctcggt	cttgatacgg	180
cgagtgaagt	catcgctcgt	attggcttcc	aaggcaacat	cctcgacttc	accgttgctg	240
gagttgctgt	ctccagggtc	gacattgtca	ccgttggtac	cctcctcggc	cttcttattc	300
ttgcgggctc	ttctggcggc	cttgtccttc	ttccctccct	tggtagaagc	acggctcgcg	360
agaatgaagg	tgctcagctt	caaacgggga	tcaacatcgg	tgcgctga		408

<210> 14675

<211> 1287

<212> DNA

<213> *A.fumigatus*

<400> 14675

tcattctcca	caaccgtcaa	aatggctacc	gtcaacattc	gtcgtgatgt	caccgatcct	60
ttctatcggt	acaagatgga	gcgcctccag	tccaagattg	aaggcaaggg	taacgggtatt	120
aagactgtgg	tcgtcaacct	gaactcggtc	gtcagtcctt	tgagccgtcc	tccatcttat	180
gtgatcaagt	acttcggatt	tgaactaggt	gtcagggtca	acgccaagcc	caccgatgat	240
cgctggatta	tcaacggcgc	ccatgatgct	gccaaagctc	aggattacct	cgatggcttc	300
atcgccaagt	ttgtgctttg	caagaaatgt	agaatcctg	aaacggatgt	catcatcaag	360
gacgacaaga	tcattccttga	ctgcaaggcc	tgtggtcagc	gcaccgatgt	tgatccccgt	420
ttgaagctga	gcaccttcat	tctccgcgac	cgtgcttcta	ccaagggagg	gaagaaggac	480
aaggccgcca	gaagagcccc	caagaataag	aaggccgagg	agggtaccaa	cggtgacaat	540
gtcagccctg	gagacagcaa	ctccgacaac	ggtgaagtgc	aggatgttgc	cttggaagcc	600
aatagcgacg	atgaactcac	tcgccgtatc	aagaccgagg	ctgaggccct	agaggccgag	660
aaagacattg	aagacgacga	atgggctgtt	gacgtttctg	aggaggccgt	caaggctcgt	720
gccaaaggagc	tgccctgacga	tttgaagcgt	tcctcgtcc	ttgaggatgc	tgatgaagac	780
ggggagcctg	atggaccgtc	tgccctacgat	ctgcttgcca	gctggattct	cgagactgca	840
tctgaaaatg	gcggcgctcac	tgccgttagt	gatgtcgaca	tctacaagaa	ggccaaggag	900
ttcggcattg	agaacaagca	caagactgtt	gctgtccttg	ctcagaccat	cttcgatgag	960
aaaattgtca	aacagattcc	cgcccgcgct	gctttcctga	agaagatgat	cacttctgag	1020

cgccacgaga	aggccttcct	cggcggtacc	gagcggttttc	ttggcaagga	tcaccctgag	1080
ctgatctctc	tggccccgc	cgctcctcctg	ggttattatc	agcacgacct	tgtctccgag	1140
gatgtgctca	aggcatgggg	ttccaaggcc	agcaagaagt	acgtcgacct	ggcgaccagc	1200
aggaaggttc	gcaaggctgc	tgaaccgttc	cttgattggc	ttgagaatgc	tgagagcgat	1260
gacgaggaaa	gcgaggatga	cgaataa				1287

<210> 14676

<211> 363

<212> DNA

<213> A.fumigatus

<400> 14676

aggctgggtg	gcctccttcc	tttttcttgc	aatccaaaacg	gcacagacgg	acaggaatat	60
actcgcctag	tcaccatcat	cttcctctca	tccacggccg	ctctatttgc	cgacacttac	120
ctctgccgtg	tcttcccact	atcttgggaa	atgttggtga	atcttgacca	gattgagttt	180
taccatggcc	caagtcacca	gccgggcgtc	tatcagtgc	aagtcactgc	ctccagagca	240
tacccccagg	cctttccagc	attctttccc	gactatgtta	accttcggcc	cggaaatcctg	300
tgggacactc	ctaggacaag	aaccgccatt	gaccggcatg	actcatcagt	ggaacatatt	360
tga						363

<210> 14677

<211> 708

<212> DNA

<213> A.fumigatus

<400> 14677

gcagtgaaaa	aaggactccc	cacagcagcc	gtgggttgctt	caacgccccaa	gtccgagctc	60
tccgcctcgt	atgacgttat	cgtcacccgc	gccggattcg	ccgggctaac	agtcgctcgc	120
gaccttggtg	tcaaggggaa	gaagggtgctt	cttatcgaag	ctcgcgatcg	gatcggcggt	180
cgctgctgga	cagtcgacac	cggggagacc	gccaaagcttg	agatgggggg	aacatgggtg	240
cattggatac	agccacatgt	ctttagcgag	ctacagagat	gcgatttgga	tgagtttggtg	300
gaaacagtgg	cgttccccga	gaattgcgag	tcgggtcaaaa	aggcgtccc	gcaggatccc	360
gccgtcgccc	atgatccagc	cgagggccag	gcgatgatgg	agcagctgga	aggcctaattg	420
gccaagttct	tcgacattga	tggccaagga	ggacggagcg	ttattccatt	ccccttcaac	480
atggcctcca	gcaccaagca	caatcctgaa	tatctcgaac	tggataagct	gagtattgcc	540
gaccgcgtcg	cacaaatgcc	ggactgcgat	gaagagcaaa	gagccgtact	cgggtgcgcag	600
gccgcttcct	tttacggcat	tgcgcccgag	aagggggcat	tactgaagt	gcttcacaca	660
caggccctct	gcaactttga	tccagccatg	actgaaatcg	caacgatg		708

<210> 14678

<211> 447

<212> DNA

<213> A.fumigatus

<400> 14678

cagcgaccac	tagcgttcaa	cctcctcgaa	atcatctttc	tggtccttcc	cttcgagtgg	60
tggatgccgc	gcgagcacta	cgccaagctg	aatgagggtca	tcattgggtat	tatctactca	120
ccactcttac	tcatcatcgc	aacgctcgag	acccgcgagg	cacaccggat	ccggtggaat	180
cgtcgtcagg	gagaagagga	tgacgatgtt	gttcacagagt	gggaggatgt	tgctgagcaa	240
gttgactttg	atgtggacga	cacctggaga	caggccgtgc	gggacaccac	cccagatccg	300
aatgcagaga	actgcacctt	ggagatcatt	cagctgcggg	agcagatcaa	agaactcaca	360
gctgtggttc	atgcgttcat	cgagaagaag	gatacagagg	agcacatgag	ggagcaatcc	420
agttccaatc	agggtgacgc	ggagtag				447

<210> 14679

<211> 1197

<212> DNA

<213> A.fumigatus

<400> 14679

acatcaacgc	tgctaatacgg	tctagtggca	tgtggtgtgt	attcaattac	aagactgctc	60
aagggcagtc	ctgccagttc	gcaacttgca	ttaaatagcg	cgatcccaac	caacagcatg	120
actgacaact	ccctccccct	gctctatgca	ggagaacact	tggatacagt	cgcaggattc	180
ccaacactat	acgcattcag	tcctgcaa	cacgacaatc	ccctgatggg	gttcataacc	240
ggtggcggtc	ataatgccc	catctcatat	ggtggtcatc	ctggaagtcg	cagtgaggac	300
ttcttagcac	actggctaaa	taagttgggc	tacggcctac	ttgccatctc	gtaccgcgtc	360
cagagccagc	cggacgagat	catggccgca	acatcaccag	aatttcgtat	ccgtgattgg	420
ggtcttcaag	cagcagaggt	aaccaagacg	gtgattgaga	ggcatggcct	gtcgcccaag	480
gtggtgctcg	ttgcttggag	tatgggcggc	cgggtagtgg	ttccctatac	gcaagcagcg	540
aaagcacgag	ggttgaccgt	cgagctat	gtgagtcctg	cggctactcc	tggactggcg	600
gcttctcggc	ccaacccgcc	tggtatcaaa	atgacgtccg	aggggtatgc	tgcattggat	660
aggatgccgg	agcttttctc	gagccaggtc	cgtgagcaga	atattctaga	gtctcgtgtc	720
attattccag	acgacgtgta	tctccgtgac	tactacggct	gtacgcctgt	cggcttgctc	780
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gaagatgccg	acgcgaacaa	ctttcgtcag	tggcctttga	tttctgctct	gcatggtgac	900
agcatcctgg	atggacggca	tgtacttgcg	gacaaggcca	cctggggatt	tatgcagggtg	960
cagcagcttg	tgagcactgt	cgaagatcga	ggttacagat	cgctgaatcc	tgagcgctgg	1020
gaggaggttg	ttaagctggt	ccactcacga	cgggagaata	tgtgccggca	gattcatggt	1080
aatcactttt	tcttcctggg	ggagcagggc	gctcgtgaga	cggcggctgc	cattgttgaa	1140
cagctgaaag	aagctcggat	cttcattgtc	acgcttgaca	ctctgcttgt	gccctga	1197

<210> 14680

<211> 204

<212> DNA

<213> A.fumigatus

<400> 14680

cgggggatag	ttttgctcaa	catcctgatt	gccctctaca	atagcgctta	tgaggatatt	60
tccggcaatg	ctgtggacga	gtacatggcg	atcttcgctc	tgaagacaat	gcagtttggt	120
cgagccccag	acgaaaacgt	cttcattcct	cgtgagtttt	cctggtgttc	tgccgactgg	180
gctttaacta	acagcgacca	ctag				204

<210> 14681

<211> 186

<212> DNA

<213> A.fumigatus

<400> 14681

acaagtggat	tacgtggctg	tctctggacc	atatccccgc	acctctctaa	atcaacgaca	60
accgcttctt	cagccttttc	caccttagac	atcaacgctg	ctaatacggtc	tagtggcatg	120
tggtgtgtat	tcaattacaa	gactgctcaa	gggcagtcct	gccagttcgc	aacttgcatt	180
aaatag						186

<210> 14682

<211> 204

<212> DNA

<213> A.fumigatus

<400> 14682

cgcgaagact	cacaaatagc	tcgacggtea	accctcgtgc	tttcgctgct	tgcgtatagg	60
gaaccactac	cgggcgcgcc	atactccaag	caacgagcac	caccttgggc	gacaggccat	120
gcctctcaat	caccgtcttg	gttacctctg	ctgcttgaag	acccaatca	cggatacgaa	180

attctcgggtga tggtgcggcc atga

204

<210> 14683

<211> 651

<212> DNA

<213> A.fumigatus

<400> 14683

ccacatctca	ggttcttggg	ctggtactac	tacgccgcg	aaaaccataa	cacttttgcc	60
gtcgcgcgac	ggaccatgac	ccttggcaac	ttcgcgcgat	tcctcatctt	ctgctttctac	120
ccctgcatgc	cgccccggct	gcttcccgc	tcctatggct	tctacgacac	cgtccgccaa	180
gagcacgcag	agagcgtctg	ggtcggcggg	aaatctgtca	accagttcgc	cgcgatgccg	240
agtctacatt	tcacctacgc	atttgtcatc	gggtgtacct	tcattctacca	ctcgggcctc	300
gtgcacagac	tccagggcgc	acctgtccgc	aagtccccgt	tcacgcagat	cttcttctac	360
atcatggcag	tcgtgtaccc	cttgtctcgt	ctgagtgtca	tcattcgcaac	ggcaaaccac	420
tactggcttg	acgcgactgt	cgccaccttc	acggtcacta	tctgcttctt	gggcaaccgg	480
gtcctgctgc	tcctcctccc	ggtcgagtac	tgcattctgt	gggtgttacg	gcttgcgaag	540
cctgtcccca	cgacgggcga	tcgacatctg	cacaagtggc	gccagtcgca	tgggggatgtg	600
cccttgtctg	ccgagcagga	ttctgaccgg	ttctcggatt	cggttgttta	a	651

<210> 14684

<211> 315

<212> DNA

<213> A.fumigatus

<400> 14684

cccttggcaa	cttcgcgcga	ttcctcatct	tctgcttcta	ccccctgcatg	ccgccccggc	60
tgcttcccca	tcctatggc	ttctacgaca	ccgtccgcc	agagcacgca	gagagcgtct	120
gggtcggcgg	gaaatctgtc	aaccagttcg	ccgcgatgcc	gagtctacat	ttcacctacg	180
catttgtcat	cggtgtgacc	ttcatctacc	actcgggcct	cgtgcacaga	ctccagggcc	240
gacctgtccg	caagtccccg	ttcacgcaga	tcttcttcat	catcatggca	gtcgtgtacc	300
ccttgtctct	gctga					315

<210> 14685

<211> 1140

<212> DNA

<213> A.fumigatus

<400> 14685

ttatactatt	ccagtatgac	caagccacag	ccacctccaa	tcctcgattt	ctctgtcttc	60
tatggccatg	acagccaagc	aaaagcccag	ctcgtgcagc	gagtgcgcga	atgctgtctg	120
aacaacggct	tctttcagat	caccggccac	aaagtctcgc	cagagttgca	gcaacggacg	180
ttcgactgcg	ccaaacgatt	cttcgacctc	ccacttatcg	aaaagaagaa	gattgagcga	240
agtaagaatt	acccttggta	ccccgctgac	aagcaactga	cattggcagg	ccccgatgcc	300
ttcaaccgtg	gctacgaagc	cttcacagtc	cacatgtccc	agccaggcag	cgtccttgac	360
cggaaggagg	gccttttcc	gggcccagac	cttgcagagg	atcatccgta	ctgtgttcag	420
aagaagctga	attgcggacc	aaaccgggtg	ccccagggac	tcgacgacct	agaagagttc	480
aaactcgtct	cgatggaata	ttatgcgcgt	ctgtttcagc	tggcaaagga	tgtcgttgct	540
gtgctcgccc	tcacaatgga	ttatgaggag	acattctttg	atccccctgac	cgagggcgcc	600
atcgccacgc	tacgatatct	gcactatcca	cctcaaccgc	tgggtgacgc	tgaggcgggg	660
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ggcggccttc	aggttttgga	tgagcccacc	ggacaatggc	tggatgtgcg	ttgctctctc	780
tcgaatggaa	accttgtcca	atgcgttgct	tactcgtgca	atctccaggt	taaaccagtc	840
cccggggcat	acatcgtcaa	tctggcta	gtattcgcgc	gcatgacaaa	cggacactac	900
aaatctgctc	tacatcgggt	ggtcaataag	tctgggttgg	agcgtatttc	gatcccgctc	960
ttcttctactg	gcaaccgcga	ctatgtgtgc	gagtgcctgt	cgcgattccg	gaaagaggga	1020

gagccgggtca	gacatcctcc	tgccacggtg	catgaggtgg	ttgcggaagc	agtgagaggc	1080
accgtcgaga	gagcaaaccg	ttataatgcg	gaacgtcagg	ggatccacgc	ggcgcagtaa	1140

<210> 14686

<211> 207

<212> DNA

<213> A.fumigatus

<400> 14686

atctctctata	cgaaaaagag	ccactcctgg	atcgtcttta	ccctaacagg	aaattctgac	60
atcggacatc	ggccgcagaa	gatgccgatt	gcctgcatta	ccaaattttc	cggccgctcg	120
ggtaccactc	tagataagtt	taggactttc	ctggcctggc	ggaagcccca	aatacgagga	180
cgaacctgga	aaaccaagag	ccaatga				207

<210> 14687

<211> 549

<212> DNA

<213> A.fumigatus

<400> 14687

tccatctgga	gagggggaca	gcgagaaaat	tctgatataa	aatctcgaga	gctgtccttg	60
tgtagtcagt	ttgtcagttt	gccagttttc	gcagttgagg	tgaacataag	gtggaacttc	120
tggtcatctt	cttttttcgc	ttggaaggat	cagtttgccg	ggatatactt	taccttactc	180
atcgcacccc	gacataagcg	agtcaaaatg	gcagcgtcag	cgtccagcgt	cacggacgtc	240
gacatcgaga	acgtcccga	ggaaaaactg	gacgtcaaag	aaaccgagaa	ggagcctgat	300
ttcgaatacc	ctgctctctc	caaagtcgtc	gtcatcatcc	ttggtctgta	tctcgtctgc	360
ttcctggtag	cctcgacca	gaccattatc	ggagtcgcca	tccccaagat	caccgatcag	420
ttcaagagta	ttgaagacat	tgcttggtat	ggcagtgcc	acttcctcac	atcgactgcg	480
ctgcaaccgt	cgtacggccg	catctataag	atcttttagt	ttggtttcct	cccgctgtgc	540
atgtgctga						549

<210> 14688

<211> 729

<212> DNA

<213> A.fumigatus

<400> 14688

cggtggagga	tctcgatgca	caacctggtg	cagctcttgc	gtcgcaaacg	cggtaaccaa	60
ctgtggagga	tgtcccttga	tgaatcggag	catgcggcaa	gagctatggt	acagcagtca	120
ttgatggacg	actccttgca	cccgctcgaga	tcctcatctg	ctactcggcc	gcagcgtaca	180
ggtgatgcat	ttagcatacc	cgatgtgcca	acaagcgccc	cacggacacc	tgctccagaa	240
acaggtcatg	ctgccgagca	aggatcgacc	ttagaacttc	cttcagctcc	agcgactatt	300
gcctcttctg	caatcccga	tctcccagac	aaatctgcaa	gcctggggcg	tcaccatccc	360
gctgatccca	actctaattc	gttccattcc	tttcctccac	ctgccaacct	tccaagtcct	420
ccagctgcat	tcaaccagcc	cagccatttc	tataatcaac	ccaagccaag	cgcctgggct	480
ccttcaccac	ctgcacaacc	ccatacagaa	ccggcaccag	tggttttcgc	gccggtccag	540
cagccagcat	cagcggctgt	accacagtc	tcggcttcaa	gtcaaagcaa	ttcgcagggg	600
atagatgacc	aggccattgc	cctagcgcaa	aagcatgccc	gttggggcgt	gtccgcctgt	660
acatttgatg	acgttgacac	agcgatcaaa	gaactcagaa	actcgttgaa	atatctgggg	720
gcagagtaa						729

<210> 14689

<211> 303

<212> DNA

<213> A.fumigatus

<400> 14689

tggacgaacc	tcagggttgg	attacgattg	acacattgca	ggcaaactgc	agacactttc	60
caggctgccg	ctacttttct	tgaatttgtg	caaatttgga	acccctcga	acccgaaatt	120
gctgcgaaaa	tcaaatttgc	caagtaccat	gcactgagaa	ttgtgaaggc	gatcaaggcc	180
ggagaggatc	ctaacgcaac	aatccagtc	atcaagggaag	accaccaggc	ggaagggccg	240
gcagtaacgg	tggaggatct	cgatgcacaa	cctggtgcag	ctcttgcgtc	gcaaacgcgg	300
taa						303

<210> 14690

<211> 1011

<212> DNA

<213> A.fumigatus

<400> 14690

aaaaaaaggc	tttggttctt	tgcaaagcac	cttcggcaag	tcccagccgg	caaaagaaag	60
ggtccttccc	ccaaaagctg	gtgggaaaag	ttcaaagcta	aagaacaacc	taatgggggc	120
ccaaagtctc	ggaaagggct	caatcgcaaa	aaagcgattc	agagaggccc	tacacgtttg	180
actatcgatt	cagctctagc	ttttgctgtg	cagtcacctt	ctgtgctttc	tcccacgtca	240
ccgaccgggt	ttgcatcgcc	gtcaccgttg	tctcccatca	tgaatccaga	acacatgcgc	300
aaggagcttg	caaaaagcct	agatgagctt	gctgaggagt	atcagcacia	acacgcgaaa	360
agcaccacct	cgtcgcatac	gaattgctcg	ctttctgccg	gtgtgactag	ccccacatcc	420
acattgggtat	cggacagtc	attcacacct	gtcagtcagt	cgcggggatc	gctcgcagac	480
agccagtcga	ataggccacg	aagccagacg	cttccaacag	gcaccctcga	cccatctttg	540
atatctacag	aagaatcgtc	cgatcattcg	ctctctaaag	cggcttttga	gcagtcgttg	600
tctatcacaa	cccttgagtc	acctctcgag	gatgagcaca	actcgaagaa	gggccccggt	660
ctcgatacat	catccaatac	catcaagcgc	aatcgagca	accctgagat	caaggcaaaag	720
cccatgtacc	cgccctcctt	ttccaaatct	acaactgtgt	caccaattag	ttccccgggg	780
tctccaacgc	aggatgaggg	acgaagagct	cttgagcttg	tgggtgtccta	tttcgagcac	840
cagccaacgg	gactcggcgc	acaggaattc	gtaaccattg	ggaaattgat	ggagagactt	900
gagctcgcca	gggcccagca	aactgctctc	cccgggtggtc	tggcgcgcac	tgatgaactt	960
gaagatgctc	ctcaattgac	caagaaacga	agcattcaca	acctgggtta	a	1011

<210> 14691

<211> 237

<212> DNA

<213> A.fumigatus

<400> 14691

attgagaatt	acttacggaa	caccattaga	gacttcttca	gggttcctag	tgtctatgaa	60
ttttcaagca	tctgtatct	caggaaggaa	gctgacgtag	gccaaagcga	ccaaacaatg	120
acctttcgct	tggatgttga	catgaagctg	ttcgacgctg	tcgctgaaca	accatctaaa	180
gatgatgaca	gccattccaa	cgtggatcag	cttggacctg	ctctagtccg	tatgtga	237

<210> 14692

<211> 462

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (231)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14692

gcaaagctgc	tgtcctcctc	ctggcgctca	acgtcagcgc	cagacccatc	gaggagcctc	60
ctgcgcagac	aacaacgccc	gccgggtatg	gagactataa	ggattatggc	tcttatggca	120

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agtacggtga ctacggtcac tacaagcgta acgaggagcc cagccccacg accacatgca 180
ccgaaacaga aactcccact ccagcagact acggagacta cggagactac ngcaactatg 240
gtcaatatgg ggactatggt cactacaagc gtggcgaaga acccactaca accaccacaa 300
ccaccactga gaacccaagt ccctctccag caaactacgg aaactatggt caatatgggg 360
actatggtca ctacaaacgt gacaaagagc ccaccgcaac caaactgag acaccaattc 420
cctctcccaa tccccgccga cttaggcaac tatggagaat aa 462

```

<210> 14693
 <211> 438
 <212> DNA
 <213> *A.fumigatus*

```

<400> 14693
tcagacccca gcaatgctat aatctgcgag tcgtttcctt ttctcgatgt cacgatgctg 60
aagttatcga tcatgtccat gaccgtgcta ctgttcttcc agtcagAAC gacacacgca 120
acaggcgagg ttcttacagc catgactcca tcttcgacgg cccctcacgc tacgcatacc 180
gtcaaaagtag gtccaaaaga aaacctctat caatactcgc cgcacaacat caccgccgcc 240
gtcggcgatg tcatcgtctt cgagttctac ccgcgcaacc actccgtcgt caaggcggac 300
tttatggcac cgtgtgtgct tgctgcagga gaaatcttct attccggaca gttcaatacc 360
tttaaggaaa ataaccatgg gcaactggaa ggagagggtta gtgtatcgcc tatgtcgaga 420
tcacagctaa cgttttag 438

```

<210> 14694
 <211> 618
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (358)
 <223> Identity of nucleotide sequences at the above locations are unknown.

```

<400> 14694
agcagtgcac tagctataaa gcctgctacc cttgtccgtc cacaaggctt tcttcatttc 60
ctgtcacaga gaaactctt ctcttcatcc tcaacaacc tatcatccag cagcatgcat 120
ctactgagca aagctgctgt cctctcctg gcgctcaacg tcagcgccag acccatcgag 180
gagcctcctg cgcagacaac aacgcccgcc gggatatggag actataagga ttatggctcc 240
tatggcaagt acggtgacta cggctactac aagcgtaacg aggagcccag cccacgacc 300
acatgcaccg aaacagaaac tcccactcca gcagactacg gagactacgg agactacngc 360
aactatggtc aatatgggga ctatggtcac tacaagcgtg gcgaagaacc cactacaacc 420
accacaacca ccactgagaa cccaagtccc tctccagcaa actacggaaa ctatgggtcaa 480
tatggggact atggtcacta caaacgtgac aaagagccca ccgcaaccaa cactgagaca 540
ccaattccct ctccaatcc ccgccgactt aggcaactat ggagaataac ggcacctacc 600
gccaaagtatg ggggataa 618

```

<210> 14695
 <211> 807
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (266), (290), (445), (472)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14695

gtcctcatag	ggaaaaaaaa	aaaaaaaaaa	caaatggcgc	gctccgagtc	agataaggat	60
atcgatgcca	actacggcct	actcaacaat	gatgaagccc	agaattggag	tcgatgatgag	120
aagcctcgaa	cgacatcgca	tggacaatgg	ctcaaggcct	tgctctatat	cgccacagtg	180
atcgtttcgt	gcttggttgg	actcttcac	ggcgtcaag	tgcaatacct	cgataggccc	240
tgtgctcgtc	atgtctctca	ttatgntacg	tcccacattt	tggggattgn	tgagaactcc	300
ataattaaca	aaacagcacc	tgttacctcg	gacgtcgaca	taacgttcca	acctcagcgg	360
ttcaatggct	cgctgctcaa	ggagaacatt	taccgccaag	atgccagtc	agaggctcgac	420
gcagcatggg	aggcactagg	tgtanactgt	aagatggatt	accccgggat	anacgagata	480
ccaaccgtga	gcagatcgaa	gtttgcgtgt	tctgcgcgaa	gtagcagaaa	agtccggact	540
ggcgcgagac	caggtcaaga	tcaaccagaa	gtatggagga	gggtatccag	cgaatgtaga	600
gggtttccat	catctacatt	gtctagtatg	tcttctttca	attatctcaa	gatgaaggct	660
gaccagtgtg	gaatctactg	cgccaaacgc	tctactacaa	ctacgattac	taccacaagc	720
tcggtcaagg	ggctttcaag	aacgacgatt	ttatcgtcgc	acggcacgtg	tgtacgtatt	780
tcataaccga	gtttctgcgc	agagtaa				807

<210> 14696

<211> 252

<212> DNA

<213> A.fumigatus

<400> 14696

cattcgctag	cccactgtct	ggacatcctg	cgacagcagc	tcattgtgcac	cattgacact	60
ggagtccctgg	gccaaagtttg	gatccatccc	gatcaccag	aggcgtacgt	ggacttcaac	120
acagagcatc	agtgcacaaa	ctttgaagct	atccgccagt	atgctgagaa	gaatcagctg	180
ccggcacaga	ttccaaagga	tttcttgagg	ccacctaacg	caggtgatag	agtctatgat	240
gagattccat	ag					252

<210> 14697

<211> 198

<212> DNA

<213> A.fumigatus

<400> 14697

aatctactgc	gccaaacgct	ctactacaac	tacgattact	accacaagct	cgggtcaagg	60
gctttcaaga	acgacgattt	tatcgctccg	cggcacgtgt	gtacgtattt	cataccgcag	120
tttctgcgca	gagtaaggct	gacattcgct	agcccactgt	ctggacatcc	tgcgacagca	180
gctcatgtgc	accattga					198

<210> 14698

<211> 258

<212> DNA

<213> A.fumigatus

<400> 14698

attcggaatg	ttcaggactg	tgaaaagctc	attgagaatt	ttggcagtgt	agcgcttctg	60
cgtaaagaca	atacatcttg	ttcctgtggg	atcattgaag	tgtttgctaa	gttccatgcg	120
gagacgctgc	actttagggc	tgagttcacc	tgggagctcg	ggatcagtga	aaaagtagtt	180
cttgactgtt	tcactcgctt	ctctgatgcg	tataatatct	ttgaaaacag	caccatgttc	240
tgcttcatg	gtgtttga					258

<210> 14699

<211> 447

<212> DNA

<213> A.fumigatus

<400> 14699

cccggtttag	gatcgggaaa	gacattgata	gccgtgcttt	tgctgaggca	tactatcttg	60
aatgagctgg	acgatcgcg	gaatgggaag	acgcategtg	tgctgttctt	tctgggtattt	120
gtcttgcttg	ccttggggag	gtgtatacta	acttggtgca	agggtgacag	cgtcacactc	180
gcatatcaac	aggcgggcgt	tttgcgcaat	aacattgacc	agaatgttgc	gcacttcttt	240
ggagccatgg	gcactgacct	atgggataaa	cggacatggg	ataagcattt	gcagcggaac	300
atgggtgattg	tttgtacagc	ggagatcctg	aaccaatgct	tgctcaattc	atacgtaagg	360
atggatcaaa	taaaccttct	gatctttgat	gaagctcatc	atgcgaagaa	agatcaccca	420
tatgcccggt	ttgtggaaca	cttttga				447

<210> 14700

<211> 804

<212> DNA

<213> A.fumigatus

<400> 14700

cagcttcgcc	aatcgacaca	aaaggcgaca	tcacagaagc	cgcategtat	gttctcagcc	60
ggtgagcaag	gtgatatcgg	actaaccagt	tgtaggagac	tagagacttt	tttggatagt	120
cgaattgcc	caacgtcaaa	gatcacactc	ttacgagaag	ttgtcagtcg	cccgatagag	180
aaagtgtggg	cgtacaacag	gcttgagcca	cctttcgcaa	cagaacttta	taagctcatg	240
gatactcggt	atggcaatat	caaggctactc	gaaggagtct	atagatttgc	ctggaatgcg	300
agctcggaat	tgggaaaatg	gtgttcagac	agagcatggt	ggcatgcctt	ggcagatgat	360
gtgttgcccta	aacttgaggg	taacatcaac	aagcttatcg	agtcaaacac	catgaaggca	420
gaacatggtg	ctgttttcaa	agatattata	cgcacagag	aagcgagtga	aacagtcaag	480
aactactttt	tcactgatcc	cgagctccca	ggtgaactca	gccctaaagt	gcagcgtctc	540
cgcattggaac	ttagcaaaca	cttcaatgat	accacaggaa	caaaatgtat	tgtctttacg	600
cagaagcgct	acactgccaa	aattctcaat	gagcttttca	cagtcctgaa	cattccgaat	660
ttacgtccag	gggttctcat	aggcggttaga	ccggcgagca	tgggtggcat	gaacattacg	720
tttcggcaac	agttccttgc	tctggtgaaa	ttcagaacag	gagagattaa	ctgcttggtg	780
agattcacct	caaaaatgct	ctaa				804

<210> 14701

<211> 1491

<212> DNA

<213> A.fumigatus

<400> 14701

gaaaaccacg	agaaattgac	gtttcattca	gacgacgcgg	ggctcgccttg	ccgcggcgcg	60
ataaatatga	agatcgccag	gctcagcatg	gacgcgcagg	acaagacgcg	atttgaaata	120
catgggaagt	catctgtcaa	atatcatctc	aaagcgaacc	atgttgtgga	ggctaaacgc	180
tggttctgga	ctctgaacaa	cgccatacaa	tgggcgaaag	acgaagcaaa	ggaggaacag	240
aaacgccaga	caagacatgc	tgaggcactt	cgccaggcaa	agatggacca	gatcgaaggc	300
cggagtccaa	cagaggctgc	aactgaatcc	ccgaacctgg	ccgccagcaa	gtcaaattggg	360
aaaggtctag	cacctccttc	tctaagcgtg	ccaagtggca	acacttccaa	actcaccaca	420
tatgggtctc	gtacgaccct	tgacagtgtg	cctgcagatg	aggaagtctc	aatacacggt	480
tcttacgacc	agagtgtttt	gcaaaacgaa	gtcaatcggg	tggtcagtca	tgttaactagc	540
catctggatg	gcgaaggcga	cgaggacgac	tatggtgaat	acgcgtctag	tctgtatatac	600
agtccttccg	ataaagatgc	gctgaacatc	acggcgcaat	ctgcaaaact	tcaactcgag	660
attctggcca	atgtcgtcgc	tgcgttgcaa	gccgagaaat	cgaaggatcc	gaaccttcca	720
atctcggacc	ccaccgttgg	ccaagccctt	gtagcgtatg	aggcagctgt	aagcagcctg	780
gaaggtcttg	tccaaaacct	tctcaaaata	tgcggggatc	gcgattctta	ttggcaatac	840
cgacttaacc	gagaggctta	tcttcgcaaa	atgtgggagg	aaagcatggc	gcgcattgca	900
caggagcagc	aagagctgca	atcgaagatg	ggagaatccg	aagagaagcg	cagacgtacc	960
aagcgagctc	tcaaagaagc	tctggaaggc	gtgtccgcac	ataccagtgc	tctgtggtagc	1020
aagggttgcg	ctcgcataca	agtctctggg	gaagacagcc	gtgttggcgg	agatgaagca	1080
aaagaactaa	ttgcacagcc	catggaatac	atgacggaaa	acgaggagaa	cgagctctggg	1140
aagtccttac	gtcgggaagag	gtcagcccta	tctcgcatac	gcagcctgta	cgattctgga	1200

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tcggacgacg atgatgagtt ttttgatgct atcgacgctg gggagataga agtggaagac 1260
atgactactt cgaaagtgat ggagaaagaa aaggaaaagc cagaattaga aagcactgag 1320
cctcgagctg cgaaacggga cgagatagtc ccctctttca agggctacga agagcctgta 1380
cggacaagac ttaagctgga caacgacaat agaccgaaaa tttctttgtg ggtaagtgat 1440
tgcgagtaca tgcttaagtt aggattcaaa caatctaagg tgatgcttta g 1491

```

<210> 14702
 <211> 369
 <212> DNA
 <213> A.fumigatus

```

<400> 14702
ggaattctga aatccatgat tggcaaggac atgacaaaga tgactttacc agtatctttc 60
aatgagccga catcattgct tcaacgagta gcggaggact tagaatatgc tgaccttctg 120
gatatcgctg ctgaccgatc cgactcgatg gagcgattgg tgtatgtagc tgcttacgca 180
gcgagcgaat atgcttcaac aattggccgt gtggcaaagc ccttcaatcc tcttctcgga 240
gagaccttcg aatatgctcg gcccgcacaag ggatatcggt tcttcattga gcaggtttagc 300
catcacccac cgattggcgc agcctgggct gagtcaccga agtgggatta ctgggtaaga 360
tttgaataa 369

```

<210> 14703
 <211> 189
 <212> DNA
 <213> A.fumigatus
 <220>
 <221> unsure
 <222> (90), (91), (119)
 <223> Identity of nucleotide sequences at the above locations are unknown.

```

<400> 14703
gcatgtgtac tcaacagccg tccattcagc cccgcgacag tgcacatgcc tggcgagtat 60
acctgcggac gctgtctgca ggccctccan ncgaaggttt ctattcaagg ttctacgtnt 120
cgattgcaaa ctgtgatcaa ttcgccagga ccacgcagct cccccctctt cgttctcccg 180
aaagtttag 189

```

<210> 14704
 <211> 276
 <212> DNA
 <213> A.fumigatus

```

<400> 14704
tcaattcgcc aggaccacgc agctcccccc tcttcgttct cccgaaagt tagttcgcag 60
aaccaaccat tgctttgcac cccgatcctc ccaggggcaa ttgaaacgga catcatgccc 120
atctttgtcg ccttcatctg ctgcgtctcc aacggcaagg cagctaacgc accgagcctc 180
gtccacctct tcgagccaag cacaggagac aagagctttg ctgaaaccaa acaacctctt 240
tcaccctttc tcgaaatccc ctgcaccgc gatttag 276

```

<210> 14705
 <211> 822
 <212> DNA
 <213> A.fumigatus

```

<400> 14705
ataactctct cctgtgacac cgtctccttc tttctaaact tctttccaca gggagagtcc 60
gctcttaagt cgaagttcta cggcaaatca ttcgatatca acctccttgg aacctggttt 120

```


ctgaaactac	gtcccgtatc	aggcggagag	gagctttaca	catggaagaa	agttacctcg	180
tctgtcattg	gcattatcac	aggcaatccc	actgttgaca	attatggtct	gatggaaatc	240
aaaaactgga	ctaccggcga	ggtttggttac	ctggatttta	aaccgagagg	ctggaaggcg	300
tcttctgctg	atcaggtgac	tggcaaagtc	gttgatcgcg	acggaacgcc	gagatggagt	360
attggtgggc	gctggaatga	taaaatctac	gcacgccata	ctcctgggtt	cgaagcgcaa	420
gtgtccggtc	aggaccccg	atcggctaag	acattcctgg	tttggcagag	ccatcctcga	480
ccaagtggaa	ttcctttcaa	tctgaccccc	tttgttatca	caatgaatgc	tcttccagaa	540
ggcttgagag	aacatctccc	gcccacagac	acgcgactcc	gccctgacca	gcgtgcaatg	600
gaagacggcg	agtatgactt	ggctgccaat	gaaaaacatc	gggttgaaga	aaagcaacgg	660
gcgaagcgtc	gggagaggga	ggctaagggc	gaggagtacc	gccctcagtg	gttcatcagg	720
gctaaatgtc	cgatcactgg	agaggaatat	tgggcgcaca	atggaaagta	ttgggaatgt	780
agagaaagac	atgactggag	tgcgagcgaa	gatatcttct	ga		822

<210> 14706

<211> 1020

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (130), (131), (159)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14706

tacaacggca	ttctcggcgg	ccagaaatta	cagcttctaa	gcatgtgtac	tcaacagccg	60
tccattcagc	cccgcgacag	tgcacatgcc	tggcgagtat	acctgcggac	gctgtctgca	120
ggccctccan	ncgaagggtt	ctattcaagg	ttctacgtnt	cgattgcaaa	ctgtgatcaa	180
ttcgccagga	ccacgcagct	ccccctctt	cgttctcccc	aaagttagt	tcgcagaacc	240
aaccattgct	ttgcaccccc	atcctcccag	gggcaattga	aacggacatc	atgcccattc	300
ttgtcgcctt	catctgctgc	gtctccaacg	gcaaggcagc	taacgcaccg	agcctcgctc	360
acctcttcga	gccaaagcaca	ggagacaaga	gctttgctga	aaccaaacia	cctctttcac	420
cctttctcga	aatccccctg	acccgcgatt	agacagcgtg	cggcattcat	caaacagaat	480
gctttttgtc	cgcatectag	tcatacaaaa	acccgcgtag	cgctctcgcc	ccacgatcct	540
gaatctcggg	agagccccaa	aagcgcactg	cctccggccc	actctcactt	tgagtgcacc	600
gactgtggcg	ttcccattca	ctgttctgag	gaacactgga	tggatgattt	cgaggcgcac	660
ctggaaatct	gtgacaccat	cagacaaatc	aacgaggatg	accacgacct	tcattcgggg	720
cgctttttcc	ccgagttcac	ctacccaggg	ccgcaggacg	acaactttgt	cattaacatg	780
accaaattgg	acactttcct	ttatacacgg	gaatttgatg	cgatcaatca	tgaccgaagc	840
atgcgacaag	tgactagaat	gcttacgtac	ccgctgacga	tcggaagtgt	tctgcatgag	900
ctgagtcctt	acagcattcg	aaagggaggc	cgactcacta	ccgaagggct	aaagagcggt	960
agcggtaagc	tgcacctttc	ggtgctcagc	cagttacctg	taaattgtcc	aagtagctga	1020

<210> 14707

<211> 819

<212> DNA

<213> A.fumigatus

<400> 14707

gcctgcacta	agatatactt	gtacccctca	ttctcccat	tctctcctca	ttcttctctc	60
gtccttcgct	aatcttcgaa	tcttcggtat	ccactacata	gcagaatgtc	gaaactctct	120
gattaccgtc	tgttgtgctt	cgatgtttat	gggacctag	tcgattggga	atccgggac	180
gtgaacacat	ttcaaccaat	cctcgacaag	aacaattcgt	ctatttcacg	cgagcacctc	240
ctgagtgtct	accatgagct	ggagcatgag	caacaagctc	agacacctga	catgccatac	300
tccaaactcc	taaccaagat	tcattccaaa	ctggcccacc	gcctctcgct	cgccccgccg	360
accgaggaag	agagtatcgc	atttggcgaa	tcagtcggca	catggcccgc	ctttcccgac	420
actgtcgatg	ctctcaagcg	tctatcaaa	cactacaaac	tgggtggtct	gtccaacgct	480

gaccgggaat	cattogccaa	gacgaacgcg	gggagtctgc	agggcgctcaa	gttcgatcgc	540
atcatcaccg	cgcaagacgt	gggctcgtac	aagcctgaca	tgcgcaattt	cgaatacatg	600
ttgaagacag	tacaggccga	gctgggggtt	gacaagagtc	aggtcctgca	gactgcgcag	660
agtcaattcc	atgaccacca	gcctgcctcc	aaagtcggga	tcaagtcggg	gtggattgta	720
agaccaggag	ctgttatggg	caacaccaag	catactatct	acgactggaa	attcgacacg	780
ctgggtgata	tggcccatgc	tgtagaaagc	gggcaatga			819

<210> 14708

<211> 723

<212> DNA

<213> A.fumigatus

<400> 14708

ttagcgcctt	gtccctgct	actgtcctct	ctctccaaca	cacagaggta	caagccaaca	60
ttccaccatt	caagtcttcg	actaaccatt	caggactctc	tcttccccgc	cagatgctgg	120
cccgaccctt	gcgcgggcat	caccttccaa	aacgacacct	acgtctgcgg	ggaccctcgc	180
ctcgggtccc	tcgtcctacc	tcagaaatcc	ccactcaata	acgagctcgc	cacctacgcg	240
cgggttcggc	ccctctgccc	ggccgagttc	ctagacaaat	gggccaccga	tgtcgtcca	300
aacgggacat	atatctaccc	tcctgccaat	gggttcgccc	tcgacacaga	ggagcaaccc	360
atcctcggca	acgcgacctt	accgggttgg	atgaagcttg	accgtttcgc	atcgaggtat	420
ggcacctttc	tggcgccgct	gggagcgccg	tacatcgagc	gctcgttgcc	gccgagtaat	480
ctcaacacgt	ttgacgggat	gtatccgtac	aactatcacg	tgtaccaggt	gaccaaggag	540
tttgtcgtcg	gactggggcc	cattgcgcct	tggtttgagc	agccagggat	ggggacgcag	600
ttcgtgacat	ataccaatgt	gctgggattg	atcgatgatg	gttacttgcg	acggttggat	660
gagagcgagt	atgatgagaa	ggtggaatac	tcgaatccgt	atactccggg	gccgaatcag	720
tag						723

<210> 14709

<211> 555

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (401)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14709

tatcagatct	acggagtact	ttccggggcc	tcctcatggg	agaccgcggc	ggaggtgatt	60
ctgcgaccgc	tccttccctt	caccaggtta	aacggtacgc	gctatgtctc	caactcatct	120
gaggttatct	ccttacgggt	tttccatgaa	tggcagagct	ttacacagga	tgttctcgaa	180
gcatctgctt	ctttagatct	tagccatccc	gttccgtaca	cggatgatgt	gtcagaaaac	240
tacgtcgttg	gaagcgaact	tgggttaatc	ggaagggtct	ccaagaatgt	ctgtgatcca	300
gtttcgaagg	tgtttgccac	tacttgccct	tctcacttga	agttcgggtga	ttatcagtc	360
gctgcaggac	caacggacac	aagtcaagta	cctgggtatca	ntatgttcaa	tacaacagga	420
ccacctcgcc	ccgcggctgt	cggcgaactc	aagtctttct	ggacagttga	actcgaggac	480
tattcaattc	gcgaaggcta	ccagcggtta	attggcatcc	agcatcacat	tggttaagtcc	540
agttacacct	tatga					555

<210> 14710

<211> 384

<212> DNA

<213> A.fumigatus

<400> 14710

agtgttcgat	ttatttcctt	gaaacatttt	aaatacgggg	ttgagttcta	tcatttcattg	60
------------	------------	------------	------------	------------	-------------	----

cccgctttct	acagcatggg	ccatatcacc	cagcgtgtcg	aatttccagt	cgtagatagt	120
atgcttgggtg	ttgcccataa	cagctcctgg	tcttacaatc	cacaccgact	tgatcccgac	180
tttggaggca	ggctgggtgt	catggaattg	actctgcgca	gtctgcagga	cctgactctt	240
gtcaaccccc	agctcggcct	gtactgtctt	caacatgtat	tcgaaattgc	gcattgtcagg	300
cttgtacgag	cccacgtctt	gcgcggtgat	gatgcgatcg	aacttgacgc	cctgcagact	360
ccccgcgttc	gtcttggcga	atga				384

<210> 14711

<211> 1359

<212> DNA

<213> A.fumigatus

<400> 14711

ccaaaagtga	acgcggccga	cacacgctcc	gaattgacta	gacgaaagac	aaggctccac	60
cgggatatcc	tacgatcaca	cttacacgct	aattcatccg	ttctccagtc	ggcgggggtca	120
tcccatgccc	actgcttcta	tttcaaaca	aatctagttt	taaaaccaga	tgaccacaaa	180
ggaaattttc	atggttgggg	tcccgaaca	gtcccgttgt	tgagagacca	gtggagcgcc	240
ctatccgaga	ccagagatca	gagtgcgaga	ggaaggcaga	gtcctcgagg	gtcgaaccgt	300
gatagaggga	gggacagatt	ccgcgcacaga	gagcgtcgtc	gccggtcgaa	agggaaacggg	360
cgtattcccc	cgttacgggtc	gccgccacct	tcgcgttctc	aaccccagtc	agagcttggga	420
ggacctcggt	catatcgatg	aatctctccc	aataacacct	ctccgcgtgg	ttcatccggt	480
ctgccgtact	ctgaagccag	acaacgccag	aatcaagatc	atcgccaatt	tgtcgacccc	540
cagccttttg	aaggcgagag	gccgaccgga	agagattatc	gaagggacaa	ctctccatct	600
gcacctccac	cattcaagcg	aaagagaaca	cagagtccgt	cgccagtgcg	acccttctca	660
cctcgacaag	accctagcca	tcaccatcca	gcctcggagc	agtttgacga	attcgatcgg	720
ggctaccctc	ataaaaaacg	tggacgatat	ccggggcggtg	gcaggggcgcg	tcgaagggtct	780
cctagaagag	gaagagaccg	gcgtaggaag	gaatcggatc	gcttcaaggg	cctcaagtcc	840
cctttacgtg	gccccagggtc	accgaggcac	ccccgtgagc	gatataacag	cccggaacct	900
gccgacgaca	tcgaccaaga	gtatcatcat	cgatcgccct	ctcgctattc	cattaactca	960
gctgggttcga	gattttcagc	gacctcgctg	cacagcttca	gagttgacgc	aacaatgaat	1020
cctaggccaa	ttcagttctg	gatgaacaat	tccttcagat	cttcacgcgc	ccctcgacca	1080
gttcccagct	tcaatgctga	aattaccggc	gtccctacag	aaggagacc	caacgcgcgt	1140
gaaacgtttc	ctttcaatgg	agagcgggca	ttgaatgcc	atgataacca	gctctctcac	1200
ccctcacgac	tacaggcgga	tacgagtcaa	tactccactt	caccaaagta	cggcccatca	1260
agtaattcct	atcagggtatc	ccctcaatct	acatcacctc	accctggaag	acgtgggggt	1320
ctgactgggc	aatccccctca	tcaaaagccg	cgagggtga			1359

<210> 14712

<211> 324

<212> DNA

<213> A.fumigatus

<400> 14712

agacaggcat	atgtgcgctg	gcagtatatt	ccccgggcac	atgaagcggg	tttgtttgtt	60
ttcggcgctg	cacccaatga	ggtcggttct	ctacagtggg	aaggatacgg	ccgaatggca	120
agaaatgcc	aaattcagcg	accagacgag	cttggttttg	gagagatcaa	ggaccggaac	180
ctcgacatgc	agcgtatgta	tgtggacatt	attctatccg	ataagcttga	gccaaggag	240
gatgtgtcac	catacagggtg	gcattgaggag	atcatgaagg	agtttgagaa	cttgccgtgg	300
atgcaggctg	tgaatgtgaa	atga				324

<210> 14713

<211> 327

<212> DNA

<213> A.fumigatus

<400> 14713

4611

tgtttgttac	atttgggatg	gtcgttgatt	gccagccggg	cagtcctcgg	cactaccctg	60
accagagcca	ccatgtccgt	tgctccgcac	atcaacaaca	cgtaccaaga	cggtgaattg	120
caacgacgtt	gcctggggag	actgagctct	acatggcaat	tttgtgctct	caatttgatt	180
ctagcgtctt	atcacacatt	ccagaaaccc	acgtttgttt	caatgatcat	tcaccaggta	240
tgcttctcac	atgattgcat	tcaagatgtg	aggactgcta	gtacaacgac	tagccacag	300
atcaagtcca	caggcagtct	atcatga				327

<210> 14714
 <211> 201
 <212> DNA
 <213> A.fumigatus

agaacaacta	cgcacattcc	gaagcagttg	cgtgatgtag	ctttctcgat	tatccagaga	60
tctactcaaa	gcgacctgtc	ctcggtctct	tcggatgaac	ctaactcgca	ttcgtatatg	120
atgcctccgc	tcaactcatac	ataccaggct	gatatgacca	agctcttcaa	aagtcgaggg	180
cagagattgt	atcttatata	g				201

<210> 14715
 <211> 843
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (808)
 <223> Identity of nucleotide sequences at the above locations are unknown.

acatcgcgtc	tgtctgactt	ttactttata	gccgccaaac	tcgtgccaat	gggcttcaca	60
accgccacag	agatgcacgc	cagacgaagc	gagcttatct	caattacgac	agggccaag	120
caactagata	cactattggg	aggaggcatc	gaaacagggc	cgatcaccga	gatcttcgga	180
gagttcagga	caggggaagag	tcaaactctgt	catacgcttg	ccgttacttg	tcaactgccg	240
tttgatatgg	gtggaggtga	gggcaagtgt	ctctatatgg	acaccgaggg	aactttccgt	300
ccggttcgct	tattagcggc	ggcccagcgt	tatggactgg	taggggaaga	ggttctggac	360
aacgtcgcc	atgctcgagc	ctacaattca	gatcatcagc	tccaactact	caatcaggca	420
tctcaaatga	tgtgtgagac	ccgtttctca	cttcttggtg	ttgactccgc	aacctccttg	480
taccggacgg	attttaacgg	tcgtggtgag	ctgtcgctcc	gacagacgca	tctcgccaag	540
ttcatgcgga	cctgcagcgc	actggcggat	gaatttggaa	ttgctgtcgt	tattaccaac	600
caagtagtcg	ctcaggttga	cggtggtcca	agtgcgatgt	tcaatcccga	cccgaagaag	660
cccattggtg	gtaacatcat	tgcgcatgcc	agtacaacca	gattgagctt	gaagaagggc	720
aggggagaga	ccagagtttg	caagatctat	gacagtcgat	gtctacctga	aagtgactgt	780
ctctttgcca	tcaacgagga	tggaatanga	gatccaaccc	ccaaggatct	ggagaatgat	840
tag						843

<210> 14716
 <211> 552
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (550)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14716

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tttgacgaga gaacctgggg ggcgtcgatt cgcggtctcg tccgatggca tgcgcaaccc 120
acgatcaagt accagggacg caaccttgat gtaaacgcgg ccaatgcgat tgccactacc 180
tccgaccaa cttatgcatt cgcggtttgc ttgaaccata ctctgaagat atggaacctc 240
gctacgaaca gactagccgc cactaaggat ctcttaaacc gaccagtaca acagcaggaa 300
tccgcagcat actcattaaa ccccgccgaa tcatcattca ttcgtgtgtt taatgtggag 360
agagctctgg atggcgggta tcgctactac atagtcacct actcgccctt tgaggatggg 420
cgcttcaaat tctgggctgt caaaggaggc ctgacgtcgc agctggctcg cgaggacctc 480
tttctgacg ctgcactgac gccgttggac ccagacccta caggcagcat gttctggagt 540
atcgctgatn tc 552

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<210> 14717

<211> 450

<212> DNA

<213> A.fumigatus

<400> 14717

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gcgcaagatt tgcacctcgc aagtcccatc cagaccgaga gcttccaagt cggcagggtc 60
aaagtcaggc ggaggcagaa gaaaagggtg aggtcgggta ggtttccgct gccgcaggat 120
gtagttccag cgctgcacaa aatgccgcgt gagatcccg gcaggctgac cgacaacgtg 180
catcgagatg tcatgccatg gcatcctggg tatgacatta cggtcataca tctcctcgta 240
cggcttggtc agatcgtaaa agtcctgaat ccgcgggttc gagtaatcct taccgggcca 300
gagttggcag tgggtctgcgt ccttgggtcc atcgggcgtc tcaaagccag taggcttgct 360
gtcagtgaga agatgttgcg gagtgtccca ccttccgaaa caaaggctcg ttccgccaac 420
gaaagccacg gtatgggtcga tcaggcataa 450

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<210> 14718

<211> 3552

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (3432), (3477), (3478), (3492)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14718

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gggaaatacc gggggggggg gccaggacct tttcccggtt tcccctggga agggcccttt 60
ccaaaatatt tagaggagtt ccgagggtctt gaaaagtgga gatggaagtt gaagaagacg 120
gaaggcggga atggagactg cccccggaag cgaccagcgg caatgagagg ttctggaggg 180
agaaagcagc aacaaggggc aacgccgact gtcaggaggt atatccccg agacaatcaa 240
gcattaccaa taccggaggg ggagaccaat ggtgggcatt cagggtgcagc ggaacctggc 300
cagtcgacga agcgggagcc atatccccg agacagcggga agaaacttga agcctatcta 360
cagaagatga ttcgtttctt gattttcaag gcggatagca accgtttgtg taaatttctg 420
gaactgtctg ccttgggtgt ccgccttgca tccgaaggca gctatcatgg taaagaggga 480
tacctgatta tccaatcttc taaaggcctc gattttcgac gggcgctgac tccagccatg 540
gtgaagaagc ggcattcacc aaaatgggtt ctgttcggac acagctacct tgtttgcggt 600
gattcgcccc aggagatgaa tatctacgat gtgttcttgg tcgaccggtt tttcaaacta 660
caaaccctaa agatcagttt acgaaatcag aaagcggaagg agcttgccaa gtccgctaaa 720
gagtcagcca ggcaccaca gcatcacacg ctgaggctgg aaaactcggga gcggaaactc 780
agactgctgg ccaggaacga gcgtcagctc catcaattcg aggactctat caggttcatg 840
gtcaataata ctccgtgggt gaagcogaac agatttgaca gttttgcccc agtgcgccag 900
aattgttttg cacagtggct gggtgatgag cgcgaccaca tgtggatggg gtcgagagcg 960
atcaaccagg ccaaagacgt catctatata catgactggg ggctcagtc tgagctctac 1020
ctgcgacggc cagcagccat cagtcaaaaa tggcggtgg atcgacttct tcaacgcaag 1080
gcccgtaag ggggtcaagat atttgtgatc atgtatcgga atatcaactc tgctatccct 1140

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attgactcgg aataactccaa attctcactt ctgcaccttc atcccaacat cttcgtacag 1200
cgctctccga accaattttag gcagaacaca tttttctggg cgcaccatga gaaattatgc 1260
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gatatgatat ggtcctccat gaatggcgc cgtatcttg tcggacgggt cccgcatacc 2340
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tcgcaaatgc tcgaagactc cgttgagggt ctggtctcgc ctatcgctag tgagggcaaa 2820
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gacaatggcc tcctgtcgcc gtcatacag ataaaccgat cggcgaagta tccacacca 3060
ctgatcccag atctcaagca catcttcatt gacaaggact gcatgagaga cctgtgatt 3120
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ggggtcacag angccccgac gagaagagag aggtcgcga aggtggacgc gatgcanntg 3480
atcgaatgca gnccgatctt gcccaagcag aaacattatc gtcaattgac gagaggactg 3540
cccttgaagt ag 3552

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<210> 14719

<211> 882

<212> DNA

<213> A.fumigatus

<400> 14719

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ccgcccctgg cttcttcaaa aggagcagcg aggaacagcc ggtggcgcat ctggctcgg 120
ctgattgggt ttgcgtggaa gtcgttgttg aagacggcca aagtagcagt caagctccga 180
gaagtgtatc tcttctcat tgcctgggtc cttctttcag acgcaatggc gacggtgtcc 240
ggcacggcca ttttatttgc gcgcacagaa ctaaagatga gcacgacagc cgtcggacta 300
ctgtctatca cagctacgct gtcaggcatg gccggggcct ttctgtggcc agtggtttcg 360
cggcggctcc gactgaagtc caaccatact attatgctct gcatcgctt gtttgaggtt 420
atacctcttt acggcatgct tgcttatatt cctctcttca agaaatgggg cgtggttggg 480

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```

ctccagcagc catgggagat tttccctctg gggattgttc atggcctcgt atctgggtgga 540
ctgtcaccct actgtcgctc ctttttcggg ctacttatcc ctccctggtag tgaggccgca 600
ttctacgctc tatatgccgc tacggataaa ggaagctcgt ttattggccc tgccatagta 660
ggaatgctga ttgatgctac cgggtcagggtg cgggtccggct ttttcttcat tgcgggtcctg 720
atccctccttc ccataccgct gatctggatg gttaatgcag aaaaggggcg gcaggacggg 780
ttagctatgg cagatatatt agaaaagtcg catagagagc atgcctccga gtatggaggc 840
ccttcggaag aggccgaggg actgctggct cgcgatatat ag 882

```

<210> 14720

<211> 264

<212> DNA

<213> A.fumigatus

<400> 14720

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atcaatgcc aaggcatagc tatcggattg cagcactgt cactgcaaga gatcatcagt 60
ctgaaacccg ccgtctatta tctgagttgg cggctcagac gcttaggcct acaggctaga 120
atcccagcct actcctccca gcttctgagg ggcgatttcc gcgttccaga ttatcgccgt 180
cacgaactat cacttagtga tcattacgag gccgtgtacg gactacctga gatgacccaa 240
acttcgggtc tttcccgaat ctga 264

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<210> 14721

<211> 1797

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (8)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14721

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gaccgttacc aggagttttt tgtcgtggaa ccggaattca gaccaaacac ggaccacga 180
cggcttgcca ccagtgtctg ggaagataag tataaactgg atgacgagat ggtaccgtca 240
atcatcagat aggactttgc gaagaaagtc tttcttatcg gcaaatcttt gaacttcac 300
agatacggat gcggggactc tggatgggtt gaggcctact ctaaaaaagc gtccaaagag 360
ctgcactatg gtgatacggc tagcctcgag gcacgcgacg atgaggccta caaacgact 420
atggcgcgcc tcatccacct catggccgaa aagtttaagc tgttcgacca cttgcatgcg 480
ctcaagaagt atctgctcct gggccagggc gacttcacgc ccttgcttat ggaatccttg 540
gcatcaaacc tcgatcggcc tgccaattca caatatagac atactctcac cgcgcagctg 600
gagcatgcca ttcgtgcttc caacgcgcaa tacgatccgc ccgacgttct ccgcgcgctg 660
gatgcccgta tgttggaact cagtcacggc gagataggat gggactgctt tactctcgaa 720
tacaagatag atgcgcctgt tgacgttggt atcacgccct ggggctccac ccaatatctg 780
aagggtgttta atttctgtg gcgagttaag cgcgtcgagt ttgcctggg cagcacttgg 840
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gactggaaac gggcgagggt cgtcatcgcg gaaatgattc attttgtttg ccagcttcag 960
tactacatcc tctttgaggt catcgaggcc agttgggac aattgcaggc agaaatctcc 1020
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caaactccaa ctgtcggggg tgatggcgat ggggttcgata ccccgggatc tctcgccggc 1440
caagagcttt ctgccgacga ccacatgctg gcaccccttc gcacacgact gcgcgagctc 1500

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tctgcagagt	tcgctccag	gctgaatgtg	ctactgggcg	atctagccta	ccaaccatat	1560
gtcgacatgc	gcttccttgg	agtcgtcatg	aacttcaacg	atgtctacga	accagtccgg	1620
aggaggagga	cggcaacagc	cagcaccaag	gacaaggagc	gggcaaggcg	aaaggctgca	1680
gcatctaccg	cgcttgagg	cagcggcgag	gcagggtccc	aaaaggaagc	cagaaggag	1740
aggaaggaca	cctcgggagc	cgagcatagc	ggtaatggaa	gtggaaccgg	gccatga	1797

<210> 14722

<211> 1119

<212> DNA

<213> A.fumigatus

<400> 14722

ttcactcttc	ttgcatcatt	tgcagtatct	ctaataaagc	gtgcaatata	ctcaattctc	60
caatccacc	tgacgtcccc	gagaacaccg	cttacgtccc	ccatgtcgag	cgaggaatcg	120
gcgagccgt	cgcatgtttc	cgcgtcaaaa	aaggcaggcc	gcaagctcaa	gcacgcgaag	180
gatacatctg	cactagaaga	tagtgaggac	aaggagggtg	ttcagaagca	caagaaaagc	240
aaagacaaga	agaaaaagaa	caagtccagc	aatgggcagg	tcaccgagga	cgccgcagtg	300
acggccgacc	ctagcgaaaa	gaagcagaag	cagaaagaga	agaagagcaa	gaagcggcgg	360
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<210> 14723

<211> 189

<212> DNA

<213> A.fumigatus

<400> 14723

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<210> 14724

<211> 2430

<212> DNA

<213> A.fumigatus

<400> 14724

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<210> 14725

<211> 1239

<212> DNA

<213> A. fumigatus

<400> 14725

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tgcatatatg	gtccgaagct	gatttcgctt	actgctcggt	actcaacagc	tgcacctttg	180
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gacttggact	ccgaaggacc	cgaacccttc	attccgcgcg	cgaaaattgt	gagaccaagc	480
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gggctgggta	aagagcctgt	tccagagttg	gtcaagaaag	ttagacaatt	ctctgcctct	1200
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<210> 14726

<211> 195

<212> DNA

<213> A.fumigatus

<400> 14726

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acattaaaga	atatctacag	tattcagcag	cgtcagacta	cctcaatgaa	aggaaagcgt	120
gtttgggctt	ttggagagag	acatttcaga	agcggaaaaac	tgcgcttgac	aatgatgcct	180
tatcaatgcg	gataa					195

<210> 14727

<211> 642

<212> DNA

<213> A.fumigatus

<400> 14727

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gaattgggct	gggtaaagag	cctgttccag	agttgggtcaa	gaaagttaga	caattctctg	180
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cgcaatcgct	ggcttcggac	gaagggtgctc	attatcgatg	aagtgtcgat	ggtcgatggg	300
gacttggttcg	acaaactcga	agaaatcgcc	cggagaatcc	gaaataatgg	ccgccctttc	360
ggaggcatcc	aactcgtcgt	tactggcgat	ttctttcagt	tgctccaggt	acctgaagg	420
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accattctcc	tcacacatgt	ttttcgtcaa	aaggacctg	agttcgccga	aatgctcaac	540
gaaatgagat	tgggtaaact	caccctcgg	acaatcgaaa	cgttcaaattc	attgtccggt	600
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<210> 14728

<211> 852

<212> DNA

<213> A.fumigatus

<400> 14728

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gaattctact	caaaccttgt	tagtattacc	gatgctcttg	ctccgaagag	ctcaaagcct	780
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852

<210> 14729

<211> 1632

<212> DNA

<213> A.fumigatus

<400> 14729

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caaggcgcca	cattcgagaa	ctgcggagtg	ggcattgaca	tgaccagcaa	cggactggga	180
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<210> 14730

<211> 975

<212> DNA

<213> A.fumigatus

<400> 14730

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<210> 14731

<211> 1296

<212> DNA

<213> A.fumigatus

<400> 14731

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gatgacagtg	taccccgacc	cgccgtccag	gttgtgggtc	gctgtccagc	cccaaaagtt	180
ctcgatatac	gccgacgaac	tcttgggtcag	atgcatcacc	atgtacgctg	ccatgcactg	240
ggaggtgtcc	tggttcgtgc	acccgggtcga	gatgctcgtc	tcggcggtgc	cgccgaccgt	300
gacaatcgtg	ttccacaagc	ccacgtcgcc	cggagcgctc	ccggccatat	tgacttcgag	360
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gcccacgtcg	cctgggttgc	caaccgggac	aacagccttc	ggattgcggg	cacccttgaa	480
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gatttgctat	atttgtcagc	tgacgaccac	acggcgcaga	cgagagagag	accaaccaca	1260
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<210> 14732

<211> 198

<212> DNA

<213> A.fumigatus

<400> 14732

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gctcatctcc	gtcacattta	ttttggccaa	tcagaggaca	agctcctgca	tctcaatcag	180
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<210> 14733

<211> 372

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (349)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14733

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<210> 14734

<211> 642

<212> DNA

<213> A.fumigatus

<400> 14734

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atcatctcac	tcattccgaaa	cgacatcact	aagctggaga	acgtcgattg	catttgtcaat	180
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cattttgagc	tgcgaaaggg	tgacgataga	cctgagatgt	tactgcgag	ctgctaccgt	420
cgaagcttgg	agctagctgt	cgaaaacaac	atgaagagca	ttgcttttgc	tgcgataagt	480
accggcgtct	atggatatcc	aagcagcgag	gcggcctttg	cagctcttga	tgagggttcgg	540
aagtttctgg	agagacctgg	taatatcgag	aagctggaaa	gaatcatttt	ctgcaacttc	600
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<210> 14735

<211> 729

<212> DNA

<213> A.fumigatus

<400> 14735

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atacgatcat	ccaaatcacc	tgttccgccc	accacagaac	cctccgcctc	cgcctccgcc	180
tccgcaaatg	cctcgccctc	actcccccaa	acacaaacgc	ctacaccacc	gcagtcata	240
cctcgcccca	agcgaccatc	tctctcctcc	ctcttccgcc	aacgctacgc	gacctccca	300
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ttcctgaaca	aggactacga	aaccatgcat	acgaagagcg	atatggtgct	ggtgaacatg	480
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attgttaact	ttcggtgggt	tgttcgcttt	ccctctact	ctgtttcaga	ctctgcttct	600
ccggatatgg	agctggaata	tgctgacggt	atggttgtgc	taggtcgcc	gctaactcta	660
aacacaccgc	catcaagcgg	attatcggtc	tccccggtga	tcggattacg	actcgtgaac	720
cgtgcatga						729

<210> 14736

<211> 390

<212> DNA

<213> A.fumigatus

<400> 14736

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ccgttcaatc	atgtctgggt	ggagggtgat	gcggaggatc	cgaagaagtc	gcttgacagt	180
aatacgtatg	ggcctgtgag	cattagtctc	attacgggcc	gagtgattgc	cgtgttgagg	240

ccgcagttta	ggtggctcaa	ctggcaagat	tgggagaagg	gggttggtga	aggtgatgag	300
gacacacagat	ttggggagaa	ttatcgccag	gatgtccggc	aacgggtggt	gaaggaggct	360
gtcaagttgg	aaagacctca	gatagaataa				390

<210> 14737

<211> 798

<212> DNA

<213> A.fumigatus

<400> 14737

tctgaaaaat	gtgaacgagg	attggccgct	tattcggggc	aagttgcaac	tggagtacta	60
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aactcaacct	gcctaggccg	aagccgaaga	aatatcttga	agtacaaccg	tgcttctccc	180
tcatcaatgg	tgacatgtgc	tctgcgcccc	gcaggtatat	acggtgagaa	ggacacgaca	240
tttaccttca	aggtcctgga	gcacgcggcc	aaagcatccc	cgaccgtttt	gcggatgcag	300
ctcgggtgata	acaacaactt	attcgacttc	acatacgttg	gcaatgtcgc	ctactctcat	360
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cccctagacc	atgagaaagt	agacggtgaa	gctttcaaca	tcacaaatga	ctctcctgtg	480
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caggtgtggc	agctttcaga	ggatcttctg	gggcccgttg	gcgcgcgtact	cgagacggta	600
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<210> 14738

<211> 432

<212> DNA

<213> A.fumigatus

<400> 14738

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tccgatctgt	gggaaagcac	attgattaat	gatgagacgt	ttgactatgt	cgttgttggt	180
ggagggtactg	ctggtgttac	tctcgcggtc	cgtctagctg	agcagaaact	ccgtgtcgca	240
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gccagtatag	gtgtgggctc	tgaattagag	tctggaacgc	caatcgattg	gaaatttgtg	360
gctagaaatg	tcactggtgc	taatcacctg	gacatccatt	atcccagagg	caaattgtct	420
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<210> 14739

<211> 648

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (70)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14739

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gatgccagcg	ttgccctccc	gaaaccagaa	ggggactctc	gattcgataa	tcctcggttg	180
gccgatcggt	accccagatg	cgttgcgaag	gtctccgttc	tcgacctgcg	gacagccaac	240
aatcgccctac	ccggtgcaca	gtactacgac	ggcgacatca	catccgaaga	atctctgctg	300

gctatcttcc	gcaaagtcaa	gccggacgtc	gtcattcata	cggcgacggc	aaacgttttg	360
gaaggaaata	aggagctgct	gcgcaaggtc	aatgtcgtatg	gaaccaagac	gttactggag	420
gtcgcggggc	gtgatcgtgg	cgactggggg	ggaaagtgc	aggcctttgt	gtatacgagc	480
tccgcctccg	ttctgcacga	cacacagagt	gatctgaaaa	atgtgaacga	ggattggccg	540
cttattcggg	gcaagttgca	actggagtac	tactccgata	ccaaggtttg	tttgtcgaca	600
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<210> 14740

<211> 549

<212> DNA

<213> A.fumigatus

<400> 14740

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accatatact	gtcagttgtc	atcccccgta	cgctccaac	atactaacct	actcagaaca	120
acaactgact	ctctcatcaa	ttgggcccgt	caaggctcct	tgtggccctt	ctccttcggc	180
ctggcctgct	gcggcgtcga	gatgatggcc	gcctccatgc	cccgatatga	tcaagaccga	240
cagggaaatca	tcttccgcgc	ctcaccgccg	caagcagatg	tcatgctcgt	cgcgggaacg	300
gtgaccaaca	agatggcacc	ggcgtctgca	cagctgtacg	accaaagtgc	cgatccgaag	360
tgggtgatta	gtatgggaag	ttgtgcgaag	gggggcgggt	attatcatca	ctcttatagt	420
gttgtccggg	gcgtggaccg	gttgggtcca	gtggatatct	atgtgcctgg	ctgtccgcgc	480
acgccggagg	cgctgctata	tggcatcctg	tttttcacca	caggggcccgc	ggccatccgc	540
gcatgcaat						549

<210> 14741

<211> 1281

<212> DNA

<213> A.fumigatus

<400> 14741

acaaccgcat	ggatcaccca	atgtgtgaag	caaaggcaga	cgtcaaccc	cttctgcca	60
ataggacaca	aagccttccc	tccgagaaga	gaatggcttc	cgaagaacca	gagcccaccc	120
atgatgctaa	acgaatcaag	acctcagcta	caacaaggag	gattgctttc	ccagagaagg	180
catgccaggg	ccctggaacc	gttgtggagt	gttctaattg	ctctgcagcc	tgcagtttta	240
gaagaacgaa	atggagagat	tgaatttcga	gttgtcatca	acaatgatgg	ttctcgcgac	300
agtacaatta	tccttacagg	cctcaaattgc	ctgtttcaaa	agcaactgcc	aaagatgccc	360
aaagactaca	ttgcacgtct	cgtctacgac	cgtaccatt	tgtctatcgc	catagtga	420
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gaaattgttt	tttgcgcggg	ctcatctgat	cagcaggtga	aaggctatgg	agcgcactcg	540
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gccaataact	acgccacagg	atattttcaa	aaacaagggt	tcaccaaaga	gatcactctt	660
gacaagtctg	tctgtgtggg	gtacatcaag	gattacgaag	gggtacact	tatgcaatgc	720
tccatgatcc	ctcgaatacg	gtatcttgaa	gttggccgta	tgctcctcaa	gcaaaaggca	780
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cacgacttta	agttgatttt	caaaaattgt	cggcagtata	atgacgcaac	gacagtgtac	1200
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aagcatccga	gcgggtgctca	g				1281

<210> 14742

<211> 234

<212> DNA

<213> A.fumigatus

<400> 14742

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tggatgcatt	atcgcgagaa	ccacgccatg	aaccttattt	caacgagttt	cggcgatttc	120
tcaatcaa	atccaaaaccac	aaacaaggat	ggccttttct	gcaaccactc	aacaaagatg	180
aggttcccga	ttattacaat	gtcattacat	caccaatgca	cctgtcgcact	atag	234

<210> 14743

<211> 1065

<212> DNA

<213> A.fumigatus

<400> 14743

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ctcataggcg	ccggtctact	gatccccgcc	atcatctgcc	tcttgctcgc	cttgcaagtgg	180
ggaggaaaca	agtaccctcg	gaacaattcg	cggatcatcg	gcctgttcgt	cggcttcggc	240
gtcatggcta	tcctctttgc	attctcgcag	gtcaagttgg	ctgacaaggc	taccctgcc	300
ccgcgcgatg	tcaagaaccg	cagcgtcctt	gccgccacgc	tctttgctct	gttcttcggc	360
ggtgctttct	tcgtcctggt	ctactacctg	cccatcttct	tccagagcgt	caaggattcc	420
tccgccatga	agtccggcat	ccaactcctg	cctctgatgc	tagccaccgt	cgtctcctcg	480
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accgccatcg	ccgccatcgg	agccggtctc	gtcaccatgt	acgagatcga	catctccacg	600
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ctcatgaacg	tgatcaaggc	ctacatggac	ggattgcggg	cttcatatcg	tgtcagttta	960
gcgctggtgc	tggtcgcgtt	tttggccagc	ttgttgatgg	agtggaagag	cgtcaagaaa	1020
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<210> 14744

<211> 513

<212> DNA

<213> A.fumigatus

<400> 14744

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aagatcctta	ctcacgaacc	tgaatacgat	cccctgtggg	agaagtacgg	cctaacaag	180
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acgcgctttt	tcacagaacc	ggttcgggac	aaagagcgct	ccgagaccat	gacgcatatg	300
attcgcgcct	atctcaactt	cttcaatgag	cgtggcctgg	agacgtggat	tgcgcatgga	360
accttactcg	ggtggtggtg	gaatggcaag	gtactttttg	cgcctagaag	tttagggact	420
gtagctaata	ccggcgacgg	gggtgtaggt	tctaccctgg	gattgggaca	tcgacacaca	480
agtgtcggat	accaccctgc	tgcgcctggc	tga			513

<210> 14745

<211> 282

<212> DNA

<213> A.fumigatus

<400> 14745

ttcagtcct	cagaatgtaa	cactccgcct	gcattcattt	cttcaaccgc	ggattccctc	60
-----------	------------	------------	------------	------------	------------	----

ttatccctct	atcactcctt	gccttgtcac	ccctatcacc	aactggccta	ctccagcttc	120
aagtggatca	tctcccttgg	cgcccccccg	ttctgggaga	acgggtgggga	gttgtcggat	180
caaccactgg	gaactgactt	ggaccattgc	gccattgcga	tgettccaac	tttctactca	240
aactatctat	tctctgattt	gacctegtct	agtccttctt	ag		282

<210> 14746

<211> 453

<212> DNA

<213> A.fumigatus

<400> 14746

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gctgaccagt	tcaaccaaac	cgctgtccac	tacacggctg	ccgactccag	cgtggagcgg	120
agctacctcc	tggacgtcaa	cccctgggct	cgacagcgcg	aacgcggcca	gggactcaat	180
attatcgatg	cgcggtggat	cgacaggcgg	acgggtctct	atattgatat	cacaggactg	240
agtaggctgg	aaccggagaa	acccagtcta	tggcaggata	aaaacgacca	caagtatcag	300
acaggggaca	tttaccacct	gcgcaagacg	acttttgaag	gagtaccggc	caagatcccc	360
ttcgactacg	actctgtctt	aatcaaagaa	tatactcagg	aagcgttgac	gagcaccaaa	420
ttccacaagt	acgtatcctc	cggaaatttt	tga			453

<210> 14747

<211> 318

<212> DNA

<213> A.fumigatus

<400> 14747

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cagtcccatc	ctcgaacgga	tccagcagct	ggacctcata	ggcgccggtc	tactgatccc	180
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ttcgcggaac	atcggcctgt	tcgtcggctt	cggcgctcatg	gctatcctct	ttgcattctc	300
gcaggtcaag	ttggctga					318

<210> 14748

<211> 867

<212> DNA

<213> A.fumigatus

<400> 14748

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gaactcatga	actctttccg	tcctgactgc	ttcccagca	acgtgttccc	tgtgctccgg	360
aaactgccca	tgtggcttct	gcccagcttg	agaacgatgg	aaaggctccg	gaaagagtat	420
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gaggctgaca	gagtcgttgg	cagggatcga	atgccagact	ataggacat	tcctaacctg	720
cctactgtga	gagctattgt	caaggaaaca	gtccgatata	gaagtattgt	cgcagaaatg	780
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<210> 14749

<211> 183

<212> DNA

<213> *A.fumigatus*

<400> 14749

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gaagcctatg	cgagtgtcaa	catgtgtcct	acatggccgc	tgcgattgga	gcagaatggt	180
taa						183

<210> 14750

<211> 195

<212> DNA

<213> *A.fumigatus*

<400> 14750

aagatagctt	ttagaacaaa	gtttagacat	tttaaatacc	taattatact	atttagatta	60
accaacacac	tagcattatt	taaaagggtt	attaaggaag	tactatataa	ggttctatac	120
tactttatag	tagtctacct	aaataatatc	ttaatctttt	tagagaatat	taaggagggt	180
ctacaagagc	tttag					195

<210> 14751

<211> 267

<212> DNA

<213> *A.fumigatus*

<400> 14751

ttcctaagct	atagaatccc	taacactaca	ttatactgtc	ctattagtat	aatatttaaag	60
tttagatatt	taatatatcc	taatataact	attaggactg	gtcctaattt	aattataatt	120
aagagagttc	ctaaattttc	tctattttaga	cctataatta	gttcaggcac	tatctttatt	180
tttcctagaa	tccttagctt	ccttataaaag	gctaggttta	taaagttgcc	tattactcct	240
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<210> 14752

<211> 1392

<212> DNA

<213> *A.fumigatus*

<400> 14752

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<210> 14753

<211> 498

<212> DNA

<213> A.fumigatus

<400> 14753

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ggcgttgtct	tgtggtatga	ctctgacgtg	taccagcgtc	gcgcagctga	ccgctatcgt	120
ctccggatgc	accgtgcccg	gacggtcgct	ttaacatccg	atgagattgt	cgaagtacga	180
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gccctcgttg	tcctcaagat	cttcaccagc	gagttctaca	gcaccggtgc	tctctttgct	300
atctacggaa	caggcgctact	catcatcggt	cttttccgtc	gtcagcaggg	aaaccgacag	360
ttcttttctg	aactcggaga	agacgggggtt	cctcgtcaca	aattcaagac	gagtgggaac	420
gcagtgcctg	tccttacagc	cctgagtggtg	gctgcgtatg	caaccctcat	tgcgctgact	480
gtgcggctgg	gccgataa					498

<210> 14754

<211> 276

<212> DNA

<213> A.fumigatus

<400> 14754

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ctacttagca	gatatacact	tgttgctccga	ttgtccaagt	tattcaaagc	caccatcttc	180
gaactttacg	gggtccccat	ccaatcgttc	ggacaagagg	ccgacgtggg	ggcgtggggg	240
caactccatc	aatccccgtc	agttttgtct	ggctga			276

<210> 14755

<211> 210

<212> DNA

<213> A.fumigatus

<400> 14755

aaagaacagt	cgcgccctacc	caccaataag	tatcatcggc	cgattcttca	tatgcttcag	60
ttcgcccatg	ccagcgtgct	tggctttttt	gcgcttaacc	gccatcccga	tcagatcaag	120
gagctctcgc	tctctctgat	tgacctcccc	gccctgggtcc	tggatgcgag	cggccgcttc	180
cgcgactca	agaagctgca	gttctttttg				210

<210> 14756

<211> 498

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (439), (447), (450), (469), (471), (472), (486)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14756

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tgggatacct	tctgccacct	ggagccctcg	cggaccaagg	gtgccaacgg	cgatgttgcc	180
tgtgatcact	atcatcggtg	tgaagaggac	tttgacctac	tcgcgcgata	tggcgcgaaa	240
gagtacagat	tctcgatttc	ctggctcggt	ataatcccc	tgggaggtcg	agaggatccc	300
gtaaacgaag	ctgggtgtcg	attctacaat	aagctcattg	attcgctgct	ggcaagaggc	360
atcacgccat	gggtgacctt	gtaccattgg	gacctgccgc	aaacgctgca	tgataaatac	420
gggggctggg	tgaatgtcnt	taaatcnccn	aaagattttg	agagatacnc	nngggtctgt	480
tatgancggt	tcgggtga					498

<210> 14757

<211> 738

<212> DNA

<213> A.fumigatus

<400> 14757

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gtcttcagtc	agagttcggt	caaccttctc	gtgtcaaact	atctgacgca	gatacctgaag	120
gacaccggct	tgaagaccga	gtttgagata	accctgggtg	acggcatggt	caccttgtgg	180
cagtatatgt	tcgccatcac	cgtgaccttg	atcattgacc	gattcaagcg	acgcttcttc	240
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ttccaggcct	tttacacctt	tgcctggacc	aatttgatcg	tcacctatcc	cttgagatc	420
gtgacgtatc	agatgcgcgc	gaagacgtgg	gcctttgtct	tgctgaccat	ccagggtgtca	480
tccatttttg	gcggtatgt	caatcccatc	gggctgaaaa	atatcggtcg	gaaattttac	540
atctattact	gtgtatgggt	cgccatcgta	ttcgccgtcg	tgtatttctt	ctttgtggag	600
actgctgggc	cgacgctgga	ggagttgacg	taccttttcg	agggccaaga	ggagaagaag	660
cagttggcgc	ggaagattga	ggagcttaag	caggatgttc	atgtatcaga	gcatgtcgaa	720
aagcttaggg	gcctgtag					738

<210> 14758

<211> 1437

<212> DNA

<213> A.fumigatus

<400> 14758

gaaaccacac	atgcaacttt	gtttggggct	tcttcgaggc	tttccccctt	cctaaatgca	60
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gagtctctcc	tggccacgcg	gcgagtcgcc	tttcggctct	ccccgcgcag	ctatcgccag	180
ctagtaccaa	gagctcgtca	acacagcaga	atcgccacgg	cagctgtaga	accatcgaca	240
acaagccacg	acactacgta	ccctctcaac	ccttctctcg	cctcctcacc	gtccgcaaga	300
tggacagccc	ttcgatccgc	cagacccttc	tcgacttcc	tcaccgacgg	cttcaaccgc	360
caacatgact	acctccgcat	cagcgtcacc	gaacgctgca	acctccgctg	tgtatactgc	420
atgcctgaag	aaggggtccc	gctctcccca	cctgcgcacc	tcctcaccac	cccggaaatc	480
gtgtacctgt	cgctcgctgt	cgtgtcgcaa	ggcgtgacca	agatccggct	gacgggcggc	540
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aacgggctgc	gggagttgtg	tctgacgacg	aacgggatct	cattgcatcg	gaagctggag	660
gatatggttg	aggcggggct	aacgggtgtg	aatctcagtc	tggacacgct	ggaccgcttc	720
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gaggtgcggt	tcatcgagta	catgcccttt	gacgggaata	aatggagcca	gggcaagatg	960
gtctcgtaac	aggagatgct	ggcgatgata	cgggagaagt	acccgtctct	ggagaagggtg	1020
gtcgggcaca	agaatgatac	cagcaagacg	taccggatcc	ctggcttcca	gggccggggtt	1080

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gggtttatca cgagtatgac gcataatttc tgcggcacct gcaatcggct gcgcatcacc 1140
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attcgggaagg agaatagatg tcagccgatt gatgaaacta cactaaaaga actgcagctt 1260
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gagcgagagc tccttgatct gatcgggatg gcgggtaagc gcaaaaaagc caagcacgct 1380
ggcatgggcg aactgaagca tatgaagaat cggccgatga tacttattgg tgggtag 1437

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<210> 14759

<211> 570

<212> DNA

<213> A.fumigatus

<400> 14759

```

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gctcgtcact atcataagcg cagcaataac agcgcccccg actctcgtcc cgaacacaag 180
ccagaaccag ctccagcagc tccatcgta ccatcaccgt ccttcccaac aacctccgag 240
cccgacctcc cgcacctcac cccttcccaa accgtgcaca tgaccagat caccgaaaaa 300
cccatcacag ctcgatccgc aacagcaagc tgcctcgttc acttctccaa cgcacgacca 360
cacgagctcc tccgcaaggg cctcaccaag aaaggcgacg tgttcagcgt cgcccgcatc 420
gcggggataa tggccgcaa gaaaacgccg gacctgatcc cgctttgcca tccgagtatt 480
gggattacgg gagtggagggt cgatgttacg cttgttgatc ctgctcctct gtcttcacca 540
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```

<210> 14760

<211> 597

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (474)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14760

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ttctcgggct ggattggaga caagttcggg cgacgtcttc ctacagcctt gggatcggtg 180
atcatcatcg tcggggctct cgttgagttc tttgccacct cgttggacat gtacattggt 240
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accgagttgt cgcaccccaa agaacgagtg caaatcacca ctttctacaa cacctccatc 360
gtactagggt atgtgattgg tgcttgggcg actttcgggt gctaccgcat cagcagccaa 420
tggtcctgga ggctgcccac cctcatccag atcatcccat cggcctatca attntggctt 480
catctggggt tgcctcgaaa tccccctcga tggcttattg ccaaagggtc ggttgcagga 540
aagcacgcgc gattttgggtc aaataccacg gagaatgtga tcccacctcc gagctag 597

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<210> 14761

<211> 294

<212> DNA

<213> A.fumigatus

<400> 14761

```

gaggatgcga gcaagtcttg caattttgag ccgatctacg ctggtgcacc gacttgtgca 60
tcttcttata ccgtactcta tcctctgaaa gacacaaggg ctctccatac aatggctccc 120
gctgctgccc atgctaccga tggcatotta tcgacaatcg acctgaagtc aattccctct 180
ttctggcgtc ggaagaatgg tattttactc tacttctcgc tcacctcgtc cctcctggcg 240

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agtgcagctc taggcattga tgggggtgagt gaaactcccg tctcccgttc ttag

294

<210> 14762

<211> 951

<212> DNA

<213> *A.fumigatus*

<400> 14762

gcttcagatt	cagcaatgaa	agaggatgaa	ggacgggaat	ctccattgct	taaccattat	60
ggtccagatg	ggagagaatc	tcaatcgttg	ctctcgggac	ctccgaccaa	agaaaccaat	120
gggacaaccc	atccctttac	aaacagtcct	cccctgacct	ctccttctgc	tcctcctggg	180
tcgcaccaat	atcgatcatc	gatatctcag	cccgtctccg	atgggcaacg	tcgccctcgt	240
acaatgaatc	gtgttcgggt	tgatattgag	gaagaatcgg	aagaggaaag	tctcccgaat	300
ggacaccctc	gcgactcgga	ggactcgtgg	ctggaggagg	aggattatgc	gcggccaaat	360
acgagccgat	cgggaagaaa	tggcagaggt	cagatggttc	ctcttttaac	ggatatagag	420
gcccctagtg	taacccttgc	cacctctgat	gatttcttcc	ctgaggaaac	ccttgagaac	480
gcgaggccga	ggagcggaat	gcggatggcc	ttcatgaata	tggccaacag	cattataggg	540
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ataattgtgg	gtgatactat	accgcagtgt	ttcagctctc	tatttccctc	tctccgagat	840
atgtccttcc	tctggtcctc	cacagacagg	cgagctatca	ttgttctttt	tgttttggga	900
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<210> 14763

<211> 213

<212> DNA

<213> *A.fumigatus*

<400> 14763

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acacaggggt	ttcgagttcc	ctcagaatct	cgtggcgagg	tgaagaacct	actttttctc	120
aactctgggt	tcttcaggcc	cgtgggagtt	atatctttcg	gtaagtttgc	attgcccaaa	180
ggacctgaag	ttctaattgc	taacaggcca	tag			213

<210> 14764

<211> 219

<212> DNA

<213> *A.fumigatus*

<400> 14764

ccgtccaaag	accacaatag	tctcttgatt	tatggttctc	tcaagaaacc	aaccatggac	60
cgcttcgcaa	aagtaaccca	ttactcaacc	gccgtctccc	tttgtatgtg	cttggctatg	120
ggtatctcag	gcttctctct	cttcggatcc	aagacccaag	gcaacgtgct	caacaacttc	180
ccttctgata	atgtaatggg	caatatcgcg	cggctgtaa			219

<210> 14765

<211> 399

<212> DNA

<213> *A.fumigatus*

<400> 14765

caccaaattg	tccgcagttg	ctttggcctg	aatatgctta	caacgctgcc	ccttgaagcc	60
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cgacacttaa	tattcacgac	atctctggta	gtaacatcta	tggccatggc	attgttcact	180

tgtgatcttg	gggctgtatt	cgagctcatt	ggagccacaa	gtgcagctgc	tttggcgtag	240
atatttcctc	cactttgtta	tgtgaagtta	agcaatgcga	gttggaatc	taaggttcct	300
gcatactgt	gtctcgctt	tggatatcaca	gtcatgggag	tcagcctgtt	gcaagctgtt	360
gcaaagatga	taagcagtga	gtttggacct	agacgttga			399

<210> 14766

<211> 2007

<212> DNA

<213> A.fumigatus

<400> 14766

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aaggaggctc	gcagaatcgc	tcagaagtat	cttggggata	aggctcgactc	gtctgatgtt	180
tatgagacgg	ataccagcc	cattgtctac	gccatcgggc	actgccatat	cgactcctgc	240
tggctctggc	cttgggcgga	gacaaagcgc	aaggttgctc	gtcatgggtc	taaccagtgt	300
gacctgatgg	accggtatcc	agagcaccga	ttcacttggt	ctcaggcaca	acagtttaag	360
tggctagagc	agtattaccc	ttcagtcctt	gaccgcgtca	aacgatgggt	aaagaagggc	420
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tcgttggtag	gacaattcat	aggttctttg	aaagccgctt	tggcgagcgt		540
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cggctggcgg	gcattgagccg	cttctttacc	cagaaactca	gctggaacaa	tatcaacaac	660
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ttccccgtgg	acattaccaa	cacagaggca	tcgtacgaga	ctcaatatgg	aatcaccagg	1980
cgaccgacgc	attacaacac	aaggtaa				2007

<210> 14767

<211> 636

<212> DNA

<213> A.fumigatus

<400> 14767

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acctgcggta	acctgatgcg	tctctcgctt	ctgcgtgccc	ccaaagcccc	agacgcccct	180
gccgacatgg	gcgcgcatca	tattcgctac	gccattctcc	cgcatgctgg	ccccctggat	240

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cgacccggga	aaagcatcat	ccttcgtatc	tacgagtcgc	tgggcggtag	atcgaggggt	480
acgatccacg	ccaagtcccc	ggtcaaggag	gcttggaagt	gcaatgtgct	tgaggacaat	540
gaggagcggg	tggaggtttg	caagggcgag	gacgacgtcg	cagtcaagat	tgagctgcga	600
gcttttgagg	ttgccaccta	tcgcttgacg	ctgtaa			636

<210> 14768

<211> 1296

<212> DNA

<213> A.fumigatus

<400> 14768

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gaatacgaaa	aatactggag	cgagcaagtc	gaatcaagcc	ctcaggattt	aagaccgcca	360
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aaccaagatg	gccatccgtc	tggaccgggc	cacgcacgac	gcccattctgc	gccgcttggt	1140
tcgatcatga	ataaacaaca	ggttgagcaa	cgcgaaaagg	acctgttaca	tacggcggga	1200
gccctgggcg	gccgagcagg	ggaggccgcc	aagggtctct	tcgccaaggg	cagaaataag	1260
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<210> 14769

<211> 300

<212> DNA

<213> A.fumigatus

<400> 14769

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gaatgctacc	ataagatgtg	cgagtcatgt	gtggatcgga	ttttctcctc	gggtcctgcc	180
aactgccctg	tcgcgggatg	ccataggact	ttgcgaaaga	atcgattcag	aaagcagaca	240
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<210> 14770

<211> 873

<212> DNA

<213> A.fumigatus

<400> 14770

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<210> 14771

<211> 1449

<212> DNA

<213> A.fumigatus

<400> 14771

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<210> 14772

<211> 276

<212> DNA

<213> A.fumigatus

<400> 14772

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actgtgatca	aggccaccca	gcagtccgaa	cgtcagccgt	acgacgtcgt	gcgtcaggct	180

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<210> 14773

<211> 708

<212> DNA

<213> A.fumigatus

<400> 14773

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gagaacaata	acattgtgat	caattcggcc	aagggaattg	ggtgctctgt	ggttaacatc	480
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atccggcgag	gtcttttggg	aaaaattgat	atcaagcttc	atcccgaact	ctatcggctt	600
cttgaggacg	acgaaacgct	agaccagttc	ttgcgcctcc	ctccggaaca	aatcttggtg	660
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<210> 14774

<211> 468

<212> DNA

<213> A.fumigatus

<400> 14774

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gttgccaatc	tgttcaacac	gattcctggt	ctcgacccaa	taactgagga	ggagaaactc	300
gaggttgagg	atttcgacgc	agaaggagaa	agagaagcca	gagttttcac	cttgtggttg	360
aactcgctcg	atgtccaacc	ccccgtcaac	tcgttggttg	atgatcttcg	agatggtacc	420
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<210> 14775

<211> 219

<212> DNA

<213> A.fumigatus

<400> 14775

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tatgatgtcg	ccgcttcoga	tgtaaccac	agagcaccca	attcccttgg	ccgaattgat	180
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<210> 14776

<211> 402

<212> DNA

<213> A.fumigatus

<400> 14776

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tcagtgggga	atggtagcag	atggccaata	tcgggatccc	cagcaaggac	agcattgata	360
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<210> 14777

<211> 216

<212> DNA

<213> *A.fumigatus*

<400> 14777

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ttgaagctag	agttctgttt	caatattgaa	ttgatcattt	acgagcagaa	ctactccgta	180
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<210> 14778

<211> 207

<212> DNA

<213> *A.fumigatus*

<400> 14778

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aaagcagctt	tagaagtaat	taaattatta	gaactaggtg	aattaattaa	ttatactttc	180
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<210> 14779

<211> 516

<212> DNA

<213> *A.fumigatus*

<400> 14779

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cagttcagac	ttcgtttgca	agagctcctg	gttgaacttt	tccgcctccg	ccaggctctc	480
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<210> 14780

<211> 624

<212> DNA

<213> *A.fumigatus*

<400> 14780

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tcacccctc	aagagcagca	tgacgagcct	cttgaactcc	tgcaaagaat	ccaagaggct	180
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gcaacaaaat	tgaagaacac	cataaacgaa	ctcagaatgg	aactaggcaa	cctcgaggag	420
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caaacgaagt	ctgaactgga	agggcaggtc	gctactctga	agacgaacat	caaagaagcg	540
caggaggcgc	acgagcaaga	attggaacgt	cagaaggagg	agagggcgga	agctcttgca	600
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<210> 14781

<211> 936

<212> DNA

<213> A.fumigatus

<400> 14781

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gctaagaagt	caactgaaac	actggccagc	ggagaggatt	cgccacgtcg	cggctcaaga	900
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<210> 14782

<211> 723

<212> DNA

<213> A.fumigatus

<400> 14782

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gttgagggga	tgcgcgccac	aatcgacaat	ttgggcaagg	attgtgacag	gctgaggaag	660
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<210> 14783

<211> 417

<212> DNA

<213> A.fumigatus

<400> 14783

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gattcactta	ttagatggat	tctatctatg	gatcaacgtg	gagcggctcc	ccgaccgtcc	360
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<210> 14784

<211> 231

<212> DNA

<213> *A.fumigatus*

<400> 14784

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aactttaata	aaactggctt	tgcaatgggc	ttagtagcta	ctactaaggt	agttataaga	180
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<210> 14785

<211> 285

<212> DNA

<213> *A.fumigatus*

<400> 14785

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<210> 14786

<211> 654

<212> DNA

<213> *A.fumigatus*

<400> 14786

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<210> 14787

<211> 186

<212> DNA

<213> *A.fumigatus*

<400> 14787

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<210> 14788

<211> 201

<212> DNA

<213> A.fumigatus

<400> 14788

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<210> 14789

<211> 1575

<212> DNA

<213> A.fumigatus

<400> 14789

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<210> 14790

<211> 330

<212> DNA

<213> A.fumigatus

<400> 14790

ccctttttgg gctctggatt tttaagcacc gatgattcgc aaagtgtgac cgccagcgat 60
gaggtgacgt caaaatatatt tacgagccct cagcaagtgg atggtttggc gtcgagtgtc 120

cccagccaga	taccactac	ctatcttact	agttctgttc	gagattacga	acctattcct	180
gagaaagctc	ggcagaaata	tgacgaggtt	ggcctctcat	ttgacatgct	ggcctctgac	240
tcggagtcgg	acctgagtga	tgtgcagagt	gacgatgggc	atctggatca	tgatgctttt	300
ttgcgtgacg	tgatacaacg	cccgtcctaa				330

<210> 14791

<211> 234

<212> DNA

<213> A.fumigatus

<400> 14791

agctttatta	atacaacaaa	caagcgtaca	aagaaggggg	agaaatggat	acttatattt	60
aatagccatg	gctcttatct	cactgttaaa	ttcttgcaac	tttataaaga	taatagtatt	120
attctcttta	gattccttcc	ttatacaaca	catctttacc	agcctttgga	tggttaagcca	180
ttcttaagct	ataagcaaca	cttttattat	ataaataata	agctatctta	ctag	234

<210> 14792

<211> 192

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (94)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14792

ttgagaaata	atagaaattc	tagaaaggat	ataacattta	aagcttttat	tattgagatg	60
atatttttta	ttaagatggc	agggtcgcgc	gtancgcgac	cctatagact	aaggcttagt	120
cttactaagc	cgctacgtcg	aaggggtcag	ttaatctatg	ctcgcttctc	aaaggcaatg	180
gaatcttcat	ag					192

<210> 14793

<211> 1575

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1541), (1542)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14793

ttgcgtgatg	gggtcttggc	cgggtcgaat	gaaggatcca	aatccaacct	acaaaggggt	60
gagtcactta	tattcagttg	ttacccttgt	cttccagctc	tctccctagt	gactagtgac	120
tctaaaaaat	tgcttaatgc	gcagaggagg	aaaggggaca	ttcggccctc	tagcactgtg	180
gagctggatc	ttcatgccga	tccactgggt	ccagggtccag	tcaccacgtc	gttcttaagt	240
tttccccaca	ggagggttatc	tcaacctggg	acctcgggag	gtcacgatga	ttatgcagag	300
cgcaacagtg	ttgtgagcag	actcctacgc	ggactggctg	gggtctcatg	cggttccttt	360
agggacacgg	atgctgatgt	tttgccatct	ccaacaaacc	caacagagca	ctcggataat	420
ctacaggagg	accgggggaca	ggatttgaag	tcgcaaggtc	cccaccagcc	cagcgaagct	480
cgtgaccatg	taccgtcaat	tgggcccagg	gccgcaagtg	ggcggctgat	cgaacaattg	540
gaggctgtct	ctgctagaag	acttcgggcg	cgagaaatgc	gggttgctct	acgctacaag	600
cgagaagatg	agggaaagca	tagagccgca	ctgatgaaga	gactcaactt	gcttcttgcg	660
caagatcacc	agctcaccga	cttgattgaa	gggcttgagt	cggccacgga	atcttacttg	720
gacctggagc	aagcatatca	ttggatggag	gacgagctgg	atcaggatga	atatgcgctc	780

atccagtcta	tgcagcgggt	cgcgaaatca	atgcgtgagt	cgccaccagg	actatccaag	840
ataaccattc	aggctgaatg	caacgcctcc	gatgatagcg	cacgctcgct	tcatgacgag	900
cctctggaat	acccacctgc	cgtgtttgat	tacctctcac	gagttggaga	tgcgcggata	960
ctacaagagc	gcttggtgga	gcttgattca	cagtgggtaca	ccatcgttga	caaacaaagg	1020
ctacgaagct	ccctcaatat	tgctctggat	gaggagtcct	tacaattctt	gcggtcatat	1080
gacgggtcaa	agacgcaa	ccggaaggaa	ctccacgaga	caattctgga	cattgtccgt	1140
ctccaggctc	tctgcaacga	acaaggactc	cggcccgaag	agtacactgg	agacatggat	1200
ttcccatatg	gaatgggtct	tgggtgaggtc	gcatttcaac	ccgaggatcc	tctgaagaca	1260
tgcgcgattg	acgacccttc	ccccttctac	gaatcagggc	ctgctaaagt	cagcagtgcc	1320
atgttcatca	acaagtggct	tctacaccag	ctccggcact	cgtcggtaga	gatctcgcg	1380
ctcaaagccg	ccccagaact	tgggcagttg	tccgatgaag	ggtgggacga	tgcgaatatc	1440
agtcgcttag	ccctgaccat	gtggttctcg	gacgatacag	tccgaaactc	gccgcagact	1500
ttatcccaag	ctgatgatta	tgactacacg	ggcgcgctct	nntacacgac	caggaaggaa	1560
gctatagcgt	ccgca					1575

<210> 14794

<211> 195

<212> DNA

<213> A.fumigatus

<400> 14794

caactgaata	taagtgactc	acccctttgt	aggttggatt	tggatccttc	attcgacccg	60
gccaagaccc	catcacgcaa	ctacaacaga	tcaggtagtg	gaagcttctt	ttatgcttac	120
atcttctggg	cccaggagac	tgagcaaaaag	agtgaacaaa	aggagattga	ctgtgtatca	180
aaatctgtct	cctag					195

<210> 14795

<211> 1128

<212> DNA

<213> A.fumigatus

<400> 14795

cctgggagag	aagactttcg	aagaagcttg	ccgagatatc	gaaccaagat	agcctcgcag	60
ctcagacaag	ctgctcttgt	tgaacatcag	ccaaaacaga	tcccgactcg	tttagccgtg	120
tcttccatga	tctcatatcg	tcatgatcgc	atattgacct	cagagatgat	gcgagccatg	180
atcctctctt	acattggggc	tcataaccgg	cccgatttca	gcacggactt	tctcttatcg	240
cctgtcctag	ctcccagag	ccttcttact	aggtttccca	aaacctactt	cattacaggg	300
gaacgagatc	catcggtcga	cgacacggtc	atcttcgctg	gcagaatacg	ccaggccaaa	360
ttacaccaat	tccgggagag	acaggaacta	gggcttgaaa	aatcccatcg	ggaattcaat	420
gaaaaggacc	atgtggagg	ctccttatta	ccgggagtgt	cacatggatt	ccttcagatg	480
gccggatttt	tccctgacag	ctggaaacac	atcaacaaat	gcgctacgtg	gatccagaac	540
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acttctgttg	ataacaagaa	tctggccata	gaaacaaatg	ggaaagcggg	tccccggaac	660
cacaagcggg	gcctgacagg	tgagtcctct	gcagacgagg	acaggccctt	ggagatgagc	720
atcggcagaa	tgaccccttt	gacacctgcg	cacggcaatc	tcgactcaaa	cgagactcgg	780
caatccaagg	aagacatgcc	gtcacagaag	ccatatcagt	ttcgtcggga	ggctactagc	840
accgctgatt	gcagacctgg	ctcaaaaaat	ggaatccgaa	atagaagttc	atccaggggc	900
cgaaaggact	catccagcgg	gctcggtaga	agacggcgtc	tcgccccgac	caagctcact	960
ctgcctgttt	ccgacgacat	gtccgataac	ctggaaagcc	ccgtacgcct	tcgcaaacga	1020
gaaagaagta	tccacagcct	tcctagtcac	gaggatctct	tggatcgcag	aatgaacggc	1080
ttagcggg	ggctgatggg	aatcggggag	ggagcgcaga	cgccttga		1128

<210> 14796

<211> 1149

<212> DNA

<213> A.fumigatus

<400> 14796

ctgacgcctg	gatgggacat	caggggtctat	atttcggcca	tcctgggtct	cagcacaatg	60
gtcgttgcat	tcgcgagtag	tatcttctcc	gccgccatgc	cgcagtgat	gcagatatat	120
ggatcagcc	gggaggtatg	caccttggc	atatccctct	acgtcttcgg	attcgcattc	180
ggcccgttga	tcttcggccc	cttctcggag	gttaagggca	gatacatgcc	gcttatagtc	240
tcgatgttcg	gcttcacaat	attctcgttt	gcaaccgccc	tctccaaaga	cctccaatcc	300
ctgttcaccc	ttcgatactt	tactgggttc	ttcggttctg	gcccgcctac	actcgccgga	360
gcatcattcg	ccgacatgtt	ctcgccggag	cagcgaggga	ttgccatcgt	catgttctgc	420
ttgatggctc	tcattgggtc	tctcgtcgca	ccctttgtgg	gaggcttcac	ggtcatgaac	480
tcctcgtcgg	gctggcgctg	gacggcatat	attcctggta	ttctaggggg	ggccgtgcta	540
ctgctcctag	tcgtgttcct	ggaggagacc	taccagccc	tcctcctggc	tcggaaagcc	600
gatcggttgc	gccgcgaaac	aggcaactgg	gcacttcacg	ccaaacacga	cgagctgctg	660
cttgatccta	gatccattct	gacagagtat	ctctccctgc	cactgaagat	gctcgtttctc	720
gacctatcg	tcacgtgcat	gtgtgtcttt	gcgtctttcg	tttacggcct	gctttatctc	780
ttcctgaccg	catacccccac	tatcttccag	aagattcatg	gaatgaacct	aggtgtgggc	840
ggcctgccct	atctgggggt	gattgtcggg	cagctcctag	gcgcggttgg	catcgacgcg	900
acccaacct	gggttctcgc	caagctggag	caaaacgggtg	gcgtgatgat	gccagagtgg	960
cgtcttctctg	tggctatccc	gggtgcagtc	gcattctctg	cagggttttt	ctggctggga	1020
tggtcgggat	acaagcagag	tatccactgg	attgtgccaa	ctctgtccgg	gctgctgacg	1080
ggatttggat	tgttgacat	gttccttccc	tctcttgctt	atctggtaga	ggcccgctct	1140
cagaagtga						1149

<210> 14797

<211> 828

<212> DNA

<213> A.fumigatus

<400> 14797

atcgccaccg	cggatccttc	cagccccgtg	gtgaagacgt	cgtggaacaa	gggaaccact	60
ccatatcttt	gggcacttca	gaagtgggtc	cggccccggt	tgacgagtta	tggccctcga	120
gccatccgca	ttcctcgccc	taaacaatct	atttacaccg	agccgacgaa	tgcatggcta	180
tattttgacg	gaccgctaag	cgcgctgaaa	gatcagacat	gcgtgatcct	ggatattccg	240
ggtggtggtt	acgttgccat	gaaccgcgc	aactcggaag	accgactcct	cgcctgggca	300
gggaagacca	aactgccgat	attgagtcta	gactacaaga	aggcaccgga	gtatccttat	360
ccgtacgctt	tgaacgaatg	ctacgatgtc	taccacatga	tcataccac	gcgcggccgt	420
tgccctggag	tgagtggagt	cacgcggcca	cgtattgtgg	ttactggaga	tagtgctggc	480
ggaaacttag	ctgtcgggac	ggtcctgatg	attctgcagt	cagggactga	ggatgtgatg	540
ccacgcccac	atggtctggt	actggcgat	ccctccttga	acatgcgagt	tgagagctgg	600
atgacggagg	agcagatgtc	gttgatccag	gataaaagcg	ctcgccggac	gaataagaac	660
atcttgcaga	gaaagaatat	ggattatcag	aggctgacgc	catttgcac	gcctggacca	720
tctacggaag	aactgaggca	ggagtctctg	tctgacgcgg	gcttggaggc	aggtgacctg	780
ggagagaaga	ctttcgaaga	agcttgccga	gatatcgaac	caagatag		828

<210> 14798

<211> 411

<212> DNA

<213> A.fumigatus

<400> 14798

gtctcctcca	ggaacacgac	taggagcagt	agcacggccc	cccctagaat	accaggaata	60
tatgccgtcc	agcgcagcc	cagcgaggag	ttcatgaccg	tgaagcctcc	cacaaagggt	120
gcgcgagag	gaccaatgaa	gaccatcaag	cagaacatga	cgatggcaat	ccctcgtcgc	180
tccgcgaga	acatgtcggc	gaatgatgct	ccggcgagtg	taagcggggc	agaaccgaag	240
aaccagtaa	agtatcgaag	gatgaacagg	gattggagggt	ctttggagac	ggcggttgca	300
aacgagaata	ttgtgaagcc	gaacatcgag	actataagcg	gcattgtatct	gcccttaacc	360

tccgagaagg ggccgaagat caacgggccc aatgcgaatc cgaagacgta g

411

<210> 14799

<211> 339

<212> DNA

<213> A.fumigatus

<400> 14799

ggcatattgt	ctcggataca	accctcaagc	tgcctcggga	aagggaaagt	aagtgcgtgat	60
ggtcggcttg	ttgcatcgat	caaggcaggg	gatctgactc	ttttctcaga	gcatttgtct	120
ccggaccagg	gtattatgca	gacattgtat	gcttctccag	ccaatgggat	atccacaact	180
cagcaggctt	acagaccatt	gcagggagag	attgccatca	agtcgggaac	tgacgctgta	240
ccgggtcagg	accggaatgt	ctatacctgg	tttgatcacc	ctttccatcg	aactggaaag	300
gatttgtcta	atgtgatgca	gctatggctc	cgggactga			339

<210> 14800

<211> 594

<212> DNA

<213> A.fumigatus

<400> 14800

gaccgactgt	ctagcggttca	gtacaacggg	aaatattgta	cctactaac	ctccctattg	60
gcctctggca	actttggcac	cccaatcaca	gcagccctac	aacacgcagg	cttcacagtg	120
accattatca	cccggtccga	atcgaaggca	acattccttc	cggatattcc	ggtaatcaca	180
accacttaca	ctctggagaa	cctcacatca	tcgtagcgcg	gacaggatgc	agccgtctgc	240
gtgggtgggtc	ccggcgggat	cggcgcacaa	gtcaccatga	tcgatgccgc	cgaggctgcg	300
ggcgtgaagc	gcttcacctc	tgatgacttt	ggctgggggtg	acaatcccaa	atccttcccc	360
gagttcaacg	ccattcatgc	gcaacgccgt	gcgggatggg	atcatgcgaa	agcgaaagca	420
gagagcaatc	ccaactttac	atacaccggg	attagcattg	ggaatccgat	tgattgggta	480
agtgatagca	ctggatctca	tactctcgcc	tcacagctaa	ccagctctca	aggcggtgaa	540
gcgcttccct	gcgatggggg	tcgatatagc	gcactgctcg	gccgtcatct	atga	594

<210> 14801

<211> 282

<212> DNA

<213> A.fumigatus

<400> 14801

tgcagctatg	gctccgggac	tgacgatact	cccggaccag	tcattcccctt	ccacggatgc	60
tgctttgaga	ttctgactcg	cgttctcacc	ggctccaccg	acagctcaac	aatcgatatg	120
aaagtccctgt	acaatgtgat	gacagagttg	tccaacgaat	cctcctccgc	tctgcgactg	180
aactatggcg	acgacattcg	gcggggcgcaa	ggccgggtact	gggagtgcac	ccccggcgca	240
gaggcaagca	gcaacgatca	agtcgcacgc	tcctcaaact	ga		282

<210> 14802

<211> 600

<212> DNA

<213> A.fumigatus

<400> 14802

actatggcga	cgacattcgg	cggggcgcaag	gccgggtactg	ggagtgcac	cccggcgcgag	60
aggcaagcag	caacgatcaa	gtcgcacgt	cctcaaactg	accacttaca	gtactgcacg	120
attcatccaa	ccgagacatc	tggttggggac	gactttctca	aaaccgacat	gaccaccgat	180
agcaaattca	aaaggtcatt	ctggcaattc	gatttcaagg	gccgttcgcc	cggcagcccc	240
ttcggcaagc	ttccccctcg	actgggtgat	cagatctgct	catacctgcc	cggggattcg	300
ctgaaggcat	tgactcaggc	atccctgagc	attcagggtg	tcactcagga	caactgggtc	360

tggaagcgat	tcattccagt	ggatatgcca	tggttctggg	aattttactc	gtcgcagaac	420
cccagggatt	tgccccccga	cgtaactat	aagcgtctgt	acatgtggct	cgacaagatg	480
accgctgctc	gctacggcat	ggatgacctg	gcccttattg	gagtggcgaa	ccgccgacgc	540
atctgggggtg	tatgtgaaga	actggccagt	cagtaccaca	aggctgtggc	agcatcgtga	600

<210> 14803

<211> 207

<212> DNA

<213> A.fumigatus

<400> 14803

ctatggattg	agtcccgtgt	tcccacggga	agcgtatcaa	gtggagatgc	aatggaggat	60
gaggttgaga	ttttgacggg	ggacggagtg	atctatctct	gctctctgaa	caggggtggag	120
tgtatttatt	actatcaggc	ccaatggagc	catctggact	cggtggtcac	gcacacacag	180
gtggaaaatt	cgaaaagatt	tcggtag				207

<210> 14804

<211> 186

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (3), (4), (5)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14804

gcnnnagacg	tgatattcca	ccgcgcgtgt	agagctttta	tcttgtatcg	gcaacattat	60
caagccgcag	tagtggctca	aaatccaggg	cttgccaacc	cggatatatc	caaaatcatt	120
ggagagcaat	ggaggaaact	cccgaagaa	accaaggatg	aatggaaggc	tcttgcgtgag	180
gtatga						186

<210> 14805

<211> 1491

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1334)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14805

ccttcatcac	aggaagaaaa	agctcgtcac	cagcagcagt	acccagaata	ccggtaccaa	60
ccccgtcgct	atggccggga	tggaaattcc	cgtgcaaccg	gctctggcat	tagccacagc	120
cctccgggct	ctgcagctctg	caaccgatgt	ggtggctcgag	tgatgacccc	acctgtgtcg	180
ccagatgccc	ctttcacacc	cagtgcactc	gcagcatctc	cacatcccga	tatggctcatg	240
gctcgaagtt	atcaacgtcg	ggctagagat	tctgacagac	aaccaaacc	catccgagta	300
gacaatcatg	gcgattcttg	tcctcctcgt	caaataccat	atgaagaggc	tggttgctga	360
tcccagact	cgaagcgacg	ccggttcaac	tcccaggtaa	atgtgaaacc	aaatgtccat	420
cgagaccgaa	gccccgagtc	cgcataatcca	atgtctcctt	ataccccccg	cacggatgga	480
cccaacactc	ggactttgaa	tcaaattgtc	catccttcga	ggacggctcg	atataacaga	540
gaccatccac	cgcattgatcc	aagtctgaag	cttccaccac	tacagaccac	agtgccgctc	600
ccaggctccg	tgatgcctat	aactccgttc	cctcacgatg	gattaagtct	cgaggccacc	660
gtcatgacga	tccccttcct	caacaaaatc	aaagttcttg	ctaagatatc	ccctccgctc	720
attcgcctct	tccgtgacaa	ttccatcccc	cagcgaggag	tcgtgattgc	tggtgacggg	780

caagatcctg	cacaagtaaa	agcagtgggc	gattatctca	acgctgtctt	ccagaaggaa	840
ggaaaataca	aaccccgct	gtttgaaggc	cccgaggtcc	gctcgcggga	gagttactct	900
gcagctggac	agatgggcga	tgccactgtc	gattacctca	acaccatttc	ggtatggcat	960
cgtatttcgg	acgacattgt	gagcttcgtg	aagcccacgc	gggagccctc	agaatcaaag	1020
ccggaggatg	atgactccgc	ctctgagatt	tccccaaaa	ccatcatccc	caagacagct	1080
ggtctgaaga	taagctctcc	ggctcaatcg	agcgagaacg	gatcagaatc	agcctcgtca	1140
atttcgggct	ctggcctctc	accagtcccc	attgcactcg	tccccgtta	ccaactcact	1200
aacgcagatg	cattcgcgtg	ttctgtgccg	atcaacgact	cgtacgctcc	attggatcac	1260
tggcagtgga	tggcatctct	ctggcgagcg	tgcgttgggg	cggacatcac	tgtctacatc	1320
cgggattgcg	aganagacga	attgggtcgg	tacggaggca	acccggtcga	ggtccgtttg	1380
caagatgcac	gtactgtggg	ggtgcgcgag	ctagccggct	cccagaagga	actggaagaa	1440
aaagctttga	agcgtgtttg	ttttgagatt	gaggatttcc	tcaccagtg	a	1491

<210> 14806

<211> 297

<212> DNA

<213> A.fumigatus

<400> 14806

cactccacaa	tttttcaggt	ctatgtcccc	actgtttttg	agaactacgt	cgccgatgtc	60
gaggtcga	gcaagcatgt	tgaacttgct	ctttgggata	ctgctgggtc	ggaagattat	120
gaccgtcttc	gtccccttcc	ataccccgac	tcccacgtca	tcttgatctg	cttcgccatc	180
gattcccccg	attcccttga	caacgtccag	gagaagggtg	acgatagccc	aggcgtccct	240
ttcttccacc	aaggaagaaa	gggggaagtg	attcatgcac	gcatacacag	gggctga	297

<210> 14807

<211> 192

<212> DNA

<213> A.fumigatus

<400> 14807

gagttttctta	acaggatact	ttggatgtct	tccaggacag	gaaatagggtg	gtcgaaatta	60
tatctctctg	tatccagctt	aaatttgtcc	cccaagtatt	gcccattcac	tctgggtcgt	120
gatctggagc	tcttcatctg	gggcatcagc	ttctctgata	cctcacatgt	cagcacgaac	180
ataattctat	ga					192

<210> 14808

<211> 264

<212> DNA

<213> A.fumigatus

<400> 14808

ccaaaagaga	cccttggtat	agttgctggg	caggagctac	ctcgtcgagg	tcgatgtatg	60
cactacggta	aaagctatcg	gtggtttagg	tatttccctt	ccctctcttg	caagtttttg	120
gtacctcgt	ttacttactc	tttcaacagg	ttcagctggt	gtgcaaagg	tttcccatgt	180
gacaagtacg	tcagcccttc	ccaggaatac	ctgcctgaat	ttgccacagc	cattggctgt	240
aacccatccc	tcatactcga	ctaa				264

<210> 14809

<211> 228

<212> DNA

<213> A.fumigatus

<400> 14809

gtgccacgac	gcagcgacag	atcatccaaa	cgaacatgca	aatcgcatga	tttggttaagt	60
acatacatct	cttccggagg	caacaccttc	ttacacctcc	tagtggtttc	tgttcaagag	120

aacaagtcta ccgccccgag aactgcggta tatgccgtgc agttctcgtc ggaaaagcag 180
 gaagcggttt ctgggaagga ggaaagggtta ccaggaacaa ggttctga 228

<210> 14810

<211> 1038

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (119)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14810

ctgtctacat gccactcagg gttgggaatg gagccagtga ctccagttac gtgcaaaaca	60
atgccgaaat tccccaacca tatcatgcag atgggtagtt gcagcaatca ccaacagcnc	120
ggactagatt ttgatatcat ttatggacca gtagtggttg aagtgatgat caaactcttt	180
tttacaccca ttgcagtgcg gtatttggaa gtcgaacagg caggcatggt gactgcctat	240
cttcacgcct tccttgagaa atgcgcaatt catatgcgcc aacctactgg ttctgagcag	300
aaatggaacg cctgcaaagt cctcaaggcc cactatagac tacgccaatc cgccttctta	360
tgggatgaga aattcgacga cagaatagca ttgattgggt tcaaacgagt ggtggaggat	420
ccctgcgttt atcaacgagg agatgatgac gatgcatttc tactaatcta cgttgatgac	480
acgtcctca catctgcaac aacggctgga attaaacgaa tcaaatcatg gttaggagat	540
cttttctct tagaagccct gcctgctggc agacgccga ccattgttcg gggctggcag	600
ccgttgtcag atagcttcgt agcagtcctt tctctctcct ctagatatct agccatatta	660
tcattatctt cttttctctt cagctccatg acttgagag ttgtgaacga tttgccgttg	720
aagaccatgc cagcatttga ttgcggaagg aactgcgtgc tgcggttgcg agcgagaagc	780
tgccttttgg aagccgggtgc cccggcattc cgctgctcag tgcctcgact ggtctctaag	840
agggcacatg ggccggatgg gagggagagt gcgattacag gtcgttcgtc ttctcatgta	900
tctaattgta acgattggat cagggttttg ttttccgtg ctttttacct ggctcaggag	960
actaccctcc agttagccat tggactctat tacactagct caaagtcgta cgggcgagat	1020
gctactatga catgttga	1038

<210> 14811

<211> 618

<212> DNA

<213> A.fumigatus

<400> 14811

atgggacggc caggacagca acaccgtcct cagtaccctg cacagacgcc caatggacag	60
acgccagcca tcaaacaga gccgggctat tcatccgcc cccaaccaa tatgactaat	120
tctcagacag atggtgcagg ggccgatgct ttatcagatt ggaaagcgga ggttgcacgg	180
agacgcgagg ccgcggaacg ccagaacggc gagggtgatc ggttcctacg cgaacatttg	240
agacagcgta tgcttcaatt cgagggaggt ggactactta tgcctctaga tgagcgtcag	300
tcctcttcat caacgtcgag acgggaacgt caccttactg atgccattc tgctgtcgga	360
atcaactcga tcgcgaactc tgcccagcct caggcgcagt ttgatggccc tgggtggcgac	420
gatgacaggg aggaagacga cgaagatgcc atcaattccg accttgacga tccggatgac	480
ctggttgctg aggatcatga tgctgaagat tctgttggac aggtcatgct ctgtacgtac	540
gataaagtgc agcgcgtcaa gaacaagtgg aagtgtactc tgaaggatgg tatictaacc	600
acaggcggca aggagtaa	618

<210> 14812

<211> 315

<212> DNA

<213> A.fumigatus

<400> 14812

catggtcaca	acaatcaaca	attgcatgat	aacgcagatg	gtactttctc	gattgtgaat	60
ccagagacat	cgacaccata	tcttgggtact	cttgggtatgg	aaaaggaaaa	gccgtaccgc	120
tgcgaagttt	gtgggaagcg	ctacaagaac	ttgaacggtc	tcaagtacca	caaattctcat	180
tccccgccat	gcaatcccga	ttttcagctt	gctgctggtc	gcaatctggc	attcgggtgga	240
gggtgttatgc	aggggcagaa	catcaatgtg	gctggggctg	gcctccccgg	tatcggcgaa	300
gaaggtcttc	tatga					315

<210> 14813

<211> 1173

<212> DNA

<213> A.fumigatus

<400> 14813

ctggacctcc	cggttcgctt	tgggccatct	ccctctttcc	attcctcttc	ccatttgccc	60
aaactggaag	ccaacttcat	gcgtgatttc	tcttgcctgtg	gcatcactct	ccccactctt	120
catgatctgt	tgcagcacta	cgaagaggcg	catgctacca	agtcacctca	acagagtcac	180
cgtccaagcc	agactgatgg	gcgagctgcg	cttgcctgctg	ccgcgatggc	gcagcaacaa	240
aaccaacaga	tgaacaacca	aagtcgaggt	ctacaagcgg	atagaggtgg	ggatttacag	300
cgaataattga	gtccgaaccc	gcagcttcag	ccacactctg	acctcgacac	tattgacgat	360
atggagctgg	atgacgctat	gggggacagt	gatccgacga	cctcacaatt	attctcgtcc	420
cagacgcaga	acaacacgca	aaatggattc	ggaaattcta	atcagagagg	tccccagctc	480
aatctgtcta	tgcttccgag	tcatcagggg	tttaaaggct	cccaaccagg	aacgccagtt	540
ccgtctggcc	accactatc	attgcagaat	aatcccacgg	tttctctcgt	taacacacca	600
acactcatgg	cgaatccact	ccagaattcg	cagttcagaa	acacgccgga	ttcttcggca	660
cctggaactc	ctgcagaact	cgacgaaaac	gtgattagt	gttttggtga	cttgggtatg	720
cagaataatg	ctctgctaca	aggtcaatcg	cagttcagat	ttgctggtaa	caatgacatg	780
gtagaccttt	gcattgacga	accggcgaaa	cgtctcttca	gccctactgg	agggatcaat	840
acttctaatt	cgacttcaa	gcttagtgga	gcgcaatatg	gtcctaacag	tgaatatcgt	900
cgacggatac	gggaacaaca	gctgttggca	gggtgtcccc	acaccacagc	tttgcttccc	960
aatgaagagc	ccaagccctt	cagatgcccc	gtcattggat	gtgagaaggc	gtataagaac	1020
cagaacggtc	tcaaatatca	caaagctgta	agtgactctg	tctggaaagt	taccgttttg	1080
tatggagctt	tggtcgctaa	tgctttcgct	tgtagcatgg	tcacaacaat	caacaattgc	1140
atgataacgc	agatggtact	ttctcgattg	tga			1173

<210> 14814

<211> 237

<212> DNA

<213> A.fumigatus

<400> 14814

gacaattctc	cacaccaatc	cattgccgca	ttccaccgcg	cgtttcatcg	ggatatctcg	60
tctctagagc	tcgagatgaa	cgatcacgat	cgcttttagcc	agtcactcta	tggcgacccg	120
agatacctgt	cgctccgctc	cttcgaggcc	cctccggcca	aggttctcat	gaacggctat	180
cgcgagacct	ttgagcccca	atatgcggag	aaattgcgat	acaatccagt	gcgttga	237

<210> 14815

<211> 429

<212> DNA

<213> A.fumigatus

<400> 14815

ttaccttctg	ccccatcctt	tgccgtctgg	agtcattgta	tttcagtcga	cctgtccgtg	60
tcgcaagcat	ccaagatgcc	tgcaggtcac	tacgcagccg	attcccaaga	tgggtattcta	120
tcaccagacc	cgttgtctat	gggtgactgt	tacaaggtgt	ataaacgacg	attttggggg	180
ctggctcaac	tagtcttgct	gaatattgtc	gtcagctggg	acgtaagtgc	gcttttcgaa	240

caacagacgc agagccagaa tttggctaac gtttacatga tcttgagaaa ctcaagtggct	300
caccttttct tctatatcca ccaccgcac gcagcatattt ggtgtctccg aatccgccat	360
caattggctg agcactggct atctctttgc cttttgcgta gccagtccag tcgtcatcct	420
cactcttaa	429

<210> 14816

<211> 237

<212> DNA

<213> A.fumigatus

<400> 14816

actgttcgaa attactccgc tgatgaaaca gtggtgctat gcgacgtact aaccagcca	60
attggcagta tgaagattgc aagcggagca gaatatctaa ttccacaagt agcttcggag	120
gactccgtat ctacccctgat ttacccca gtcgatcaca cgcgccctct tggtcacttt	180
atctggtctg tcgttgactc ggaacacgtt cactatcaat atataactac gtactaa	237

<210> 14817

<211> 207

<212> DNA

<213> A.fumigatus

<400> 14817

gaaactcagt ggctcacctt ttcttctata tccaccaccg catcgcagca ttttggtgtc	60
tccgaatccg ccatcaattg gttgagcact ggctatctct ttgccttttg cgtagccagt	120
ccagtcgtca tctcactct taacaaaggc ggcccaaac ctgccatcac tatcacctcc	180
gcgtcttcac acgcgccggg ccgaagg	207

<210> 14818

<211> 375

<212> DNA

<213> A.fumigatus

<400> 14818

aacactaggg atttccccgg agataaatgg agaaaggttt gtggcaagga gatttcattt	60
caaggggagg aggatccaag ggtgaggaga aaccttttgc attttggaaa aaaagggtgg	120
ggggaaacca acctgtttc aggggtccgc cccgcgggg taatccggga aaaccttccc	180
cgggccctgg aaagacgttt aaacaccccc aaagataggt taaacccttg ggcaaccttt	240
tcgggggaaa tggagaacct ggggtggggg ggggcaattt gccgtcattt cttcgggagg	300
gagcgaggga agctagccga gagaataccc ttgttcaggg gtcataccgc agtcgttctg	360
gacaccgact ggtga	375

<210> 14819

<211> 477

<212> DNA

<213> A.fumigatus

<400> 14819

tttctgcgca ggaagatcgg gcacgtgctc ttcaaccccc cgcagaaaa catccttgcg	60
accgcctctg gcgacttcac tgtaagatt tgggatatcg aagccgggtgc ctccaaattg	120
acgttgaaact tgggcgatat tgtccagtct caagcgtgga gcgctaattg ttccctgctg	180
gtcaccacct ctcgagacaa gaagctgcgg atctgggatg ttcgtcagga gcgaccgct	240
cacgaaacct aaggacactc ggggtgcaaag aacagtcgtg ttgtatggct gggagagcgc	300
gattcgcttg cgacaactgg tttctccaag atgagcgatc gccagctggc gctttgggat	360
attcgtgccc ctgcggaacc catcaacggc ttcaagactc tcgactcgat ctctgggtgtt	420
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<210> 14820

<211> 252

<212> DNA

<213> A.fumigatus

<400> 14820

tcaaaacagg	cctctcccgt	cgtecccgaa	cgaagcaccc	ctaccgtgcc	caccctacc	60
accacaactc	ccccccatc	agcaggctcg	actcttcagg	ctggcgccgc	tggtgcccgc	120
gacgccgtcc	agcgcgaggt	ctcgcccatc	aaagacctgc	tcgcagagca	aaccaagatc	180
attgcatccc	aggcgagca	gatgcagaac	ctgactgcgg	agatcgagtc	tctcaaggcc	240
aagctgggct	ag					252

<210> 14821

<211> 1308

<212> DNA

<213> A.fumigatus

<400> 14821

tggttccctg	ctggtcacca	cctctcgaga	caagaagctg	cggatctggg	atgttcgtca	60
ggagcgaccc	gctcacgaaa	cccaaggaca	ctcgggtgca	aagaacagtc	gtgttgatg	120
gctgggagag	cgcgatcgcg	ttgcgacaac	tggtttctcc	aagatgagcg	atcgccagct	180
ggcgctttgg	gatattcggt	cccctcgaga	acccatcaac	ggcttcaaga	ctctcgactc	240
gatctctggt	gtttgcatgc	cgttctggga	cgatggcacc	cagtgcctgt	atctggctgg	300
cagaggggtga	gtggtgattc	cttcacgatg	ttcagtcgac	acgggtctgt	actgatcacc	360
actagcgacg	gcaacattcg	ctacttcgaa	ttggaaaatg	acaagttcga	gttccttgct	420
gagtacaagt	ccgccgatcc	acagcgtggt	attgctttca	tgcccaagcg	aggtgtaaata	480
ccccacgaga	acgaggtcac	ccgcgccttc	aagactgtca	acgacagcta	catcgaacct	540
atctccttca	tcgtccctcg	ccggtcagaa	aacttccaag	acgatatacta	ccccctact	600
gtcgggtctga	agcccgcctat	gggcccctcg	gaatgggttcg	ctggaaagga	agctatcccg	660
cccaagattt	ccatggccag	cgtttacgaa	ggcgaggggtc	tgaaggaggt	cacaggtgta	720
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gatgccgagc	cagtggatga	tgattccagc	tttgaggaaa	ttcccaagcc	aactgacgg	960
gctgctcggt	ccgcggacaa	cgcgtcgccc	tccattaaga	ccagcccata	gcaacagaag	1020
gaagaggcca	agtcgcaggc	cagtcctgct	ccggtaaagct	tgtttctctc	aaatcccccg	1080
cagccaagaa	ctaatcaaaa	caggcctctc	ccgtcgtccc	cgaacgaagc	acccctaccg	1140
tgcccacccc	taccaccaca	actccccctc	catcagcagg	ctcgactctt	caggctggcg	1200
ccgctgttgc	cgcgagcgcc	gtccagcgcg	aggtctcggc	catcaaagac	ctgctcgcag	1260
agcaaaacaa	gatcattgca	tcccaggcgg	agcagatgca	gaacctga		1308

<210> 14822

<211> 381

<212> DNA

<213> A.fumigatus

<400> 14822

tccaggcgca	agtctaggcg	catatctgta	actgacaaag	aaagtctctt	agccatgtac	60
ggatcgcat	ctcactcgca	ttccaccggt	ccaccacatt	caagtccttc	tcaaccagaa	120
tggcgtttac	ctgcgacaac	tcaacaccag	caactctcat	ggtccgcggg	ttctgtggca	180
ccgccccgcg	cccttctctc	ttctgcgcct	actgcagctc	ctccatatca	tcctaatacg	240
tacggatcca	tctccaatat	atcacctggc	acaggtgggg	caccctgtgt	tggtgctccc	300
agcggcccg	atacaacgtc	atggggagtg	agatataagc	atcaggtcct	ggcgccctccg	360
ccgctacctg	tgagtatctg	a				381

<210> 14823

<211> 462

<212> DNA

<213> A.fumigatus

<400> 14823

tccctgcgcaa	gttcggtcac	cgactctcgg	ctccccctggc	catcacaagc	ctccaccacc	60
acctctctct	gggtacggct	cacagcctcc	gtccttcgag	aatcatcagc	agtggacaac	120
aggcgcttca	catccatccc	agcaagctac	tgcgcctcta	ccgcctcccc	ctccacctcc	180
gccaatcccc	cagagttacc	agactcaacc	cacaccgtta	gacaaccaga	catggcaaca	240
gccgaaccac	cctgcttacg	caggatttcc	ctccagtcaa	actcttcagg	tatcgctcta	300
ctcagcctca	gcacatgcga	ccgaacccag	ctcagggcct	cctcaaagca	tgagtcctcc	360
acctcccgcc	cgacagcttc	cgcttgacga	gcaaccttgg	tcccagacct	tgccaaacga	420
gcatggaacc	gctccgccag	taccacccaa	gactggctct	aa		462

<210> 14824

<211> 2379

<212> DNA

<213> A.fumigatus

<400> 14824

ccccgattcc	caagtgtaac	ggagcatcag	caccataatc	ctgcgcaagt	tgggtcaccg	60
actctcggct	cccctggcca	tcacaagcct	ccaccaccac	ctcctcctgg	gtacgggtca	120
cagcctccgt	ccttcgagaa	tcatcagcag	tggacaacag	gcgcttcaca	tccatcccag	180
caagctactg	cgctcttacc	gcctccccct	ccacctccgc	caattcccca	gagttaccag	240
actcaaccca	caccgttaga	caaccagaca	tggcaacagc	cgaaccaccc	tgcttaacga	300
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cctgcagagc	aaccttggtc	ccagaccttg	ccaaacgagc	atggaaccgc	tccgccagta	480
ccacccaaga	ctggctcctaa	tgtgttccca	gccaatcatg	gcttggggcc	tggaaacccg	540
tccgattggg	agtacctggc	atctactccc	ggggcaggag	tgggcgtcga	gacacccgaa	600
cgcaagcaga	atcatccaat	ccatttcctcg	actgtaccgg	actcacttcc	aagtcagcca	660
gcttccttta	cgctgaatc	cagtaacca	cacactgtat	ctactccacc	aacgacgacc	720
tcaccgtctg	cgcagcctgc	ataccctcag	cagcatcatg	acagcgggtc	accagttagt	780
ccaagcacta	cgcgggatat	gcgtgatccg	ccccgtcctg	ttagggtaaa	tagtagcggc	840
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ctggcctcag	ggcctgaaac	caggctctca	acacaggggt	cgagcccagt	cgatatcaca	1020
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gcttctaacg	atgcccttgg	ggaatccaga	gatggccgct	atagtcagg	agggcgtcca	1500
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aataccttca	aggcaaagggt	aaccagagat	ttctcgtcga	gtgctcaaaa	tccaatctcg	1620
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aaatactcgg	atgacttcaa	ctacattcgc	gaggccgtca	atacttggga	ggcttcaacc	2160

aaggctcgtc	gcgaaaagac	tgaccgagag	cgtacgcgac	ggcaggagga	gtccgagaag	2220
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gaagagtttc	gccagaacga	agcgcgagt	cagctggacg	aagagcagac	aggagttgga	2340
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<210> 14825

<211> 198

<212> DNA

<213> A.fumigatus

<400> 14825

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ccaagcttcg	ataacgccat	cgatactttc	agacgcttca	gtcgccgaga	caatactgca	120
ttcggtgccc	ctactattta	ccctaacagg	acggggcgga	tcacgcatat	cggcgtagt	180
gcttggacta	actggtga					198

<210> 14826

<211> 2298

<212> DNA

<213> A.fumigatus

<400> 14826

caagttaggt	ttctctgggc	cacactgcta	ctcgactgca	tttgcattga	gcagacagac	60
gaggcaattc	tccaggccct	tgaaagcctt	ccgcaaagcc	tttcagaaac	atctaggcga	120
gtttctacagc	aaactgggtg	ctcaaacatc	cagcatcgcc	gcaggattgt	gcagttgggt	180
atggctgccc	gacggccctt	atcagtgggg	gagctatgtg	aggcactcag	tgtcattccc	240
ggtgacacgg	catgggagcc	tgcacgacaa	atcaataata	ttcatgcggc	ccttgcaagt	300
tgtaaatgct	tgatcatcat	agacgaagaa	gagcagactg	tcagatttgc	ccaccatagt	360
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gacgaacaa	ataaagaaat	gggcccgggtc	attctaactg	atctcaacta	cgggattttc	480
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aagaccgcga	aaaatggcaa	atgcgacata	ggccaaacct	tggccgagac	ggccatggcg	660
caacggagat	ctccagcgga	gagccatccc	tttttggtt	atgccaagga	ctattttagg	720
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actgacaaga	gccagttgag	gattaccgat	tggctgcaat	atgagttgca	gcaacggcga	900
gtgaccggcc	tcgatggaga	gtttgttcc	tgtgatgttc	tgagccagct	agtcacatac	960
cgtgttgctc	gcaaggctcc	cgaggagact	gggttttacg	gatacggcgc	atcgacactg	1020
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aatcattatc	ttggggccca	ctttcagtcg	tcgatgatcc	agtcctccgt	aacagaccgc	1140
gatttcccca	tttcgtcggt	gcaattttct	gagaaatata	agtcgaacat	ctctcagacc	1200
actggatcgc	tcactgttcc	accgggggtc	aacattccga	gcagctcacg	acctgtcggt	1260
ccgatggaga	ccgatagatg	gatggcattg	gctgagttgt	tctgcctccg	acagcaccag	1320
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<210> 14827

<211> 1521

<212> DNA

<213> A.fumigatus

<400> 14827

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<210> 14828

<211> 690

<212> DNA

<213> A.fumigatus

<400> 14828

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 gtggcatgtc ttttctctt caatggccta gagtttgga agaaggacca gcgacccat 300
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690

<210> 14829

<211> 222

<212> DNA

<213> A.fumigatus

<400> 14829

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caccgactga	cctcatgggg	tgtctgcctc	gaccaagcgc	tttcgcctct	tgatcccgcc	180
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<210> 14830

<211> 483

<212> DNA

<213> A.fumigatus

<400> 14830

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tctgtcaagg	aaaccatcca	ggcgtggaag	atccgctctg	accagctgcc	tgagggagta	420
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<210> 14831

<211> 183

<212> DNA

<213> A.fumigatus

<400> 14831

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<210> 14832

<211> 225

<212> DNA

<213> A.fumigatus

<400> 14832

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tttctgtacg	ttgacagcaa	agggaccgat	ttcgcggccg	aggatgtgaa	aagagccttt	180
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<210> 14833

<211> 189

<212> DNA

<213> A.fumigatus

<400> 14833

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ttcattttcc gaatcaggat cctcacgctt cctccaggtc aattggccgg caacctagcc	120
cggacgcaac aatgcactac aaatgctatc ctcttaagtg actcaaacca gtctatttct	180
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<210> 14834

<211> 198

<212> DNA

<213> A.fumigatus

<400> 14834

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aaggatgacg cacgagaagc gcagagagcc gaatcgcttcg tgtacggagg ccagaacccc	120
tcgggcgga tggcagctca gatgcagggtg agcgggaatgg cgggttgggc gtgggtaatc	180
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<210> 14835

<211> 432

<212> DNA

<213> A.fumigatus

<400> 14835

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<210> 14836

<211> 954

<212> DNA

<213> A.fumigatus

<400> 14836

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aagagagtct ggttcgcgtc cagctcctcg gccctgacgc aggggtccgc tggcgccgctc	360
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<210> 14837

<211> 183
 <212> DNA
 <213> A.fumigatus

<400> 14837
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<210> 14838
 <211> 213
 <212> DNA
 <213> A.fumigatus

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<210> 14839
 <211> 252
 <212> DNA
 <213> A.fumigatus

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<210> 14840
 <211> 888
 <212> DNA
 <213> A.fumigatus

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<210> 14841

<211> 1869
 <212> DNA
 <213> A.fumigatus

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<210> 14842
 <211> 498
 <212> DNA
 <213> A.fumigatus

<400> 14842
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<210> 14843
 <211> 195

<212> DNA

<213> A.fumigatus

<400> 14843

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<210> 14844

<211> 393

<212> DNA

<213> A.fumigatus

<400> 14844

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<210> 14845

<211> 864

<212> DNA

<213> A.fumigatus

<400> 14845

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<210> 14846

<211> 297

<212> DNA

<213> A.fumigatus

<400> 14846

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<210> 14847
 <211> 630
 <212> DNA
 <213> A.fumigatus

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gcacaagcgt caccctcatc ccgcaagaac ccgtcctttt ctctggtgac gtccaatcaa    180
acctggaccc attcggagaa gcgagcgaga cggagctgca ctctgctcta tccgcctgca    240
cctctatcca agtgcacggc agccccgccg gagaagcggg caccaacaaa ccaacaaccc    300
gcgccctcac cctcgacacc cccatcgccg ccaacggcga aaacttcagc cagggccagc    360
gacaggctct cagtatcgcg cgcgcgggtc gccgccgctc caaggctcgt ctgctggatg    420
aggcgactgc gtcctgtggac cacgagacgg acatgcacat gcaaaagctg ctacggagca    480
tgttccccga ctcgacaatc atcgcgattg cgcctcgctt gcggacgac atggattatg    540
accgggtgct ggttatggct gaaggcgaga tcattgagta tgttcatccc tctctgtctt    600
gtttatcatg ggtttgttca cagaggctaa                                630
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<210> 14848
 <211> 489
 <212> DNA
 <213> A.fumigatus

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<400> 14848
tcgacaagaa aaacatacag aatcacagtg ggggtgtccaa taacttcaaa ctgcgacact    60
gctttgaatt cgttcgaaat ggcgattccg ctctctcaag ttcactctgt tgtggactgt    120
gcttctttca accggaccgt gctgcccttc ctgtctcagt tgacaacgct tcctgcgag    180
ctgcaagtgg ccgcctcaac aaaagatgtg gactctttga aagatatcta tctttcgaca    240
aaccggttta tatcggcgct cgggttccact ttgggtttgt ggggtgctctt cgctgtggca    300
gcggaattca accgcaacta ttgcgaggtt gatcggtttt ggagtatcct gccgtctgtg    360
tatactgtgc actttgtcgc ttgggcgcgc ctgtggggta tcaagaatca gagcttggat    420
accatcgctc tcatcacttt gctctggggg gtaagtatat taaagcgagg actttgtatc    480
tgccgctga                                489
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<210> 14849
 <211> 402
 <212> DNA
 <213> A.fumigatus

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<400> 14849
gttttgaaac ttaccaacca aagctgcctc attgacacag ttagcaatgt cagcaccagc    60
gaagccaggt gtcaaagcag cgagtctgcc ttccagataa tccatatact ccttggtcac    120
aatcttcttc agatggacgc ggaagatctg ttccggccc tccatcgttg gtcggtcgat    180
agtaatgtgc cgatcaaagc gtccaggccg catcaaagcc ttgtccaaga catcgggtct    240
gttggtgcca gcgagaacga caacttgctc cgtagtgttg aaaccatcca tctccgtcag    300
gatctgggtc aggggtgctc cccgctcatc attacctcca ctgaagctct gtttagctct    360
agatttacca atagcatcga tttcatcaat gaagatgatg ca                                402
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<210> 14850
 <211> 738
 <212> DNA
 <213> A.fumigatus

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<400> 14850
atccgactga cgttcaacta ctggcgcaag ggagggtatc agatcggttc tgaggactac    60
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cgctgggaga	togtgaagtc	tcatattaac	aaccgcttct	tctcttctct	gttcaacggt	120
acotttatca	gcctcattca	gcggttgctg	cttctgctcg	tgacggcgcc	tacctacaac	180
ttcattctcc	tctcgcgctt	ccctggagct	gaaccgttcg	gtctccccga	ccttgcttct	240
tgcgcgcttg	cattcttctt	cctcatcctc	gaatacttcg	ccgaccagca	gcaatggaac	300
ttccaaagcg	caaagaagga	gtaccagaag	acagctcgca	tccctgatca	gtacaagggc	360
caattcactc	ccgaggacct	ggagcgcgcc	ttcgctgcta	gcggcctctg	gtcactgtcc	420
cgtcacccga	atthttgtcg	agagcaagcc	atctgggcta	ctctgtacct	gtggaactgc	480
taccgcaccg	gcagctacat	ccagtggact	ggctctgggca	ttttgggcta	catgctcatt	540
ttccagtcag	gcacccggct	caccgagtcg	atcagtgacg	gcaagtaccc	tgagtacagc	600
gagtatcagg	cgcgtgtcgg	ccgcttcatt	cctcgctttt	ctgtcaagcc	caagtacaat	660
ggcagtaaga	agaagacctc	tccgtccaag	actgagccgg	caggcactgc	gacgcaggag	720
ggcaagaaaa	gtcagtga					738

<210> 14851

<211> 693

<212> DNA

<213> A.fumigatus

<400> 14851

cgcgccctac	ctacaacttc	attctctctt	cgcgccctcc	tggagctgaa	ccgttcgggtc	60
tccccgacct	tgccttctcg	cgcttgcctt	tcttcttctt	catcatcgaa	tacttcgccg	120
accagcagca	atggaacttc	caaagcgcaa	agaaggagta	ccagaagaca	gctcgcctcc	180
ctgatcagta	caagggccaa	ttcactcccg	aggacctgga	gcgcggcttc	gtcgttagcg	240
gcctctgggtc	actgtcccg	cacccgaatt	ttgtcgcaga	gcaagccatc	tggcttactc	300
tgtacctgtg	gaactgctac	cgcaccggca	gctacatcca	gtggactggg	ctgggcattt	360
tgggctacat	gctcattttc	cagtcaagca	cccggtctac	cgagtcgata	agtgcaggca	420
agtaccctga	gtacagcgag	tatcaggcgc	gtgtcggccg	cttcattctt	cgcttttctg	480
tcaagcccaa	gtacaatggc	agtaagaaga	agacctctcg	gtccaagact	gagccggcag	540
gcactgcgac	gcaggagggc	aagaaaagtc	agtgatggga	gatctccaat	gcatgatttc	600
tgtcgattga	tttttggtac	ttttaatctc	tggggtactg	ggagactgaa	atttcttgat	660
atatatatat	tgtagtgggt	gagtgggaatt	tga			693

<210> 14852

<211> 456

<212> DNA

<213> A.fumigatus

<400> 14852

tgcacatctt	tcattgatga	aatcgatgct	attggtaaat	ctagagctaa	acagagcttc	60
agtggaggga	atgatgagcg	ggagagcacc	ctgaaccaga	tcctgacgga	gatggatggg	120
ttcaacacta	cggaacaagt	tgtcgttctc	gctggcacca	acagaccgga	tgtcttgagc	180
aaggctttga	tgcggcgctg	acgctttgat	cggcacatta	ctatcgaccg	accaacgatg	240
gaggggccgga	aacagatctt	ccgcgtccat	ctgaagaaga	ttgtgaccaa	ggaggatatg	300
gattatctgg	aaggcagact	cgctgctttg	acacctgggt	tcgctgggtg	tgacattgct	360
aactgtgtca	atgaggcagc	tttggttggt	aagtttcaaa	acttaagtct	gtgggtgtcc	420
agtaaatgtta	atthttcttt	catcagcgcc	tctgta			456

<210> 14853

<211> 381

<212> DNA

<213> A.fumigatus

<400> 14853

tgccagtatc	aatctaaaact	gactcaatcc	acaggatcat	gtcaattccc	cacctggggt	60
tttggtgttg	atcgatatct	acgagtgaag	aatttcaaac	cggagacttt	ctggggaatc	120
aaagtgggtg	atgtccaaga	aaggaaaaag	gtcaacttct	tgtggaggag	agtcctatct	180

ttcgacaggg	cgcccggtgac	cgatcatgctg	gaaaggtgtc	tgctagcaaa	gaccgctaaa	240
gtcacaaaag	ttaacccaaa	accacgagc	aaatggagac	ctctgccgtt	aacgacggtg	300
gacttacaga	tgatggggag	caggtacctt	cgcatggaca	gttcggcggt	catgaaggta	360
tgtcattgta	cgatgtgctg	a				381

<210> 14854

<211> 570

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (386)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14854

gtctgtgggt	gtccagtaat	gttaattttt	ctttcatcag	cggtcgtga	gaacgcggag	60
tccatcacca	tgaagcactt	cgagcaggct	attgagcgtg	tcgtcggcgg	tttgaaaaag	120
aatcacttg	tgctctctcc	tgaagaaaag	cggacgggtg	cttaccacga	ggctggacac	180
gccatctgtg	gctggtat	ccgttgggct	gatccctgc	tcaaagtctc	gattattcct	240
cggggccc	gagctctggg	ttacgcacag	tatctgccag	caggtgggtga	cacatacctg	300
atgaacgtaa	accagctgat	ggatcgcatg	gctatgactc	tgaggaggtcg	tgtcagcgaa	360
aagctgcact	tcgacacggt	taccancggc	gccagcgatg	atttcaacaa	ggttacccgc	420
atggcaacag	ccatggtaac	caagttcggc	atgtcgccca	aactcaaata	catctactac	480
gaggaggatc	ctcaacagca	gctttcacaa	gcccttctcc	gaggacaccg	ctcgggagat	540
cgacagcgaa	gtccgcgcga	tcgtcaatga				570

<210> 14855

<211> 249

<212> DNA

<213> A.fumigatus

<400> 14855

caacgcggac	gagcgtctc	attggacaga	atgcttaccg	ctttgggcaa	aaacaatggg	60
ggcgatgata	tgactgcctc	aggcgtaag	gctctcaggc	atactggcag	acaggcagaa	120
atctactatc	tccgtttctg	gaagtcattc	gcgtcttttg	cgcgtcttgg	ttgtttctca	180
actcgaagac	gcaatgatgt	cgggttcattg	acaaaagttg	gcaacaaggg	cggatcgggt	240
atggcataa						249

<210> 14856

<211> 258

<212> DNA

<213> A.fumigatus

<400> 14856

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ccctggggca	cctgctcagt	cacaatgacc	agcgtcctgg	gacatttgat	ggccctcgac	120
tttgagagtc	aatacaaaaag	ctggctctca	tgcccacttg	gcgcactctt	tgaagctcct	180
gtgcgcgaat	ttgtggaaga	agtatgcaat	atcagcttct	tttcggtcgt	caagggcctg	240
gttatgggca	tctcttga					258

<210> 14857

<211> 183

<212> DNA

<213> A.fumigatus

<400> 14857

gacaataagc caatcgccga aaacatcaag gagcaggcca ggatgtccaa ggctctat	60
atctggaccg actgtgatcg agagggagag cacatcggtg ccgaagtccg caaaaaagcc	120
aaagaggggaa accagcgtat tctgggtcaaa agagctcgat tcagcaacac agagagggcg	180
tga	183

<210> 14858

<211> 243

<212> DNA

<213> A.fumigatus

<400> 14858

agtctcatca atggcgcggt caaaactcct cgttctgggc gccacaatga ccgcgcgcat	60
ccacctatcc acccagtatg ctgggtctca ccaagtgcac tgaactctga cgaaaagaag	120
gtctacgagt ttgtggtcag gcgattcctc gcatgctgct ccgatgacgc gaagggtcaa	180
agcaccgaga ttgagatgcc cttatggagt gccttccaca ggcgcagtaa atccgcgcaa	240
gcg	243

<210> 14859

<211> 381

<212> DNA

<213> A.fumigatus

<400> 14859

ccaagttcgg catgtcgccc aaactcaa	atcatctacta	cgaggaggat	cctcaacagc	60
agctttcaca agcccttctc cgaggacacc	gctcgggaga	tcgacagcga	agtccgccc	120
atcgtcaatg aggcatacaa ccaatgccgc	gctctactca	ctgagaaaaa	gaaggaagtt	180
ggcattgtcg ccgaagagct cctggccaag	gaagttctca	gtcgtgatga	catgattaga	240
ctcctcggtc ctagacccta tcccgaactc	ggagagttcg	ccaagtaact	tgggtgccgc	300
aatggacaga ccattgctcc tccggaacct	acgccgccga	ttgaaggagg	ttccgagagt	360
ggtgctaaac cgccctcgta g				381

<210> 14860

<211> 618

<212> DNA

<213> A.fumigatus

<400> 14860

tggccctcga ctttgagagt caatacaaaa	gctggctctc	atgcccacct	ggcgcaactct	60
ttgaagctcc tgtgcgcgaa tttgtggaag	aagtatgcaa	tatcagcttc	ttttcggtcg	120
tcaagggcct ggttatgggc atctcttgaa	acacgcagca	aggttaactc	tgtgtatagg	180
acaataagcc aatcgccgaa aacatcaagg	agcaggccag	gatgtccaag	gctctattta	240
tctggaccga ctgtgatcga gagggagagc	acatcggtac	cgaagtccgc	aaaaaagcca	300
aagaggggaaa ccagcgtatt ctgggtcaaaa	gagctcgatt	cagcaacaca	gagagggcgt	360
gagtatatat ggattaagct ttttttccat	cggcaatgct	caccccataa	caggcatggt	420
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agaattgaac tcgaccttag aattgggtgct	gcatttacgc	gactgcagag	tcttcaactg	540
cagcgtatgt gtgctgatct gtcaataaaa	ctcatcagtt	acggtacgta	ccttctacaa	600
tatatattatt ataaataa				618

<210> 14861

<211> 204

<212> DNA

<213> A.fumigatus

<400> 14861

ttgagaaaca	ataccctgat	actaactggg	gcgaatacgc	ccgagggtaa	gagttctcta	60
aaggtgacat	tctctgacat	tactgacttt	ctcaactatg	aagtctcatc	aatggcgcgt	120
tcaaaactcc	tcgttctggg	cgccacaatg	accgcgcgca	tccacctatc	caccacagtat	180
gctgggtctc	accaagtgca	ctga				204

<210> 14862

<211> 1380

<212> DNA

<213> A.fumigatus

<400> 14862

cgacgggact	ctctacatga	cgaaacatcc	cttgattggg	gaaggaaatc	acttgaggac	60
cctgggattt	acatccggcg	cccccttgca	aagaacatgt	tccggttgat	ccatgacgaa	120
cggaatcatc	aaggcattga	taagtgtcgg	ctttcacttg	atgggtttac	gctgtaccaa	180
ggccgccgta	tgctacgtca	gtacattgaa	cactgtccgg	tttgtttgca	gaacaagatc	240
cgccatcaca	agccatatgg	aagcctccaa	cccttgacgg	tcccgcttgc	tccgtttgag	300
attattacta	tggatttcat	cgtgggctta	cctgacgaca	atggctatga	tcaactgttg	360
gtcgtcggtg	acaaattcag	taaacgcgtt	ggtctcatcc	ctggtaaadc	aacgtggacc	420
gctcaggaat	ggggatctag	cgtcttgccg	tatttccagg	aacatgattg	gggaatgcc	480
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actgaacgtg	ttatccaagt	cattgaagtc	atgttgccgc	attcctacac	taccgctgaa	660
cgacctgac	tgttccgctg	gacgatggat	ctaccgagta	tcatctccac	aatcaatggg	720
tcaccgaatg	aatctacaaa	ggccactccg	caccgactgc	tcttcggtat	tgacctccgc	780
caaccatggc	agctactgaa	gcaattcgtc	aagcaagact	tctcagtagc	acttgatgct	840
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ccaactaagc	gagccaatcg	taagctccaa	ttgcagaatg	atggaccggt	ccgcgtattg	1020
gaacgcgttg	gaagactcgc	ctaccgtatc	gaactaccct	ctacatggaa	gatccatccg	1080
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ttaccgaagc	ctcccgcggt	cgctcagccg	gaggtctacc	ccggtgagga	tgacataaac	1200
gaagtgcgaac	gcttgctgga	caagcgtacc	gttcagcgtg	gacgcaaacg	tacccttat	1260
gtggaatacc	ttgtgcggtg	gaagggtatac	ggaccggaag	acgaccaatg	ggttcgtaaa	1320
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<210> 14863

<211> 741

<212> DNA

<213> A.fumigatus

<400> 14863

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ggtgatgaca	ccccaaagccg	ggtcatcgaa	agcccgagtg	cacctacact	acagagaccc	180
cagcgagtac	aaagaacgct	tcacttctgg	gcggacggat	tctccgtcga	tgacggtgat	240
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gccccgctat	cgatcatgaa	tgtacaacca	ggtcaagaag	ttgacgtcga	gatcaagcag	360
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cgacttggca	gcccgaactcc	ggccgtcaga	agtcaagccc	cttctgaggc	tcccgcacct	480
agtcagccaa	gcgcagagtc	agtcaagcct	gacgtggatg	agtcgcagcc	gatcgtgacc	540
ctacaaaatcc	gacttgggtga	tgggactcgc	cttacatctc	gattcaatac	atcacatacc	600
attggcgacg	tctaccagtt	cgtttccgct	gccagcccat	ccagccaaag	cccgcacctg	660
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<210> 14864

<211> 900
 <212> DNA
 <213> A.fumigatus

<400> 14864
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 gaagcattcc gtcagttgca atccgcatgt gacagtcgcg ttttccgtgc ccatttcgac 120
 ccccttaggc gcttgtacgc cgacctcgac gcatcatatg aagggttttg tggtatggca 180
 tatcatattc agatcgacga ccaccacact aatctttcga ttccgcccgc gcgtacgggt 240
 attcaaccca tcttgttcct tagtcgaacg cttaccagcg ctgaatcgcg gtactggcca 300
 accgagttgg aagtgtcctg tcttgtatgg gctctccgga agctccgcca catgattgaa 360
 tcatcccgtc aaccaacagt cgtctatacc gaccatgctt ctactgttgg tatttccacg 420
 caaacctcta tgaacactgt cgcgcttgaa cgggttaaacc tacggttgat tcgtgcatct 480
 caatatattc agcagtttag actgcagggtg tttcaccggc ctggtaaatc aaacacagtc 540
 gcggacgcgc tgtcccgctc cacaacaaaa caaaacaaga acattaagta taacgaacct 600
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 ctatccaccc agctcaagaa acgcataata gaagggtact gcgatgatcc acggaccaca 720
 cgcacattg aggtccttcg gcataaccga acgtccgact tactaccgtc ctaccctacc 780
 gattggaatg acgacgggac tctctacatg acgaaacatc ccttgattgg ggaaggaaat 840
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<210> 14865
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 14865
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 gtcgatcgcg tgaaccgagc tgtcaattca tatecttcca agatggagcg taaccccgcc 120
 gagaacgatg aggtgggttc tcagttctgt gcaatgactg gcaactcgcc cgcagaggta 180
 tatcccttca agctaattcc gtgtgatgcc tga 213

<210> 14866
 <211> 423
 <212> DNA
 <213> A.fumigatus

<400> 14866
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 aacacggctg gtggtcggtc tcttggaggc gcagaatcag cggcatcagc aggtcgggtca 180
 ttaggcggca gctcttccca gtccggaact gctacgccga agcaatcttc ctcttcacg 240
 cgaaaccca cctctaagaa gagatttgca accctcgggg atttcgcacg tggaggcggc 300
 gatttctccg atgaagatga cacagagaat caagatttct ttgctgggtg tgagaagtca 360
 ggactagctg tacagaatcc agatgacctc aaaaggaaga tcatcgagaa agccagaaag 420
 tga 423

<210> 14867
 <211> 273
 <212> DNA
 <213> A.fumigatus

<400> 14867
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 gaaaatcaca tgcaaatggc tatctctgcc tataaaacac aaaaaattaa attaaaatta 120
 aaagctgcta aagtatttag catatctaag gctacccttt accatcagct taaaggaata 180

aaagcatata tagaaacaca tgctaatagc tataaattaa cagctatcaa agaggagggtt 240
 cttataaaga gagtgcctaga tgcagataag taa 273

<210> 14868
 <211> 360
 <212> DNA
 <213> A.fumigatus

<400> 14868
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 ctgggtcaaca tgctcagtga ccgcgatctt ggcaaccacc gcctcgctct gacaacactt 180
 aattccgcca ttcacaacaa gatgaatata atcctgcctc accttagcga actgctcccg 240
 gcgggtctttg gcgacaccca ggtcaaacct gaactcatcc gcgagggtgca gatgggtcca 300
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<210> 14869
 <211> 1794
 <212> DNA
 <213> A.fumigatus

<400> 14869
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 atcgtcccat cgtcgccac aaccggctct caggctgagc taagcaggtc ggttccgggtt 120
 atcgtccaga gtctggtgaa aatgtggaag tccggttcgg tgcctttgaa acaagccata 180
 attgtcctac tgaagagctt ggctctcgtg cgctatggcg gtctagcaga tcatctgcaa 240
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 accgttggcc ccgctgtcag tgcgggagcc ctccaaaccg aaacactgag tctcgtcgtc 360
 gctattgccg aaactcatac atccgatgca cttctgcctt tcttgattgc ctttaattccg 420
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 gaccttgaag ttcggcagcg agccattcat gtctttggtg tccctctggc acgtacgtct 660
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 cgtgctgtgg gagcagaatg cattggtcgt ctggcattaa ttgatccggg ggcttacatc 1740
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<210> 14870
 <211> 486
 <212> DNA

<213> A.fumigatus

<400> 14870

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catgtttccg agttctttga ccgtatccta gccggactcg aagacgagca agatatccgc	180
accatatgca atctcatgac ctcgaaactc atcccaatcg cgccagaaga aactcaacgc	240
tacctcgacc agcttttcgga acgttactct gccgtattat cttttaagcc caaggataat	300
gcagtgaagc aggagctcga gaaagcacag gaggcctcca tgggtatcct caaggtgacg	360
cgagagctaa gcaaggcatt tccaaatgct gaggtctccg gtgatcatca caagtggaaa	420
gcttatatgg aatgggttcg aaagacgttt gctaccacag tcaagagcct cgagacggaa	480
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<210> 14871

<211> 285

<212> DNA

<213> A.fumigatus

<400> 14871

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acgtgttctc gttgtggctt cagctgctcg catacgtatt atgttgtcaa gattgcctat	180
tggatcctgc tcgtgctaca gacgatatcg acatttggtta ctgggtcctga tagattcaaa	240
aggctacagt tggcatccag tcattactat ttgtcaagcc agtag	285

<210> 14872

<211> 489

<212> DNA

<213> A.fumigatus

<400> 14872

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tgttgtgggt tctgtgggga cggagctaata gactgtggtg cattgaaagc cgcagatgtc	180
ggtatatccc tttctgatgc cgaagcatcc gttgcggcgc ctttcaccag tcgtcaattc	240
gatatatctt gcgttcaca actgatcaag tcagtgccta cccatttctc attcgaagta	300
gattcttttg taagccacca gcagggaagg acgcgctgct ttgggttacca gcttctgttg	360
ttcgaagtac atgagtttgt actccgcaat ccaattctcg agtgtcagct ttctttacac	420
gtcagcatca aaccttggcg attttcaggt aagtatagta agcacttctc agggctcgtc	480
tctcgctaa	489

<210> 14873

<211> 249

<212> DNA

<213> A.fumigatus

<400> 14873

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actcaattcg tggcattcaa gactgtccaa tcgcaaccat ggtatgttag catgtatata	180
aatcttcacc ggaagcctga ttttaacctt tcacagggtt caacctccaa gaatagactt	240
aaacaatag	249

<210> 14874

<211> 351

<212> DNA

<213> A.fumigatus

<400> 14874

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acttcgacgt	tatacaacag	ctatcgatat	gtgggggtgtt	gggtaaatct	tctgctcttg	120
ctgtcgtctt	cagttattac	taaccattat	aggtgcgttt	tcggcgaaat	gttcaagggg	180
aaaccgattc	ttgctggaag	cagcgatctc	aaccaaacc	agttgatatt	caatcttggt	240
ggaacaccaa	ctgaagaaaa	catgcccggt	tggagttctc	tacctggctg	cgaggggggtg	300
aaaagctttg	ggtataaacc	aggcagtcta	cgtgaggtat	tcaaagagta	a	351

<210> 14875

<211> 261

<212> DNA

<213> A.fumigatus

<400> 14875

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agtttgtact	ccgcaatcca	attctcgagt	gtcagctttc	tttacacgtc	agcatcaaac	120
cttggcgatt	ttcaggtaag	tatagtaagc	acttctcagg	gtcgtcgtct	cgtaaacagt	180
ttcagtttct	gttcattgac	ctggcactca	ttttgccgat	tgcaatat	agtaagcatt	240
ctaaaacatc	ttcaatacta	a				261

<210> 14876

<211> 519

<212> DNA

<213> A.fumigatus

<400> 14876

atcttcaccg	gaagcctgat	tttaaccatt	cacaggtttc	aacctccaag	aatagactta	60
aacaatagca	atatagagaa	ctccgaaaat	acggcgctgt	ttttaatatc	aatcttccaa	120
tatatattta	cgagcatcgt	tctgagcgtg	ggaccaccat	ttcggatgcc	aatgagggcg	180
aacagtgagt	gttacatcct	tagtgttcgg	attgaactga	ctaaatggat	agaaccctg	240
atcgtcacia	ttgtcgttga	cacaatcgtg	tcaagctaca	tgctcttcga	tccaccggaa	300
tggattatcg	aaactatgca	gctgacattc	atatccaggg	gtttcgcggt	ttggcttttt	360
gcactcgcta	ccagcacatt	cctactctcg	tgggtcaccg	aacgcaagtt	ctttcccta	420
ctctcccggg	caattgggtca	tttgaaaaca	cggtctacgc	cgggaaaccg	taagcagcgc	480
cgtcaatata	aagtgctgct	tgatgaaatg	gaaacatga			519

<210> 14877

<211> 195

<212> DNA

<213> A.fumigatus

<400> 14877

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aggtcattcg	atcattcaca	acattaccag	aggctgatag	aatcgatccc	agtttccctat	180
cacggccctt	cgtga					195

<210> 14878

<211> 228

<212> DNA

<213> A.fumigatus

<400> 14878

cccgttatag	ctgccaaact	gttgataagc	aacaacggcg	tacttcagat	tgccgatttc	60
------------	------------	------------	------------	------------	------------	----

ggcttagctc	ggccatatga	tgagcctcca	cctgagccccg	gaaagggcgg	aggggaagct	120
aaaagagact	acaccacatt	agttgttaca	cggtgggtacc	gacccccgga	acttctcctt	180
caacttcgac	gttatacaac	agctatcgat	atgtgggggtg	ttgggtaa		228

<210> 14879

<211> 252

<212> DNA

<213> A.fumigatus

<400> 14879

cttagtacag	gggatggacg	caaaaaacca	agcatgtaca	tgggtgactcc	ttatatggag	60
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tgctatatgc	ttcagcttct	tgaaggactt	aaatacctac	acggtgtatt	ccttccccctt	180
ttccatacga	cgggagaccg	ttctaactca	cggttacaga	accgcattct	acatcgagac	240
atgaaagggt	ag					252

<210> 14880

<211> 192

<212> DNA

<213> A.fumigatus

<400> 14880

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tacaaggacg	agcttatcat	cgtcgggtaca	atgctcgatc	ctctgttcga	gccgctcgaa	120
agtcaggact	cgggcttctc	tttcttgaag	cacatcggtc	ccaaggatga	ccctgtttat	180
gcccttcatt	ag					192

<210> 14881

<211> 348

<212> DNA

<213> A.fumigatus

<400> 14881

atcgatgccg	aaccggttgc	tgagatacgc	cctttccttc	acttcggcaa	cctttctgtcg	60
ttcaatttcc	accttctcgt	cctctatgta	ctccttgagg	gctccacggc	cactgctgct	120
gaatcggtga	ccctcagcag	tgatgtcgct	acccctgtgg	ccgcggcgaa	gtcgacgctt	180
cctactcttg	tattgatctg	cgcccaggga	gctaaaagcc	cagtaccgca	ggtgcgttcc	240
cagagcgacc	atgcctctca	acacagtcgg	atccggatca	aggcatatgg	ctccacatgc	300
gaagaagtta	ttgccaaactc	catgcatgga	ggcttccgct	tgactaa		348

<210> 14882

<211> 249

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (49), (140)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14882

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ctgagcatct	tggctagcgg	cgagtccaat	accccggttg	ctcacagctc	cggatctact	120
tctgtctctt	ccagctccgn	cggcagctcg	tcttccagct	ctgacaagga	gagtgcagcg	180
ggcacgattt	ccgtgccctt	cgttggcctc	ctgtctgccc	cctcgttcat	ggcgttcttc	240
atgctgtaa						249

<210> 14883
 <211> 2991
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (35), (42), (45)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14883

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tcggataacg	tggattcaaa	taagcggtag	ttctcgagac	tgactgcgct	agcttcgtgg	180
agaagcgagt	acattctgag	gacccgcttg	ttaagatcgc	tttcaagggg	caagccagct	240
caattcgaac	cttccaagaa	atatggtacg	gttcgagctg	ccaatgtacg	taatggcagc	300
gctgtagcca	cctacacttc	acagcttatg	taccccgtag	gtcacctcgg	tgcttctttc	360
ggtgcagaag	ataccaggaa	agaaccacat	tttattcatg	gtgcgtcgga	gcagggaaatt	420
gcatctgcta	gcgacccttc	gactgtcaaa	gtcggtagct	ggggcttgct	tgatcatcaa	480
atgttccggc	atcttgcgga	cttggttgct	ggcgatgggt	aatatggcct	tggatccggc	540
gacattgttg	ggcaacccaa	ctgcatggac	gtcagtcagc	catatggcat	gatctatggc	600
gaaggttgct	cgcaaggctg	cagttacttt	atctcgacta	cggagcagcg	tggccgtttc	660
cttggaactg	tggaaatcgag	ctcccaaccg	caacagggcg	tccttgcgct	caaccgggca	720
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gagagtcaga	gtgtcgggca	accagagaga	cagcaagaca	gggaatatcc	tttggtgagt	2940
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<210> 14884
 <211> 507
 <212> DNA
 <213> A.fumigatus

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catcagctca	ctatcgctat cagtgttgat gtggcggtgg gcctcaagat ccaagtatct 240
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gttcacataa	aagggttgag cctcggcatt cgcgctgctt ccagcagttg ggtatctcag 360
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ggctgccata	ccattggcct tcaactggta gatgcgacca cctgccgcgc acgttgcaat 480
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<210> 14885
 <211> 237
 <212> DNA
 <213> A.fumigatus

<400> 14885	
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gcccagtttc	ctattttcca gcaactgcta gttgactttg ttccacgaa acctttggta 180
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<210> 14886
 <211> 285
 <212> DNA
 <213> A.fumigatus

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aacgatcctg	atcgatcggt ttctcttgac gacgaaaaat ttcacctgg gggcggccgg 240
cggaccccaa	cgcctttcca cataggacct caaactcacc aagac 285

<210> 14887
 <211> 564
 <212> DNA
 <213> A.fumigatus

<400> 14887	
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cagttgaagg	ccaatggtat ggcagccaag gttttcaatg atggtgcgag agtggcggac 180
cttccaggct	tcatgggcat tggacatctg agatacccaa ctgctggaag cagcgcgaat 240

gccgaggctc	aaccctttta	tgtgaacagc	ccctacggta	tttgccctggc	ccataacgga	300
aacctcatca	atgctcccga	gttgaaaaga	tacttggatc	ttgaggccca	ccgccacatc	360
aacactgata	gcatagtgga	gctgatgctg	aacatctttg	ccgatgagct	cagcgagacc	420
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tgccaggggg	gctgggcttg	caaggcgatg	ctggcagggtg	agcatattca	tacctcttac	540
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<210> 14888

<211> 723

<212> DNA

<213> A.fumigatus

<400> 14888

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tacatgatgg	cctccgagtc	ggttgccttg	caccagcttg	gattcagcaa	cttccgtgat	180
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gcgccgaaga	aggcatatgc	tcccgatatt	tccgagtagt	tctacttcgc	acgtcccgat	300
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aatgtccttt	tggtagacga	cagtatcggt	cgcggtacca	ccagcagaga	aatcgtcacc	660
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taa						723

<210> 14889

<211> 2001

<212> DNA

<213> A.fumigatus

<400> 14889

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attcccaacc	tcatgactac	gctcaagtcg	gatactggcg	ccggtgatcg	tttgggatac	180
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ccaacaatct	tgcagaacgt	ctcaagctcc	aagccagctg	ttcggaagg	cttcatgaca	300
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 acgcaagcag ctctggccat tggcgatata atcgaccgta cgaatgcaaa ctcgttgaag 1920
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<210> 14890

<211> 303

<212> DNA

<213> A.fumigatus

<400> 14890

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 atccttgac tcattgacga tgatgctagc gatcagactg gtaagttgag atccaaaatt 180
 gacgaggtca acgttgacga gctaactttt caagcagatg gtgttgctat cacgaatgcc 240
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<210> 14891

<211> 267

<212> DNA

<213> A.fumigatus

<400> 14891

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 agtgagacac tacgcaacag ggctgctaag ggtcttgga tcttgattac cttgactcca 180
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<210> 14892

<211> 387

<212> DNA

<213> A.fumigatus

<400> 14892

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 ttcagctgtg ttccgcatgt catcattccc gtcaagctcg ctgctgaagc tgcgttccctg 300
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 ggggctgaac tcccccttg gacctaa 387

<210> 14893

<211> 417

<212> DNA

<213> A.fumigatus

<400> 14893

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<210> 14894

<211> 711

<212> DNA

<213> A.fumigatus

<400> 14894

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cgcgatcgtg	ggcgcaggag	gtgggtctagg	ctctctcgcc	cagcaatacg	ccaaagcgat	600
gggattgcga	gtcgtagcga	tcgatggcgg	cgaagagaag	cgagaaatgt	gcgagaaact	660
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<210> 14895

<211> 207

<212> DNA

<213> A.fumigatus

<400> 14895

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ggcgaagaga	agcgagaaat	gtgcgagaaa	ctcggagcag	aggtaagagg	tctgcaattt	180
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<210> 14896

<211> 183

<212> DNA

<213> A.fumigatus

<400> 14896

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ccgtcgtcta	ctctttcggg	gacgaatctg	gagaagttgg	atggggagaa	gggcgtcaat	180
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<210> 14897

<211> 666

<212> DNA

<213> A.fumigatus

<400> 14897

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gttgtgctgt caggcacacc cgaagtccga gctgatgac gtcagatcta ctacgacgca 180
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agataa 666

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<210> 14898

<211> 1179

<212> DNA

<213> A.fumigatus

<400> 14898

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<210> 14899

<211> 195

<212> DNA

<213> A.fumigatus

<400> 14899

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atgctgggct gcatctccgg atttcaaaac aagcacttgg ctcttaagcc taaaaacgca 180
cctccgcctt cctag 195

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<210> 14900

<211> 1260

<212> DNA

<213> A.fumigatus

<400> 14900

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aaaacaagca	cttggtcttt	aagcctaaaa	acgcacctcc	gccttcttag	tatctgtctc	180
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<210> 14901

<211> 282

<212> DNA

<213> A.fumigatus

<400> 14901

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cccttgttgc	atactaagac	cgagttttcg	aatatgcagg	atgccttgta	ccgcgatctg	180
aaggacaagc	aaaaccccca	aaacctcata	ccctactctc	tggttcatttt	cctcgagtgt	240
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<210> 14902

<211> 291

<212> DNA

<213> A.fumigatus

<400> 14902

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gtgcttgatg	cggctggggc	ggagtttgct	gatgagaggg	aggaggtgga	ggctttgacg	180
tatgtttatg	tggctggaca	ggaccgattg	gaggatgctg	agtgggattt	cgaggccttt	240
aagagggata	agatggcctg	gtgggttgat	gcagatgaga	gcgagtgggtg	a	291

<210> 14903

<211> 1824

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1786)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14903

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caatcattgc	tttgcaggat	taatggattt	aataggccac	ttgtataccc	gcgtttcggc	180
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aaggaagtct	cacaaagagt	ctacttcttc	aattcatact	tttttgcaac	acttacgaac	360
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<210> 14904

<211> 285

<212> DNA

<213> A.fumigatus

<400> 14904

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cgcgggcac	ccgattacct	ccccggccct	gaagacagtc	taacccccaa	gatagggtcaa	180
ccctcgctac	ctctccgtga	attgggaagc	cgggtggtgt	ggtgcatttg	ctgtcatgcc	240
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<210> 14905

<211> 813

<212> DNA

<213> A.fumigatus

<400> 14905

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<210> 14906

<211> 1482

<212> DNA

<213> A.fumigatus

<400> 14906

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caagacgaac	tccgcgaact	gagacgccat	ttcgagcagc	agataaacga	cgaaaaagcc	180
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acggcaagct	gcaacagtgt	tacactcgag	tcctcagttc	gcgcattgaa	ggcaagaata	420
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accgttaccc	ggaagaacaa	cagtttcacc	tttgaccgcg	ttttcggacc	ttcgacacag	780
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agctgcctcg	gagatgtcat	tgcagctctc	ggacaaggaa	aggaagggtg	acacattccc	1440
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<210> 14907

<211> 792

<212> DNA

<213> A.fumigatus

<400> 14907

catttgacag	agcgacctca	cattctttacg	gtaacagaca	ccacccgcgc	cagaagcgct	60
acacaggccc	ccgagcccag	ccgatctggg	acaggaagcc	ttcctccgtc	acgtccagga	120
acaagtatgg	gacgagttca	tactagaact	aattcccatg	cgatcatcaac	tctgacccga	180
tcggcctcaa	ctgctttcacg	gactaccaga	acgaattttct	cctccactgt	tggacccgga	240
tcacggcctc	cttcgcatgc	gccacgaccg	cacacatcgc	ttgctgggtac	ccgaaaaccg	300
aacggtcact	ccatcactcg	gcccgcgacg	tcattggata	cccatgaaga	agaggatttc	360
gctgcaagca	ttttgggaaa	gagaaagggt	aggcggcag	ccctattttc	cctgtttgat	420

```

atttattccc accctgcac tattacaccg catagtaagg acaggaagtt gtcgtgcgat 480
tggtctgact cgcaacggaa gctccttggg attcaagagg cccctttgcg aattgggtcaa 540
ctcgaggcat caccatgtcc tgctttggat gaggcggcaa aggatcccgt ttccaagac 600
atgctggacc caaaacccgt gcacctgcg caggatggac ccattaaacc tcctccctca 660
aagatccccg tatcttctcc ccgtgagaca cgcattcgag atgcctgcat ctaccccaaa 720
accttctccc aggaaaaaga aaccacctat cgtaccattt ctgcacagag attcttcgat 780
caagacgttt aa 792

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<210> 14908

<211> 330

<212> DNA

<213> *A.fumigatus*

<400> 14908

```

ctcgggctga atccaacagc ggacccttca aagtttgcct gctttccgat ggctgattcg 60
gagttgtggg ttagacaagc cagcgccact tgtgcaagaa cctcatcctc aatcgggtcc 120
ttcacgaaca actcatcacg gtgcttttca atgtatcccg tctccacctc gcccttgatg 180
aaatctgggc ttctgcaaac ggctttgatg aactcgatgt tggatgatagg gcctgcgacc 240
tcatattctt ccaaggcagc tgctagtttg cggattgcct cttcccgggt ggcaccgcga 300
acgattagtt ttgcgatcat tgggtcgtag 330

```

<210> 14909

<211> 216

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (212)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14909

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ttaaacttac aggatgattt agctgaagcc gctacgcacg acgcgttgta ctttgatgat 60
ccctccctcg atgtcgagga cctttatagt gattgggacg aattgtcaga tgattattat 120
gatgacgatc caaccgttga aaagaggcga cgcattgatc agataacgag tcttcaccac 180
ggggatggaa gtatccacgg ggttctatgg gntcga 216

```

<210> 14910

<211> 270

<212> DNA

<213> *A.fumigatus*

<400> 14910

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ccggattata ggcgggtagg tgcacggct tctcaacacg gcatcaaagt gacaacgctg 60
tacacggatc ccgacagata tgctcagcat gcgttgagct caccgtttgc gtttaatctc 120
ggctcggttt ctgcatatct cgatgggtgac cgtatcatcg agattgctaa gagagaaggc 180
tgccaagcga tacatcctgg ttacggtttt gtaagtgtct gccacgtat gaacgatcgc 240
cgtacactta tcatcgttat ttatagttga 270

```

<210> 14911

<211> 1737

<212> DNA

<213> *A.fumigatus*

<400> 14911

```

ccttcgctaa tacctgaaag ccagtcaaag aagatcatga cagctgcagg ggtcccgtgc 60

```

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gttcctgggt atcacggctc aaatcaagac gtgaacttcc tcgaagccga agctgataag 120
attaagtacc ccgtgcttat taaagcggct aaaggaggcg gcgggaaagg gatgcgtatc 180
gccagggtcta aagctgaatt ccagggtcaa ttgcaatctg cgaaatcaga agccatgaac 240
tcgttcgggag atgaccacgt cttggctgag aagtacatta ctacaccacg tcacatcgaa 300
gttcaaactct ttgccgataa gtacggaaat tgtgtcgctt tgggcgagag agattgcagc 360
atacaaaagac ggcacacagaa gattcttgag gagtctccag caccatctct accagacgct 420
accagaaaag atatatgggc caaggcgaga gctgccgcgc tggccgtagg ctacgagggc 480
gccggtaccg tcgagtttat tttcgacaat gacaccggcg aattcttctt catggagatg 540
aacactcgac tgcaagttga gcatcccgtg acagagatgg tcaccggcca ggacctcgtt 600
cactggcaga tcaaggctgc ggaggagacc cctctgccgt tgactcagga ccaagttgaa 660
gctgaaatgg ctacccgcgg acatgccatc gaggctagaa tatatgcaga aaatccggac 720
caaggtttta tccctgactc tggccgcctg ctgcacgtcc gcactcctcc gacgtcagaa 780
gacgtaagaa tagatgcagg tttcgctgca ggagatgatg tctcagctca ctacgaccca 840
atgatcgcaa aactaatcgt tcgcgggtgc acccggaag aggcaatccg caaactagca 900
gctgccttgg aagaatatga ggtcgcaggc cctatcacca acatcgagtt catcaaagcc 960
gtttgcagaa gccagattt catcaagggc gagggtggaga cgggatacat tgaagagcac 1020
cgtgatgagt tgttcgtgaa ggaccgatt gaggatgagg ttcttgaca agtggcgctg 1080
gcttgtctac accacaactc cgaatcagcc atcgaaagg aggcaaactt tgaagggtcc 1140
gctgttgat tcagcccgag ctatcaagta cgagagatga cattggcaga aatgactccg 1200
gccggaaaag acggcacaaa attcaatggt cgtgtcaagc agactggcaa caacgtgtt 1260
gatatcgagg ttggcagtcg tattttcgag caagtacga gccacagtga tccgcacatc 1320
agagtcgtca catccttctt tccccacact cgacttgaca cgactgtgat acaagacggg 1380
gattccgtcg tcgcgttcca gcgaggtaat caataccgcc taacgatccc ccgggccaaa 1440
tggatggaag aagcattggg catgaaggat gtcaccaaca gtgtcttggc ccaatgcc 1500
tgcaaggtgc tgcgcgtgga ggtcaaggca ggcgatgtgg tggagaaaga ccaaccattg 1560
gttgtaattg agagtatgaa gatggaaaca gtaattcgca gccctcagaa gggaaccatc 1620
tccaaagtgg tacatcaaaa aggggtaggt catgcgacac ttcttttttt tctttccttg 1680
tgtttttgtt tttaacccca ccccggcatt gttcccgttt attggctcgtt cacttga 1737

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<210> 14912

<211> 252

<212> DNA

<213> A.fumigatus

<400> 14912

```

acccccctcac caggaaacat ctactccacc gcaaaccoca cctcagcaaa ggatctcatc 60
accccgacaa tcaaacaaga taccttcaca accggctcgcg gcggctcagg aaacatggtc 120
cagtatgac tcgagcgtcc agagatcgca cgcgagctgc aggacgtaaa atcgccgcgc 180
cagcgggtgg aggaagcccc gcaccatacg ggacggggta gggatgcctt attcttatct 240
tccccgcgtt ga 252

```

<210> 14913

<211> 1131

<212> DNA

<213> A.fumigatus

<400> 14913

```

tcgcccttcc agcccgaatc catcgttgaa gaccggcata gctccaaggc caatttgagc 60
atcaataagc tgcttgaggc ggaagagcac atatggtctc cgatgtatgg actcaaaggc 120
aatattgatg ctacagtcca agttgcatgc aatgatgggg agggcaacag aaatcttgct 180
gtccctcttg agctcaagac aggcacacaga gacacaaatc aggcacacag ggctcagact 240
gcgctttata ccttggtgct ttctgatcgc tacggttaagc tttccagccg caattactct 300
ccggactttg tctcactgat tctacgtttt caagacgtcg acgtaacctt cgggctactt 360
tattactctg aatatcagaa gatatttcgc atccgtgggtg tcagacatga gctcttgcaa 420
atgatccagg aacgtaaccg gctggcgggt tttgtccgtg aaagactcca acttccaccg 480
atggtgaaga agccaggcat gtgcaacagg tgttactcaa agacgccttg cttgatctat 540

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cataagcttg	cggacgacgg	agatggcgaa	actagcggac	ttggcgatga	attcgtcaag	600
gctatggact	atttgacgcc	ccaacatcga	gactttttta	agaaatggga	cgatctgctg	660
acgaaggagg	aacagagcat	gatgcgattc	aagcgagaac	tctggacttt	gttgagtagt	720
gagcgagagg	ctctcgggcg	ttgcttcggg	aatgtcgtga	ttcaaccagg	gtccgcatac	780
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gatgagaaa	gtcactttgc	gctcgccaac	ggatacgttg	tgcaggtcag	cccaaagcac	960
ataatagtcg	cagtcgatcg	gagattgcac	aatacaagaa	caaagacaaa	gggatttgat	1020
gcgagcaaaa	accaatcatt	ccgaggcatc	gcggaacttc	tgggagatgg	gcccttacct	1080
tcaagctact	tctcacgagc	cggaggagga	gattctttat	cgactggata	a	1131

<210> 14914

<211> 630

<212> DNA

<213> A.fumigatus

<400> 14914

ttcgatccct	gtagcgggtcc	cttccagccc	cgcggtgaaa	cggttggttca	ggatgagaga	60
actaaaaaca	aaaaggcagt	aatcttgoga	gaatcttggt	ttgacagccc	atgcagtaag	120
ggcgcatata	ttcacctgac	cggcgatttc	gatgcagcag	ggcagtgcat	tgtcgatgat	180
gcccataata	tgattatact	tcacccagat	cacctaatat	ctgcgaccgt	tgttgcagac	240
tcgatcagtt	gccaacgaag	agcagttctt	caggaccgta	tcaagaattc	gagcgacatt	300
agcaagcctc	aagtgttcgg	aaatatcttt	catgagttct	ttcaggaagc	tatgaaagtc	360
aacaaatggg	acctgaagtc	tttgagggtc	ttagtggagg	ctattcttgt	cagacacggt	420
gaagacttat	acttgatcca	gatgaccgtt	ccggaagccg	tcgagtacat	gatgagcaga	480
gtcccagctc	tgaaaggctg	ggcagaggtc	ttccttcggc	ccactccgag	tgtaagtgca	540
tcttgagga	gttgcgacgc	tttggttaatt	aatcgccctt	ccagcccga	tccatcgttg	600
aagaccggca	tagctccaag	gtcaatttga				630

<210> 14915

<211> 1899

<212> DNA

<213> A.fumigatus

<400> 14915

tcgcagtcga	tcggagattg	cacaatacaa	gaacaaagac	aaagggattt	gatgcgagca	60
aaaaccaatc	attccgaggc	atcgcggaac	ttctggggaga	tggggccctta	ccttcaagct	120
acttctcacg	agccggagga	ggagattctt	tatcgactgg	ataaggacga	attcagcaac	180
ggcatggcga	tcgttcgaaa	caatctcatt	tgcgatgatg	aaaaggacct	atttcaagcg	240
aatcgactca	gaaaactcat	tgttgaggga	gaaacaccca	ttttcaagcc	gtcaccatca	300
gctttttccat	tgtctgactc	cgccaaagca	agcctaaatg	tcgatcagaa	aagagccata	360
gaaaaagtca	tgagtgcgcg	agattatgcg	ctagtctctg	gtatgcccg	cacaggaaag	420
acaacaacca	ttgcccatac	cattcgagca	ttgggtggcg	aaggaaagag	tgttctcttg	480
acgtcgtaca	cgcacaccgc	agtcgataat	atcctactaa	agatccgaga	tgacaatttc	540
cgcattctgc	ggataggagc	tactgcaaag	gtgcatactg	aagtacagca	gtttgtcgat	600
cttgccggcag	tccctaagtc	caccgtcgaa	gagctgaaag	catcctatga	agagtcacaa	660
gtagtcgcga	cgacttgtct	tgggggtcaac	cacaatatct	tcaatagacg	cgtattcgac	720
tattgcattg	ttgacgaggg	ctcgcaaate	actcttccag	tatgcttagg	gccgatccga	780
atggcgcgca	cattcattct	tgttggggac	cattaccaac	tgccaccttt	ggtgcaaaac	840
aagcaagctc	aagagggagg	actcgatgtc	agtctgttca	agctcctttc	cgatgcacat	900
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tccaacaatc	ttatctactc	gggacgtctg	aaatgtggaa	ctcctgcggt	tgcacgcgc	1020
tccttggaac	tgcccaacat	tggcggtctc	aagctgcacc	atatcaacca	actaccgcag	1080
tcatcaaatc	aacggcaatt	ctgtttgggc	acgaaccaag	gccgctgctg	gctacggggac	1140
gtgcttgatc	cgtctgcaaa	gaaccgtttt	atcaacacag	acacgcttgg	gatcccagcc	1200
cgagatgtgg	caaacggcac	tatgatttga	aatccaactg	agtcttctat	ttgcgcacag	1260

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ctcgtggagt cattggtttc gtgcggcata ccagcacgta acattggtgt tatcaatttc 1320
taccgcagcc agctctccct gttgaagcag aatcttcgtc gataacctacc acagcttgaa 1380
atgcatacag cagacaaatt tcaaggccga gataagggaag tcgtgttact aagctgtgtt 1440
cggagcaacg tcgacaataa cgttggcgat cttctccgag attggagacg gatcaacgctc 1500
gcctttacgc gtgcgcggac taagttgctc gttattggaa gcaagagtac tctgcgggac 1560
ggtaatgacc tgcttcgcaa atacataagc atgggtggaag aacgaagatg ggtatatgat 1620
ttgccc aaat gtgctttgga aagccacatc ttcaactgcg acgtgagctt tcctccatca 1680
ctcgatgcag acaagtcacc atccaaggga agcagaagtc tcccaaagac ttctccttcg 1740
ccgaaagcac ctctgaatcc cctcagccca atagagggcc aaccatcgcg tcgaggtctc 1800
aagaaacccg ctaagacagg agccaaactt ctaagcggga gtaatgtcat tggaaataga 1860
cctgtgttac aggacgtggt aaatgaactc attggttaa 1899

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<210> 14916

<211> 213

<212> DNA

<213> A.fumigatus

<400> 14916

```

gtgatctggg tgaagtataa tcatattatg ggcatcatcg acaatgcact gccctgctgc 60
atcgaaatcg ccggtcaggt gaatatatgc gcccttactg catgggctgt caaaccaaga 120
ttctcgcaag attactgcct ttttgttttt agttctctca tcctgaacca acgtttcacc 180
gcggggctgg aaggggaccgc tacagggatc gaa 213

```

<210> 14917

<211> 252

<212> DNA

<213> A.fumigatus

<400> 14917

```

acattggtat gtgaaacttg tgccctccaa ccgctccgctc tcaacgccgt cctaattgacg 60
ccccgcgcca caggcaagta cggagcccgag gtcaacggcg ccctcacggc tgcccaccag 120
cccaccgacg acgcccacat ccgtgaatcc ctcttccact gcaatggtgg cgccgacggc 180
gatattctct tcatcaagta ctgcggtggt ggctgcaaga atggcggcaa tgaccgcagc 240
gactactgct ag 252

```

<210> 14918

<211> 879

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (819)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14918

```

gtccaacttg gacgcacccg cggggcagag atgattcatg agagcctagc gctttgcggt 60
cttcccattt ccgttctagt ggttactgctc ttacccctcg tcgcatttca acgtcaccag 120
actagtttac tctccctatg catcgtctac aaaatggcat acaacctgtc agatattttg 180
aagagtgcgt cggtagactt ggctccgtac gaggatctct acaagtattt ccacgcccat 240
cctgaactct cgctgcaaga agaagctacc tctcaaacgg tcgcagccca tttatcccag 300
ttcaacgcgt atgagatcca caccaacatc ggcggctatg ggctcgcatg cgtcctcagg 360
aatggcgatg gcaagaacgt cctcctgcga gcggacatgg acgcactccc cgtcaaggaa 420
cttaccggac tgccgtacgc gagcacagtc aggatgcgcg acgccgaagg ggtcgaaaaa 480
acagtgatgc acgcctgcgg acatgacatg cacatgacat gcctgctcgc ggcagcggaa 540
actcttgcca acatgcagca tgcattggagc ggaacgctga tcgtgctgtt ccagcccaac 600

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caggaacccg	gcggtggcgc	ccaaggcgat	ggtggaacga	tggcctctaa	ctccaataat	660
ccccgtgccg	ggattatgtc	tttggccagc	acgtcatgcg	catgcggggc	gaaagcgttg	720
gctgccgccc	gggaaccatc	atggctgctg	ctgatagtct	caagtcaccg	tctatgggcg	780
cggtagccat	ggatccctgc	cgcacagac	cgtcgatcnt	gcgcttctcg	ctgcgcacat	840
tggtgtcaga	ctgcagggga	ttgtgagccg	agagattga			879

<210> 14919

<211> 660

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (62)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14919

tctcaagtca	cgtctatgg	gcgcggtggc	catggatccc	tgccgcatca	gaccgtcgat	60
cntgcgcttc	tcgctgcgca	cattgttgctc	agactgcagg	ggattgtgag	ccgagagatt	120
gacccagcgc	acttcgccgt	cgtgactggt	ggaagtctgc	aagcggggca	gaccgagaat	180
atcattgcgc	accgggcgga	ggttgggctt	gatttccgga	cgtcaagct	ggagactcgc	240
cagaagatcc	tctctgctgt	ccagcgcatt	gtcgaggccg	agtgcattgc	cagtggctcg	300
ccgaaaccgc	cgtgttttac	tcccacgcgc	cgttttcgc	caacgggtcaa	cgacgaacag	360
gtggcgtctc	agttggcggc	gtcgtttgca	cagcattttg	aggattttga	cggggataca	420
ccgaggacca	atgtcagcga	agacttttct	acgctgggta	cttgcagagg	tattccgtgc	480
tgcttttggg	tccttggggg	tatcgatgca	gaactctggg	accaggcagt	gagagaagac	540
agtcacacag	atgagatccc	tggcaaccac	tggcgctttt	ttgcgccagt	tatacagcca	600
acgatgagag	ctggagtgga	tgctctctgc	cttgcagctt	tgacgtttct	gaggaaatag	660

<210> 14920

<211> 552

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (150)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14920

atcaagattc	ggtctctgtc	tatcgtcgtg	ggtttgatgc	ttgtgttccg	caatcagaca	60
tcctacaata	gattctggga	cggccgcaac	ggcatgaaca	caattgtcac	ctgtgtgcgc	120
aattctgggtc	gtacgattat	cacaaacagn	tacagtgagc	gcggccctcc	caccgccgct	180
gaacagcagg	acgtcgagcg	gacgatcagt	gtgatcatgg	caattcccta	tgctgtcaag	240
aaccaccttc	gggatgaatg	gggcgcggca	tgggctctag	ggagtgatgt	caatgagaac	300
ggcaccgcgc	tgtatgacgc	agattacgcg	agtctccttc	ccgtgggtct	ggaaggatcat	360
gagcatgacg	gcctgggtct	acctttccag	ttgaccttct	ttgtggatgg	gtttatcaaa	420
cggggcggtg	aacgggggtg	gttcaatgct	cccggagcaa	gtcagatgca	ggcccagctg	480
aacacattga	cagatgcgta	tgggaggatg	gaaaccatca	aattgactcc	tatacctgtc	540
gctcatttgt	ga					552

<210> 14921

<211> 330

<212> DNA

<213> A.fumigatus

<400> 14921

atgacaggca	tctattgcac	aaatgacagc	acgcaccagg	tgatgattca	aacgagggct	60
acgctgggcc	gagccgcgga	ctacaagagg	tacgaagaga	aagccgggag	gagcttcaat	120
cgggccatga	tttgtgttca	atcggtttga	gcgcatcaac	tgatcgatgg	tcagcaaagc	180
atcgctcgta	tgatcaagaa	atcctacctc	caaagcatga	agttgtataa	ccccgtcaac	240
ataattgaag	ttcttggcga	taacgacgtc	gacgactttc	atgtccccga	atacattacg	300
gaaaccagga	gacctcgtac	aatctcttga				330

<210> 14922

<211> 1803

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (59), (240)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14922

caagtggcaa	cgtcagcatg	cgaatattta	ggcctgaata	accagattca	tccttccana	60
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gttgtcatag	taggcgccgg	cctagcaggt	ctgggtggccg	cctacgagct	ctccaaccgc	180
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<210> 14923

<211> 207

<212> DNA

<213> A.fumigatus

<400> 14923

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gggggcatca	cagcacggtc	aaacatgcag	tttacgaaac	tctcaaagta	cgtccagcta	180
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<210> 14924

<211> 1008

<212> DNA

<213> A.fumigatus

<400> 14924

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aacccatccc	gtcgctatgc	ggatattatc	gttcacgtgc	agctggaggc	cgtcttgctg	180
aatggtgcaa	tcgacttctc	agatgacgtg	gagtctctga	gcaagacggc	ggatctgtgc	240
aatactaaga	aggattcggc	gcacaatgcg	caggagcaga	gcgttcatat	ccaggcttgc	300
cgtagtatgg	acaagaagag	acaagagatc	ggtggcgact	tgatcagtga	gggaatcgta	360
ctttgtgtct	atgagtcggc	cttcgatgtc	ctcattcccg	agtttggttt	cgagaagcgt	420
gtccactgtg	accaactacc	tctgaagaag	gccgagtacc	gcaaggagac	ccgtgttctg	480
gagctctatt	gggagaaggg	tggtccatct	tccgcgtaca	ttccagagga	cgaaaggcct	540
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agagagcgtg	cgcgcgaaacg	tgatgaagcg	atccgcgaagc	agactgagac	tgggaccatg	660
tctgcggatg	atgtcgatgc	tctcttcgac	gatgacgacg	atatctccga	ggtcaccgag	720
atggctgcag	gtgtctcttt	gaactcgtct	gctgaccgca	caactcagag	catgccacct	780
tcaccgactc	gtaatggcca	tcttcagcag	actcctcacc	gtacccgatc	cgatcccaag	840
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aaactgttca	agcttcgcga	ggaggacgga	gagtacattc	aggatgtgac	cgagatgacc	960
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<210> 14925

<211> 1422

<212> DNA

<213> A.fumigatus

<400> 14925

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gacgaggtgt	ggtctcagaa	gaaagaaaag	gaagagaaaa	agaaacgcaa	agatatcaca	180
gatgctcgct	ccggcagcac	cgcaggaacg	gataaattat	cgaggtcggg	ctccgctgcc	240
aatggcgatc	gacaggaaat	tggacccgat	ggcagcatcc	ggcgtcgtgg	aagtctgcgc	300
caacgaccga	cacagaagaa	gaatgacgac	ggtgaagtcg	agggccagag	cctccttctc	360
gtcgaggaag	atgagatcag	tgacgaacag	aagcctcttt	acgcgggtca	tatcgttgct	420
gtcattgagc	gtattgccgg	ccaaatgttc	tcgggaactt	tggggctcct	tcggcctagc	480
agccaggcta	caaaggagaa	gcaggaagcc	gaacggcagg	ccagagaggg	cggtagcgcc	540
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gagctctgct	ctctccttcc	agaacaggat	cgcccttacg	tcagcgttgt	attcactgct	1200

aatccagaaa	ccggcgctgt	cgacgacgat	gtttggatcg	gcaagagtat	tatcaaaagt	1260
gcaggcagat	tgagttatga	tgaggtgaac	tctgtgatca	agggagagac	caatgtatcc	1320
gttgccggaa	tctccgcaa	catcattcag	accctcaatg	tcggtaaccc	gttatcccaa	1380
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<210> 14926

<211> 438

<212> DNA

<213> A.fumigatus

<400> 14926

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tctactgatt	cacgtgaact	ggtggaggaa	ttgagacaca	aggcaaactt	cttcggttgc	180
cgcaaattgg	tttccgccat	gcctgacaag	gccttccttc	gccgtcaacc	atcgccctaac	240
tcccgcgcgc	ttcattccctt	cattgatcgg	atgaatcgcc	tcggctacga	ctttgaccct	300
tcgagcagtg	gaactctgca	gagcagcctt	tgcaaagtac	aggatgatga	cctgcggaag	360
gttcgtgttt	tactaaggac	attacttcat	tccactgaca	tactgaccgg	gattagggtg	420
tggaaactgt	tttgttga					438

<210> 14927

<211> 399

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (9)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14927

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gcccgcaccc	gcgacgacgt	gatcatcatc	ttcgaagacg	cctcggatcc	ttccgacctg	180
cagtccaacg	acagcaagga	gaatcatgct	gcgctccatg	cgcccaaagg	gatgggcccg	240
tccgcgcgga	agagtccgca	ctaccccaca	tcgcttctcg	ccccctccac	ggcggttact	300
tgctccgtcg	gctcgaagtc	cagagcggtg	tctgggttcg	ggaaggcctc	gtcctcaagc	360
atgaaggcaa	agcctcggat	tgggatacgc	agattatag			399

<210> 14928

<211> 441

<212> DNA

<213> A.fumigatus

<400> 14928

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ccaccgtgcc	cctgctgttg	taaatctcat	ccgccagcac	agcccgtcca	atcaagctct	180
cgcgcgcgcg	gaaccaaacc	gacagaccca	catacacgat	actcgtcgcc	acgaacccta	240
acagccaccc	aaactggtac	ggatggatcc	cgaccccaac	atcaatgcta	ctgttcacag	300
acgcgatcaa	acccggtaga	ttcggcgcaa	cgccaaccag	gaacgcgacg	aaggcgcgcc	360
agttcgtccc	ccacgaggaa	taccgatacg	tcgggtttga	cggctgatac	agcgccaggg	420
tatcgtactt	ccgcgcgttg	a				441

<210> 14929

<211> 213

<212> DNA

<213> A.fumigatus

<400> 14929

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tcctcttttc	gtatgcccg	tagcgctcag	caattcgatc	ctttcaacc	tgagccattc	120
tttggtagt	tagcctggca	cgaggctactc	gagttaaatg	atccccctat	tacctttttt	180
gaaactctct	tcgaaggcct	aatcctcttc	taa			213

<210> 14930

<211> 885

<212> DNA

<213> A.fumigatus

<400> 14930

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atccccatgc	tccccatcgt	cttcaccttc	atcaccttca	tcggcatcgc	cgcctcatcc	120
gccggccagt	cgcgctacgg	cggcgagatc	ccctgggacc	cgatcgtgct	gatcagtcac	180
tggaccagcc	gcgcctgcgc	cttcttcgcc	gccttctcct	tcgccctcgc	ctccctaggc	240
gtcaacatct	ccgccaactc	catctccgcc	gccaacgacc	tgaccgcgct	cgcaccgcaa	300
tacatcaacc	tgcgcgcgcg	gcagatcatc	tgcgcaatcc	tgtcgtggtg	tctcgtcccc	360
tggaagatcc	tcgcgtccgc	gggaagcttc	ctgaacttca	tgtccgcgta	cgctatcttc	420
ctcggccccg	tcggcgcaat	catgctctgg	gaattttggc	ttgtcaagcg	gcggaagtac	480
gataccctgg	cgtctgtatca	gccgtcaaac	ccgacgtatc	ggtattcctc	gtgggggacg	540
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cgcgagagct	tgattgagcg	ggctgtgctg	gcggatgaga	tttacaacag	caggggcacg	780
gtggaggggg	ttgatgcggg	ttcggaggag	gttttggggg	agggcggggg	tcgggaagag	840
aagatgctcg	gtgtgaagaa	cgggatatta	gagaaacgaa	tctga		885

<210> 14931

<211> 1230

<212> DNA

<213> A.fumigatus

<400> 14931

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cgtatgttac	tgacaccacc	agggctatta	aaagggcggg	ttcttccctt	ccaagggtgc	240
tttcatccac	atctctacat	ctccgcatct	cctcagtcctg	actactttca	tagcatctcg	300
ccaaccagcc	agtcgcctcg	ggttgtttct	ctcgaaaaca	tgggtcgtgc	cacccttttc	360
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ccgcaagaca	atgccgtcaa	ccagggtgctt	ctgagcgatt	catatcaaga	ccagtctgtt	480
tcgtcaatat	ccgcagaaga	cgacgcccaa	aacagtgatg	tcatccatat	cggcgaaagc	540
gagacaatgc	gagcaccatc	ttggttcacc	tcaaacactta	tggctcgtcg	tctcctagcc	600
ctgtcaacaa	ctggcaccgt	ctcgaccatc	tttcttgacc	cgtccccggg	caattcccac	660
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ggtctcccg	gcgtcacgct	gattgggtac	gtggagccgt	ttgatacgcc	tctgcacagg	960
gatatagagg	ccgcgctgga	ggagtgttat	ctgagcgtgc	atccggatgc	gagtgcctgg	1020
ttgccgggaa	agcctggggc	gccgcactcg	agctactggg	cgaagatggg	agtggagcaa	1080
gtctattgga	tcggcgggatt	tgggggcttg	cagcagattg	ggtggatgaa	tgtcactgag	1140

tggaagggga tccggcgtgt gcgtagtttg cctgggtgtcg gtgatgggag gggatgggaa 1200
 gatgtgagac ttcctgggga gaaggagtaa 1230

<210> 14932
 <211> 978
 <212> DNA
 <213> A.fumigatus

<400> 14932
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 cgccctacga tgatattctc acgaccccggt ctgcgcatca cccagcccaa gtcggctttc 120
 gcagagggaa atgcccgtcg gaccaacctc gatctcgatc ccgtccctca tcaccgtcga 180
 aaatggggtc cattgagttt tgtcgggtgag atatcaccca tccaatttct gggccttgca 240
 ttgctgactc cgaccatagc gtactggatc tccgacgcct tcaacgccgc aacatggcag 300
 ttcgctagta gcatcattgc ggtcgggctg agctggcgcg agtccctcgc catcgtggcc 360
 atctcattct ttatcatttc ctctcgctatt gcgcgcaatg gtgccgtggg ggccatctac 420
 cacatcccggt tccccgtcat cgcccgcgcg agctggggct tctggggctc ctacgtcgcc 480
 atcatttctc ggggtgatcct ggcgggttttc tggtttgcca tacagaatgt caacggggga 540
 aatgccgtcc ggtgcatgat cggcgccatc tggccgagtt tcttgacgtt gaagaatgac 600
 atccccgagg cccaggggcat cactgactgc gggatgggtg gatacctaatt cttctttctt 660
 gtgcagtctc cgttcctgtg tattcatcca aacaaagtgc ggtggttgtt tgtcgccaaa 720
 tccatcatcg tgcccattgc gtggctggcg attctcgtct gggcgcttcgt ggccgagggc 780
 ggccgagcga tctttgacca gaaacccacg gtttccgggt ccaagtatag ctggctgttc 840
 ctggcgaata tgacgtccgt actggggaac tatgccacgc tcagcgtgaa ccaggtatgt 900
 gatgcatttc tcagaggtaa caccaatatg ctgaccgaca aagtccgact tctctcgata 960
 ctcccgctc agccctaa 978

<210> 14933
 <211> 318
 <212> DNA
 <213> A.fumigatus

<400> 14933
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 tgtttcgggtg caaaaccgaa ggtgaccatc aaagacatgg gcgagtgtcg ttttgtttct 120
 ttccacatca tctccttctt tggattcggc gagcatggaa tcagactgga gaatgctttg 180
 gaatcgacgc acattttttg gaatctccat gatctttgct ctaatgttga cgctgtcatg 240
 ggaaatatcg tctttgatat ccaaaacgac tggcaagcga gcgataccga ttcaattcaa 300
 gacctctatc tcgcttga 318

<210> 14934
 <211> 549
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (8)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14934
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 acggcccca actacttgac cgaaccagaa ctcatcgggc tcattggacgc gaacggaata 180
 gggacggacg ctaccatggc cgaacacatt gccaaaatca aggaacgcga gtatgtcgcc 240
 gttcattcgc gaggaagtgg tcgcaacgct gtgaaggaat tcatcccaac tcgcctaggt 300

attgccttgg	tggaaggcta	tgacaacgtg	gtcgccaatc	taccggataa	accatctctc	360
agcaaaccat	ttctacgtaa	agagatggag	ctccgtatgc	gtgagatctg	cgcaggctcc	420
aaatcgcgcc	aggaggttgt	tcaggagagc	ttggatatgt	accgcgaggt	cttcattcat	480
accagagagc	gtatcgatat	gctgaaggct	gcctgtcgaa	aatacctgat	tgagcaggcc	540
accgtgtga						549

<210> 14935

<211> 201

<212> DNA

<213> A.fumigatus

<400> 14935

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caaacaacca	aaactgaatc	tcagacggca	gaaactaaca	aaacaactca	catgagcatc	120
aaccttagga	ttctccaaac	agacaaaaga	caagtaatcc	agctggcaca	aagagcgaca	180
aatcttctgc	agaaacatta	g				201

<210> 14936

<211> 2709

<212> DNA

<213> A.fumigatus

<400> 14936

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ctccagtctg	attccatgct	cgccgaatcc	aaggaaggag	atgatgtgga	aagaaacaaa	180
acgacactcg	cccatgtctt	tgatggtcac	cttcggtttt	gcaccgaaac	agtgaagagt	240
accctggaag	tgcttaacca	actcagtaga	cgggtggacc	acaaaatcaa	cctacaagaa	300
caaccggtag	acagctacgg	ccacagtcaa	ggagatcaga	agcttataga	tccaactaat	360
gagtttagtc	tgtatcagca	agagcttctc	accaaggaca	ccctggaggt	gacaacatca	420
gccatggaaa	agcgcatctc	cggaacagtg	gacgatcata	ctccagccct	tgacgaggaa	480
gcgaagaagc	ggattggtat	tgagtctgca	cttgcaaata	tctcagccct	tcacgaggaa	540
acaaagaggc	ggattgataa	tatagagtcc	gaacttgcaa	aggttcaaca	atccctgtct	600
gttgggtgctg	ttgatcagga	acagctgaac	gagactgtcg	gtggtctcaa	agcagacatg	660
gggaatctcc	gaacgtcatt	gcaatcactt	tctcgcgaa	gtagtactc	gcaagttggt	720
gtcgatacca	tcgttcacga	gcaactgcaa	agccttgaga	atcgtgtgcg	gtccctcgag	780
cgtgcggctt	cagtgcactcc	actcgacaag	aagcagattg	aacaagaact	tgacgaactc	840
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gaaactggag	gaatgaaaag	ccaactccgc	gggctcgtgg	aagctttgga	cgaagtcaag	1020
cacgctgcca	ttcagtcgaa	gaacaatgac	cctgaacttg	ccaaacaatt	ggaagatatt	1080
gaaagggcga	tcgatgattc	agcaaggaag	gtacaatgct	tcaaaaaaga	tcttgacaca	1140
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<210> 14937

<211> 294

<212> DNA

<213> A.fumigatus

<400> 14937

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gccgtcgtcg	atcttaccat	ctggggactt	cccatgacca	cacctgactc	cgtattcttt	240
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<210> 14938

<211> 831

<212> DNA

<213> A.fumigatus

<400> 14938

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<210> 14939

<211> 285

<212> DNA

<213> A.fumigatus

<400> 14939

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<210> 14940

<211> 1131

<212> DNA

<213> A. fumigatus

<400> 14940

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<210> 14941

<211> 1455

<212> DNA

<213> A. fumigatus

<400> 14941

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<210> 14942

<211> 1326

<212> DNA

<213> A.fumigatus

<400> 14942

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<210> 14943

<211> 225

<212> DNA

<213> A.fumigatus

<400> 14943

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gacaaaatcc	tgtataccct	tgctccgtac	aaggtgcatt	atcaaaacta	taccaacaca	180
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<210> 14944

<211> 273

<212> DNA

<213> A.fumigatus

<400> 14944

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cagctgttgc	gtgataacct	cactctgtgg	acctcttctg	acggcaacga	ggccgagggt	180
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273

<210> 14945

<211> 723

<212> DNA

<213> A.fumigatus

<400> 14945

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<210> 14946

<211> 1191

<212> DNA

<213> A.fumigatus

<400> 14946

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<210> 14947

<211> 447

<212> DNA

<213> A.fumigatus

<400> 14947

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<210> 14948

<211> 660

<212> DNA

<213> A.fumigatus

<400> 14948

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<210> 14949

<211> 1716

<212> DNA

<213> A.fumigatus

<400> 14949

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<210> 14950

<211> 603

<212> DNA

<213> A.fumigatus

<400> 14950

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<210> 14951

<211> 1374

<212> DNA

<213> A.fumigatus

<400> 14951

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<210> 14952

<211> 321

<212> DNA
<213> A.fumigatus

<400> 14952

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<210> 14953

<211> 735

<212> DNA

<213> A.fumigatus

<400> 14953

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<210> 14954

<211> 1257

<212> DNA

<213> A.fumigatus

<400> 14954

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<210> 14955

<211> 3378

<212> DNA

<213> A.fumigatus

<400> 14955

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<210> 14956

<211> 537

<212> DNA

<213> A.fumigatus

<400> 14956

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<210> 14957

<211> 1194

<212> DNA

<213> A.fumigatus

<400> 14957

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<210> 14958

<211> 1059

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1017)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14958

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<210> 14959

<211> 1104

<212> DNA

<213> A.fumigatus

<400> 14959

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<210> 14960

<211> 300

<212> DNA

<213> A.fumigatus

<400> 14960

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ctgcgcaccg	agccctggga	tcctgagctt	atcaaggctc	ataactcaag	caaaccgaag	180
caggttgatc	cgaacaatgg	agacttatac	gtgaagaata	ccatctgttg	ggctcttgaag	240
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<210> 14961

<211> 513

<212> DNA

<213> A.fumigatus

<400> 14961

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gagtatctga	ctgacttatg	catacagttc	ggacagagaa	gcaaatacat	tgccattgta	420
gattgttcaa	tacctactgc	gatatgctta	ctgaatggca	ccatgcaggt	tgcggatgtt	480
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<210> 14962

<211> 2256

<212> DNA

<213> A.fumigatus

<400> 14962

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caaccatctc	ccctccttga	caccgcgcgt	cccttctact	cttcgcgtcac	accgcagtta	180
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gagcagcctc	catcatcgac	accgtcacgg	caggatgggc	aacggtctcc	gactcatccg	2220
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<210> 14963

<211> 1392

<212> DNA

<213> A.fumigatus

<400> 14963

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<210> 14964

<211> 1536

<212> DNA

<213> A.fumigatus

<400> 14964

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accagtggag	aaacagctat	tgcgtatctg	gctccaggg	ctgtcacgct	taaggcatct	360
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<210> 14965

<211> 2028

<212> DNA

<213> A. fumigatus

<400> 14965

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<210> 14966
 <211> 561
 <212> DNA
 <213> A.fumigatus

<400> 14966						
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ccaatcatcc	cgagcgagta	tcaaaaatac	ttggagcaag	ggcttcccg	gccggctctc	180
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<210> 14967
 <211> 468
 <212> DNA
 <213> A.fumigatus

<400> 14967						
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gatgccgaca	agatccttaa	agaatatgag	gaggtaagtt	tctccctctt	gtgctcagac	300
tgggtcttgg	gtcaaagcag	taaaagcagg	aaaactcaca	ccaattgcac	agtcctccc	360
catccgtcaa	tttctcttga	ccaacatagt	tcgcgcggaa	gatggtcaga	agatgaaatt	420
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<210> 14968
 <211> 402
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (369)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14968						
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gaagatggtc	agaagatgaa	attccgtatc	cctttatcgg	tgctgggacc	ggctatttct	180
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ttattcccca atgctgagat agcggatggt gaggcaggtc attggctgat ctgcgcagcac 360
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<210> 14969
 <211> 255
 <212> DNA
 <213> A.fumigatus

<400> 14969
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 aatcatggcc actctttcca tcaccacgaa cataactatt ccgtcatggc caaagacgtg 180
 gagaaattca tccatcagca cgatctggcc aagtgtgtcc tgattggcca ttccatgtat 240
 gtttccattt tctag 255

<210> 14970
 <211> 1353
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1), (2), (8), (10), (11)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 <211> 300
 <212> DNA
 <213> A.fumigatus

<400> 14971

4701

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<210> 14972

<211> 213

<212> DNA

<213> A.fumigatus

<400> 14972

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acgcttgccg	tggatctgaa	cctattccaa	ttcatccgct	cctcccgctc	atggccgaca	180
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<210> 14973

<211> 828

<212> DNA

<213> A.fumigatus

<400> 14973

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<210> 14974

<211> 240

<212> DNA

<213> A.fumigatus

<400> 14974

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aagacaatat	atttcggctg	tctgggtctg	taccagcccg	tcgaagtggg	tttggtatct	180
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<210> 14975

<211> 399

<212> DNA

<213> A.fumigatus

<400> 14975

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<210> 14976

<211> 213

<212> DNA

<213> A.fumigatus

<400> 14976

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<210> 14977

<211> 492

<212> DNA

<213> A.fumigatus

<400> 14977

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<210> 14978

<211> 1698

<212> DNA

<213> A.fumigatus

<400> 14978

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<210> 14979

<211> 312

<212> DNA

<213> A.fumigatus

<400> 14979

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<210> 14980

<211> 201

<212> DNA

<213> A.fumigatus

<400> 14980

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attgccttcg	atgatattac	cacattgaac	ggtatgccta	cggtagcctt	ttatatggtc	180
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<210> 14981

<211> 1014

<212> DNA

<213> A.fumigatus

<400> 14981

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cgcgatgcag	cgcttgggat	ccacaagacg	gtcgatgtgt	cgcagactgt	tgaggatttg	960
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<210> 14982

<211> 960

<212> DNA

<213> A.fumigatus

<400> 14982

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tacaaccggt	acgtggtgtt	ctacgagcgc	aactttgcct	ggatgttgat	gatttttgcc	900
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<210> 14983

<211> 324

<212> DNA

<213> A.fumigatus

<400> 14983

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<210> 14984

<211> 714

<212> DNA

<213> A.fumigatus

<400> 14984

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<210> 14985
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 <212> DNA
 <213> A.fumigatus

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<210> 14986
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 <213> A.fumigatus

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<210> 14987
 <211> 543
 <212> DNA
 <213> A.fumigatus

<400> 14987						
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tga						543

<210> 14988
 <211> 993
 <212> DNA
 <213> A.fumigatus

<400> 14988

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<210> 14989

<211> 318

<212> DNA

<213> A.fumigatus

<400> 14989

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tttccatctt	atTTTTctct	tgctattggc	attatggact	cccccgccgc	ccccgtccct	120
ttcgacccgc	aggagcaacc	gatcctggag	cgtcttctcc	ggaccagaga	tgcactcctg	180
ctgctgaaac	aagacaagtc	gtcctatatc	aaatctcgcg	atgtgctgcc	gctatacgaa	240
gaagtgatct	ccgaggtgga	aaagctcaat	gctgtgcgga	aggaacaaga	ccgccggctg	300
acacacaacc	gacgttag					318

<210> 14990

<211> 204

<212> DNA

<213> A.fumigatus

<400> 14990

ttctctgctg	gtgatattcc	tgtatcttgt	ccccctcttt	tttgtatcaa	cggcttgaaa	60
tatggtggtt	ctcttttctt	cgaggtttgc	gatttttctc	ctgactttag	ttcaggcggt	120
tgtctgggcg	ctttttggga	tgctatgact	ccttttaaca	gaaatgagtt	gtcgccattg	180
tgcaaaactt	atcaaggtag	ctga				204

<210> 14991

<211> 1143

<212> DNA

<213> A.fumigatus

<400> 14991

ctggccccga	aatgcctctc	cccgcaacaa	ttgttcgcac	gacgtggcct	agccactgag	60
gcgtccgctg	cacgcatgcc	gccttatcct	aagatcgtgc	ggaatctcga	gcagggtcgg	120
aaagtgtctg	gatcttcgog	tgcgctcact	ctggcagaga	agatcctcta	cgcccatattg	180
gacaatgcgg	aggagtccct	gttgacgggc	actaacaatg	gaaaagacat	tcgcgggcaag	240
gccaacctga	agttgaagcc	ggaccgagtg	gcgatgcagg	acgcgtcggc	ccagatggcg	300
ctgtttgcagt	tcatgtcctg	tggcctgccc	tcgactgcgg	tgcccgccag	tatccactgc	360
gaccatatga	ttgtgggtga	gcgtggcgcg	gacaccgatc	tgctgcctc	tatcgagggt	420
aaccgggaag	tgtttgactt	ccttgagagc	gccgccaagc	gctacggtat	tgaatttttg	480

ccccccggtg	cgggtatcat	ccaccagagt	gtgctggaga	actacgcggc	ccctggtctg	540
atgatgctgg	gcacggacag	ccacacacct	aatgcgggag	gtttgggagc	tatcgctatc	600
ggtgtcggtg	gtgcagatgc	tgtggatgca	ttggtggatg	ctccttggga	attaaaggcg	660
cctcggatcc	ttggtgtgcg	actggagggt	aggctgagcg	gctggggcctc	tcccaaggat	720
atcatattgc	atctagctgg	taagctcacc	gtccgcgggtg	gtaccggcta	tgtgattgag	780
taccacggac	ccggtgtcga	gacgctcagc	tgcactggta	tggccacctg	ttgcaacatg	840
ggtgcggagg	tcgaacccac	cacctcggtc	ttcccccttct	ccccagtat	gggttcctta	900
cctgcaggcg	acgcaccgtg	gccatgtggc	ccaggcgggc	ggccgagatc	gccgcatctg	960
gccctaagaa	ccttttgcgg	gccgacgatg	gagcagagta	cgaccagctc	atcacaattg	1020
acttgtcaac	gctggaacct	cacgtcaacg	ggcccttcac	tccggatctg	tcggtgcgtc	1080
tatctgactt	tgccaacacc	gtccgcgaga	acaagtggcc	cgagactctg	ggttctggat	1140
tga						1143

<210> 14992

<211> 279

<212> DNA

<213> A.fumigatus

<400> 14992

caaaatactc	ttgttacagg	catcgcgat	cagctcgctc	ccgatgatcc	actcatcaac	60
acggaacaat	gcactcgcga	cgtaaagctc	atggccgaac	tgggggcca	cgccatccgc	120
gtctaccatg	tcgatcccca	tgccaatcac	gacggctgca	tgaagttct	ggcagatgcc	180
ggcatctacc	tgctcgttga	tctcgacact	tttgacacac	agatcgagca	ggtcagttct	240
cattgcagga	tacatattct	tccaccagct	ggtcctga			279

<210> 14993

<211> 1029

<212> DNA

<213> A.fumigatus

<400> 14993

actgacctc	actggaatga	aaccacagat	gaccggttca	agcaggctct	ggacgagttt	60
caaaagtatg	agaatacagc	gggtgtgttc	gttggaatg	aggctcctac	cacaaaggag	120
ggctcagccg	ctgtcccta	tgtgctggct	gcggtctgag	atatcaaagc	gtaccgcgat	180
ggcgagaact	atcgaaacat	tctgtgggt	tactctgcag	cgatatcgc	ggagctgcgt	240
cccatgttgc	agaattttct	ggcctgcgcg	aaaaacccta	gtgatcgctt	agacttcttc	300
gcactaaatg	cctacgagt	gtgtggagat	tccgggtatg	ttcagttctg	ctatagagag	360
cttcagagaa	acgcaagtgg	ctatccgatc	cccatcttct	tctccgagac	tggctgcaac	420
gctgcacggc	ctagaacctt	tgatgaccaa	gcagccattt	tcggtgaaca	tatgtcggat	480
acctggtccg	gctctatggt	ctacgagtgg	atccaggagg	tcaacgacta	cggtttggtc	540
agttatggcc	ctcctgcgcc	gaatgctcct	ccaacagaca	ctcttgttta	tgatggcttc	600
actcgaaaag	gtgttccgac	tcccggtgtc	cctgacttcc	acaacctcaa	gacccaatgg	660
gctacccttt	cacccactgg	cgtcgccttg	tctgactatg	ttcaatccac	ctctactatt	720
agtcccccg	agtgcctgc	ctacacatct	ggggcttggg	aggctcgatcc	cagctctccg	780
ctgcccactc	tgggccagac	gcagacgaac	tctggcccca	cataccagg	cactaatgta	840
agcggttctg	gaaatctgcc	agtcctcagc	gccacagcta	ccaggctcgac	atcctcgacc	900
ccgacacaag	tgtccatag	cgggtgctgc	agtcctctt	ctcttcacag	gatcggtggc	960
tcgaaatata	tcgcgagcgc	atccgtgtcg	gtcgggtttg	tgattggtat	ggttgctgtg	1020
tttctatga						1029

<210> 14994

<211> 1098

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (365)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14994

gaaaacaacc	cggttctcga	ccatgggtcc	aaacaagttc	cgttaccccc	agggtaggag	60
gcaatcccaa	gaccaagaaa	gggttcacgc	ccatgggttat	gcggagattc	gcggccttgg	120
gttttacacg	tccccatct	caaggaatgg	acgcaggcct	ccaacttcaa	ccagtcagggt	180
ttgcaaggaa	cgcaattcga	atgccccaac	ctcgtcaagt	tttcagtcga	cgactgagac	240
gactcagagg	accccaccaa	gtgggtgctc	ttcatttccg	tcaaccctga	agcgccactc	300
gggggctcgg	gaacctacta	tgctgttggg	agcttcaatg	gaaccattt	cacttcggaa	360
agccnccgcg	agaccctcta	tgacttcgcc	aaggacaact	acgcctctca	gtggtactct	420
ggcatccccg	aggacgagcc	cccgggtctcc	atcggttggg	ccagcaactg	gaactacacc	480
cagcagggtgc	ccaccggccc	cctcgaaggc	tggagaagct	ccatgtcgtc	gcccagggtg	540
cacaccctga	ccaagggtcga	cggtctcctgg	gtcgtcacca	aagaaccatt	cgacggattg	600
gactccgtcc	gcgggaagca	actcaagggt	aagcgctcac	ggaacggcga	tgtgaccttt	660
gacttcaaaa	acgtcaaatc	caatgctgtc	gccttcgacg	tcaagatcaa	cgggatcccc	720
tcactctggcg	caacggggcca	ggtctacttc	aacttcacct	cgctgacgtc	gggcgagtac	780
gtcgtatggcg	gtctccgatt	ggacaacggc	ttcttctgga	tcaaccgtgc	gggaacccat	840
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tacgaccacc	acaagttcac	cttctccggg	gtcattgata	gtccctgtct	cgaggtcacc	960
ctgcgcgagg	gtgttcaaac	tggcacaatg	agttttctacc	caaccctacc	gctggatacc	1020
ctgaccgtgt	ccggcagcga	tctgagcaag	aagacttctt	tccgtgctaa	ggcctggggc	1080
ttggagagcg	gctggtaa					1098

<210> 14995

<211> 234

<212> DNA

<213> A.fumigatus

<400> 14995

cctgtctaate	cctgtgactg	cagtggtgca	cccaaggatg	agtccaccat	tgtctccaga	60
atcgtctcag	cagagtactg	gcagcgacaa	tgtcacgcgt	atttcccaga	agtcaacggc	120
tatacgttcg	gtagcgccaa	tggcaagacc	gctgaagacg	tgaataagtg	gaccaagggc	180
tgggacttga	ccaacacaac	acgtctgata	tgggcaaatg	ggttcgttgt	atga	234

<210> 14996

<211> 561

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (376)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 14996

cccccaagta	agaaaacaac	ccggttctcg	accatgggtc	caaacaagtt	ccgttacccc	60
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cgcggccttg	ggttttacac	gtcccccatc	tcaaggaatg	gacgcaggcc	tccaacttca	180
accagtcagg	tttgcaagga	acgcaattcg	aatgccccaa	cctcgtcaag	ttttcagtcg	240
acgactgcca	cgactcagag	gaccccacca	agtgggtgct	cttcatttcc	gtcaaccctg	300
aagcgccact	cgggggctcg	ggaacctact	atgtcgttgg	aagcttcaat	ggaacccatt	360
tcacttcgga	aagccnccgc	gagaccctct	atgacttcgc	caaggacaac	tacgcctctc	420
agtggtagctc	tggcatcccc	gaggacgagc	ccccgggtctc	catcgggtgg	gccagcaact	480
ggaactacac	ccagcagggtg	cccaccgggc	ccctcgaagg	ctggagaagc	tccatgtcgc	540

tgcccaaagt gcacaccctg a

561

<210> 14997

<211> 186

<212> DNA

<213> A.fumigatus

<400> 14997

ccagtcggac	tccgacatgc	aggtcagtac	ggctcttagaa	aactggagca	aggctctcaac	60
ttagatactg	tccgagaaatc	cattccactg	tctcagatcc	tgcaggatga	gaagggactc	120
gtcaaggttt	acagctatat	aaatccttct	agaacatggc	tttttactac	cttaaatgaa	180
aattga						186

<210> 14998

<211> 222

<212> DNA

<213> A.fumigatus

<400> 14998

tggcaatatt	tccgtccccgt	tgtccgagggg	atgcccaaga	actgcagcaa	ggatctcaac	60
cgcgtgggtg	agtatatgtg	ccacgtctat	gagtcggggg	atatcgagcg	ccagcaggaa	120
atcaaagaga	tgttcggggt	gggagctctc	aagcattttg	acgattttgc	agcgtatgtt	180
gcgttcgcct	tctttgaaaag	gcggatcatg	ccttggtact	aa		222

<210> 14999

<211> 1500

<212> DNA

<213> A.fumigatus

<400> 14999

cgtcatcggg	cgatcagaac	tctttacaat	tgtgcttgct	acgcagtcaa	accagccgca	60
atgtctgaat	ccccgaagtc	cgagaagtat	atgtgcctga	ctcgggttcag	cacgccagtt	120
cccgaattag	atgatcatcg	atttcaactt	gattccccac	ctcgaatcga	agctaccgct	180
gatattttctc	tgagtcggca	aaacactgct	cagcatgcct	accatcaaga	gacgcctcag	240
cgtcccgaatt	tgtcttcaat	tcaagatgcg	cttcgggaag	cgggatcgct	ttcccgggat	300
tttgagcaag	ctatactgga	tgatgatcga	tcaggcaaaag	atatcaatac	tctcggccgt	360
cgcttctccg	ttgacccaaa	cgtaaatgtc	cgccatggtc	gtacgtggag	ccgaacccat	420
caggaaacttg	cgaatatgtc	acgggaatca	tctccctcag	caaggtcata	gtcgcctcca	480
aattcgggtg	aagccttcgc	agacccccgc	cgccgcgagc	gtgcgaatac	actggagagc	540
catgcggccc	cagatctcga	ggccattctg	cagcgcacag	tgtccgggtg	tactcatccc	600
cgccgcgccga	ccttttagtaa	cgcaagtgtc	atcagaccgc	aaccaggtga	tatccagcta	660
gaaccaaagc	acgagagttg	cgtaccgacg	tatgagcaac	ctggcaggat	cccgggtgatc	720
gactacgaag	aattggagga	atttgtggct	ttgagccggc	aaatgaagcc	ctcaacttcc	780
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ccagggcttc	ggaagtctga	tgttgaaggc	gagaagcggt	cttcgagtg	tgatcgctct	900
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gatgaaaaag	acatagtggg	aaagcttcag	aatgagaacg	agccgacccg	cttcggcttt	1020
ttctcatccg	agtcccagag	cactgtgcat	gcggcggaag	tgggggacct	tgtgctccct	1080
ggtgatactt	tccgggatct	ctttcaactt	ggcccgggaag	gaagtgtgtg	gtgggtggac	1140
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tattacttga	tctgcttccg	gacattctat	cagctcgaca	agacagacga	acgcttcacg	1320
gaacccttca	acttctacat	ggttggtttc	cgcgacgggg	tcctctcatt	ctcattcacc	1380
gagaaatcac	acgcggcaaa	tgtcaggaaa	aaaatgggga	agcttctctga	ttatgtgtcc	1440
ctcaataatg	actggatctg	ttatgccatg	aatgtaagtc	acaaaggcct	tgattttctaa	1500

<210> 15000
 <211> 606
 <212> DNA
 <213> A.fumigatus

<400> 15000
 aagagtcact tctccccagg tgggtacatc tataattgct gctcagtatc aagagatacc 60
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 ctttctaata agaccgttga tctggcaata tttgacgtcc ctgatactgc gatgtctgtc 180
 tcttccttca ttatcagaac gccctgttca tccggccaata tccggccctgg gtccgatgtc 240
 atcggcctag cattgtctct tcacctcgaa ctacatgtca ccattgactc ttccaagtca 300
 tcgtccgagc atcccttgaa ttgtgtgatt acctatgaag atcagagcaa gactactgag 360
 aagattagcc tggacccgga gggttaacctg atcaccctgt tagctctgta cgtacttaga 420
 tgccatgacc aaagggcatt tctgtttgag acccgagtc atattgtaaa tcccatcct 480
 ctgggtcggg gtcttgggtc gtccggcaca gcggtgggtg ctggcgtgat gttgggaaat 540
 gaagtaggtc gtcttgggtt gagcaaggac agactactgg attattgctt gatgattggt 600
 aggtaa 606

<210> 15001
 <211> 435
 <212> DNA
 <213> A.fumigatus

<400> 15001
 atatggcttg aatttcacat caaacatata atgtttggcc ttcctactga taactatctg 60
 tattcttttag agaggcaccg ggataatgtc gctgcctcgc tctttggagg ctttgcgggt 120
 acctatctga atgagctgaa acctgaggat gtagcccgca aggagatccc gctcagtcaa 180
 gttctccctg ccccggcagg tggcattgac acaggcagga ggcccccgga gcctcctctg 240
 ggcatcggcc attatcgaaa gtttcaatgg gccaaaggaaa tcaaggccat cgcaattatc 300
 cccgactttg tggtgccac tgccaatgca cgaaacgtcc tacctaccac gtacacgaga 360
 gcagacgtcg taagtccac acatctcaat catccgcata acgaaccgtt tgcgatgcgc 420
 ttctcgtctg tctaa 435

<210> 15002
 <211> 291
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (102), (172), (253)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15002
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 ccagatatga tttacctggc aatgcaggac aaagtccatc ancccatacc ggaagacact 120
 tatcccaggc ttgaaagaga atccttcaat ccaatgaacc catctacca anccggggct 180
 aatttgggga tttgttcaat cccgggcca gaaccaacca tttttggttc caaccaatg 240
 aataggttcg aanaaaatcc ccggaccccc tccctgttct ccatttgggc t 291

<210> 15003
 <211> 801
 <212> DNA
 <213> A.fumigatus

<400> 15003

cctgcttggg	aatgcttaca	actcccacat	ctgatttgtg	ccattgcctc	gttttctgtc	60
gagaatttctg	cgtctctgca	gccttggatt	gctctaacac	gatgcttgaa	aattcagggg	120
aaatcgctag	cattgccata	cgctcgtgca	gtccacgaga	tgggtcccaac	cacacccctc	180
cgcaatgacc	tgaacattcg	accccacgag	tccattaacg	atctccccgt	ccaccgcctc	240
accgatcccc	agatcttcta	ccccgtctcc	gagtccccgg	aattcaccgg	tgttgacgcc	300
ggtcgcgtgt	tctccgcgcg	ccccgccttg	ccacacaaag	aagccgagcg	cgccgtggcc	360
caccccgacg	aggtataaag	caagatcacg	caggacccag	cccgcatatga	gcgcgtcggt	420
aagggcgacg	acgagcagca	ggctctccag	cccgcgagcg	tgcgcacccc	gcacccgcac	480
ctggtttccc	acgagcgcca	ggatgaagtcg	aaccccaacg	agttccgcga	gaacatgaag	540
ctctaccgcg	agcggctcca	gcaggaggag	gcgatcgagc	aggaacgcaa	gagactcgcc	600
aaggagcgcg	ccgagcagcg	gcttggtccgc	gtgcagccctg	agggctcgcg	gttcgagttc	660
cgcacaaagg	atgtcggtgt	cagtcgcgag	acgacgggca	cggatggctg	tggtgcccgag	720
gcgcccggtc	ggagatacgg	tgtgcctaca	tacgaccgca	agaagggaca	gatcaagatc	780
cctactcgcg	tggaggtcta	a				801

<210> 15004

<211> 420

<212> DNA

<213> A.fumigatus

<400> 15004

agacaattga	aacaacacac	gccagggcga	acgaattaca	ttactcgcct	caagggcaat	60
gccggtaatc	ggccctttcc	tctgaacctt	aatttcgtca	gtgagcccat	actcagcgag	120
gagctgcgca	atgagatcca	ccggcgcggt	gtggacaaaa	agcagagtgt	gcgtgcagtc	180
agtgtcgacc	tccgtgtgga	tatgcgcaga	gtagcagccg	tggttcgatt	agtagaatta	240
gagaagcgat	ggaaacaaca	ggtatgcatg	ttttcatttc	tttctgctct	gtttcagatc	300
tgccggctat	ttcctgtgtt	acgatggcat	tgtacaatga	tgagaacaac	aaaaatttcg	360
attagtcttt	atgagcccga	gcttaacctg	cttgggaatg	cttacaactc	ccacatctga	420

<210> 15005

<211> 750

<212> DNA

<213> A.fumigatus

<400> 15005

gagaacattg	gattcaccgg	aatcaaaatc	cgcatttgtc	tggaggagggt	tcccaccgac	60
cagttttacgc	ccgagcggat	attgagtcct	gaggaaccgt	taggcgtgggt	ccttgacact	120
tattttcctg	gtggtcagac	gggtggacgaa	gcgttgggtca	tagatatccc	tcaacggcgg	180
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tccggctcat	ctacgagtgt	gaacgcccac	catacggggc	cctcaatctc	tattctcacc	360
acgggtatgg	cgctccgct	accctcacca	ggcaatagag	cgaaccgaca	ttcccgcggg	420
ccaccactca	ctcgacatac	tactaactca	cccacaatgc	ttggcacagc	gccaaatcca	480
aaaggatatgc	gcggactctc	actgttattc	ttcgtgccgt	taagagccca	ttccttactg	540
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ccctacgcca	cctggctctc	ctcccagatc	gccccagacc	aagacgcaca	cgccgccagc	660
gcgtgttgcc	tcgcccgcgc	ctcgtcccac	gaaaccgaag	aaggccggca	acggccaatc	720
gccaaacgct	gcctttgggtg	gccttattga				750

<210> 15006

<211> 717

<212> DNA

<213> A.fumigatus

<400> 15006

ctagatgtag	actcgaatat	ggcctcgtgt	cctcagcctc	ccgtagcagc	gccccaggtc	60
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cctacgccac ctggctctcc tcccagatcg ccccagacca agacgcacac gccgccagcg 120
cgtgttgccct cgcgcgcgcc tctgtcccacg aaaccgaaga aggccggcaa cggccaatcg 180
ccaaacgctg cctttgggtg ctttattgaa ggcacggtag ctcccatcaa tgtcctcatc 240
gtcgaagaca atatcatcaa ccagaagctc ctggaagcct tcatgaaacg cctcagcgtc 300
cgttggaagt gcgctgcgaa cgggtgaagag gcggtgagga aatggcgcgga ggggtgggttt 360
cacttggtcc tgatggacat ccaactcccc gtcatgaacg ggtagatgc gaccaaggag 420
atccggagac ttgagcgccct aaacgggatac ggtgtcttca ccaagacggc ctcgggacga 480
tcgagtgccca gttctttgtc gccggagggtt aaccaagcat catcggaggt ttcgctgtct 540
gaggaggata ctcttcatga cttgtctctg ttcaagagtc ccgttatcat tgcgctctg 600
accgccagta gtttgcagag cgatcggcat gaggctcttg ctgccggctg caatgacttt 660
ctgaccaagg tatgtcatte cgacgctaca tgcattctgg tccgggtgga tggctga 717

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<210> 15007

<211> 441

<212> DNA

<213> A.fumigatus

<400> 15007

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cccaccgatg gaggtttcac cagccctctg caggcgggcg ctaatgggtg gtccagtaaa 180
acctcgacct ccccgctcatc tgcagcagtc aacgcgacgg cccgggctgt tgccacaggc 240
cctggtgcgg gtaaacgcaa atcaaccgtt cccgaattga ccaagcccggt ggatattcct 300
cctgaggaaac ctcccgggaag tggtagtggg gagggcaacg agactctaaa ttcaccagcc 360
agccctctta cctccgtgca tgtgggtgac ccaactgagc ctcttgggtga cgaggagcag 420
caagctctgg atgctacgta g 441

```

<210> 15008

<211> 381

<212> DNA

<213> A.fumigatus

<400> 15008

```

catcctatgg agatgcacac ttttctcttt tccccgaaa aagtcttcat aaaggcattg 60
ggatactcgg aggatgctct ctcccgcggc atcattggca tcatcaatac tttttccggg 120
ttcaaccctt gccatgcgaa tgtacccag ctgactgagg ctgctaagcg cggtatccag 180
ctcaatgggg gcctggcgat agaatttcat actatcagta tacatgagtc attctatcat 240
ccgaccagca tgttcctgcg caatttgatg agcatggata cggaggaaat gattcgagcc 300
cagccgctgg atgcgtgtat catgattgga ggtccgttta tacgcttccc tattcttgca 360
aagccagcac cccagacata g 381

```

<210> 15009

<211> 576

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (533), (537), (539)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15009

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tcgtacagga aggccctctt cgtgcgaaa ctgacagcat ccagtgagct cacagtcaag 60
atcgtcaaca tcgaagacat gacgaaagtc aagtacctcc gagagcaagc caaaggcacg 120
aagcacgttt ccttcgatcc aaacggacga tacatagccg tctcgtgtac tgacggtctt 180
ctctacattt attcgacttt cttggaggag ccagaattag tacggaagtt ggacggcgtc 240

```

atccgacgac	ttgaagcgga	ggacgaggca	acggcaaaga	tcgcctggca	ccctgatggc	300
acagcatttg	cagctgccga	agtgaccaga	gacatcggaa	tctatactgt	atctgaatgg	360
aagaaggaaa	aggtcttctc	gggtgggtcac	aacggagata	ttacatcggt	cagctgggtca	420
ccaaatgggg	ctcttcttgc	cacagctggg	gccgacggca	agattttaat	ctgggaaacc	480
aaaacgcagc	aagtgtctga	ccgttacgac	tttctctacg	ttggccgtcc	ctntttncnc	540
tcggagcagg	gcgggggccga	aattatgcc	tgggga			576

<210> 15010

<211> 795

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (93), (94), (138), (183)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15010

tgctgggggt	atgctggcgc	tactgcacac	tcttcgtccc	cttctgcacc	tctcaaccct	60
ggacgatctc	tgggccagac	tttgggcgag	ttnttgacg	catctccatt	tcgcacattc	120
ccactttcgc	agcaggtnat	cagaacacta	tccaatccac	tttacctttc	atcttctctc	180
gtngtcctca	aagtaaacad	cgcaccggac	ggcgcgatca	taaaagcgtc	cgctccaaa	240
gatcgcaggc	tccttaccac	cacaggacca	gctgtcgttt	tcgaaaatcc	agaagatctg	300
gcaaaaagga	ttgatgaccc	agacctagac	gtgactaaag	actcgggtgct	tgtgttgaag	360
gggatagggtc	ctattggcaa	tcccggcatg	ccagaagctg	gtctgattcc	tataccgcgc	420
aagcttgctt	ctgcaggcat	caaggatatg	ctgcgtctct	cggacggaag	gatgtcagga	480
acagcggggc	gcactattgt	cctccatatt	tcgccagaat	cagccttacc	agagtcacca	540
ttcgggggtg	tcgagactgg	cgatatgac	acttgcaatg	ctgatagcgg	gaagctcaac	600
ctggaaat	ccgacgaaga	actcaaattc	cgtgtagaga	cgaggaagaa	agaagcggat	660
gcagccacag	cttgcttgca	cagagcacgg	agcagaggct	atcgagggtt	gtatgaacgg	720
tcagtcaatc	aggctcaaga	cggagccgat	tttgacttcc	taacagccgt	tgggccatca	780
gatatcagta	aatga					795

<210> 15011

<211> 873

<212> DNA

<213> A.fumigatus

<400> 15011

aggaagggtta	ttcggccac	acaccaggca	ttcgtctctt	gggatgaagg	aatgaccct	60
ggtgtcaagt	ttcgtgatct	tgacgatgta	tcagagtcga	tgaagcaacg	catccggaag	120
ttcaaagaac	tgggactttc	gccaagggtc	agcgccctg	gtcatttgtc	tcttttttgg	180
gccctgaacg	ccaactcacc	caacgttggt	ttctggaata	ttcttcgcat	ctactctgac	240
cctgctcttc	tggaggaagt	acgaaaggag	attgctccct	ttgttaagggt	ctatagaccc	300
agtcgcgagg	agactgggct	cccattccag	gaaccctca	aggtctccct	tgatccggat	360
gagttgtttc	gatcttgtcc	actgctcaaa	gccagcttct	atgagactat	gcggttagat	420
tcagcaggac	tttcttttcg	tgaagtcacc	tctgacttga	ctgtaactga	gtctcctgag	480
gatgctgcag	ctgccagctt	ggccgaacca	cgcacttacc	gaattaaaaa	aggaggaaac	540
atagtcatgg	cgcacgggat	ggtccaaaga	gaccctcggc	tcttctctaa	cccagaacag	600
ttcgatccgc	tccgggttgt	tgtcacagat	ccagacacag	gcgcacgaaa	ggcggacatg	660
cacacaat	atccattcgg	ggcggcggtt	tcgggctgca	agggccgcgc	tctcgctgaa	720
aggatgaact	tactgttcac	tgctgcaatc	atttcaacgt	gggatatcga	accggcaagt	780
ggcaaagctt	tgacagttcc	aggacatagg	ccttccagt	gggcgtat	gcctaaggat	840
gacattagag	tacgcttgag	aatgcgcgta	tag			873

<210> 15012

<211> 297
 <212> DNA
 <213> A.fumigatus

<400> 15012
 tcatgtctga ctgagctagg ttgtgacaaa accgttcccc cacaacttat ggggtggtatc 60
 tcggccaata agccagtctt gccgcttgta acaggaccga tgatgccggg aagctaccgc 120
 gggcagagaa taggtgcgtg tactgactgc cgcaacaact gggcggcttt ccgtgcagga 180
 gacatagaca tagaggagat ttccggtatc aatgacgagc tggcaccgac ggtttgtctc 240
 tactgtctaca gcgattccca attgtcggca atacatcacg ctgactcagg cttctaa 297

<210> 15013
 <211> 591
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (488), (489), (533), (578)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15013
 atcgggacct gcggtgtgat gggaactgcc agtacgatgg cttgtgtcac cgctgctcta 60
 gggctgatgc ccctgcgcgg tgcttctgcg cccgcagtct cgtctgccag ggtcaggatc 120
 gcagaagaga caggagccaa tgctgtggcc ggggcaatag ctaagaggag accgcaagat 180
 attctttcga aagagtcgtt tttgaatgct atcacagttc ttcaagcgat cgggggatcg 240
 acaaatgccg tcgtccatct aatggctatt gttaatcggc atcccaagct ccagggagct 300
 ataacattag atacttttgc ggagattggg cggagcactc ctttgcctgat tgatttgaag 360
 cccaccggtg acaactatat gaatgatttc cataatgctg ggggtatgct ggcgctactg 420
 cacactcttc gtcccttctt gcacctctca accctggacg atctctgggc cagactttgg 480
 gcgagttntt ggacgcctct ccatttcgca cattcccaact ttgcgagcag gtnatcagaa 540
 cactatccaa tccactttac ctttcatctt ctctcgtngt cctcaaagta a 591

<210> 15014
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 15014
 ctgctgatag attatagtct ctgctcgggg aatgtcctgc ctggctcgtcc tgcctcgtta 60
 tcgactgaaa acagcaaaag caagtataat ttacgtatgt atttgctgtc cttttctaata 120
 ttcaattgca gaacaggagt cttccacgct ctcgctcatg aggcgatcaa tgatcctgat 180
 agcgtcaata tcggcacaac tccgtga 207

<210> 15015
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 15015
 ggagcctgcg agaatcccag gtcctcaggt gcgcacgatg gcatcgacta ctctgcgtgc 60
 tgtgacgcat cgcttgacga ccacgcctgt cgatcaattg cctcagatcg catcattcct 120
 agcaacatca ttgaccgatt gcggggagct cctgtctgcg acacagaatc agaagtcggg 180
 caagtctga 189

<210> 15016

<211> 927
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222>
 (761), (762), (763), (764), (768), (786), (787), (795), (811), (813), (815), (816), (818), (819), (820), (823), (826), (827), (828), (829), (871), (903), (904), (905)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15016

gtcggtcgtc	gacaggcctg	gtcaatcgct	aatctcttat	ttgcgcagaa	accggatcct	60
atctccacga	agaaaatgtg	tataatcaca	ttgacacgga	tctttcatct	tacctaccaa	120
tacccacttc	tcgttcggga	aatcacgacg	ccgtcactac	caggattcat	cacttcgtcg	180
ttgaatctca	tctccgtcaa	gccggcttcc	gagcctatta	gaaaattaaa	gccaacacg	240
ccgttcttgg	agattgtcct	gagcgctttc	ttggagctca	tcgcaagaca	cccaacgata	300
ttccgcccg	tttctgcgca	gattcacagt	atcctccagg	aaatcattgg	tgcaaccgct	360
ccgacgtttc	ccggcgcaac	cgtggaccta	gcgagcag	tggtcatcgc	gctccacaac	420
tgtgctccga	agaacacatc	cgcagaggaa	tggaagaacg	cctgccggtt	gacaatctct	480
tcagcgca	gggcccggga	ctatgttttg	agagggtag	tagagcagtg	ggagtctgtc	540
gatgctacct	tgagacaagg	tgctcagccg	caggattaca	gccaggtggt	ggctgatgct	600
gggccagatg	cgctaggact	tcccggctgg	gagggcattc	atgctggagt	ggaaagactg	660
acggtactct	tacgcttgct	agcccgat	ctgacagtac	cgacggcgct	ggcggtgaca	720
attccactgg	gcttgatttt	ggatctgaca	tcacgacttt	nnnnnggngg	gggggggggg	780
gggggnnggg	ggggnggggg	gggggggggg	ngngnnngnn	ggngggnngg	gggggggggg	840
gggggggggg	gggggggggg	gggggggggg	nggggggggg	gggggggggg	gggggggggg	900
ggnnnggggg	gggggggggg	gggggggg				927

<210> 15017
 <211> 384
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222>
 (24), (25), (26), (58), (100), (101), (102), (103), (106), (109), (110), (111), (113), (114), (116), (118), (134), (142), (143), (161), (165), (166), (167), (168)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15017

cccccccccc	cccccccccc	cccnncccc	cccccccccc	cccccccccc	ccccccncc	60
cccccccccc	cccccccccc	cccccccccc	cccccccccc	nnncnccnn	nnnnnccncc	120
cccccccccc	cccncccccc	cnnccccccc	cccccccccc	ncccnnnnaa	agtctgatg	180
tcagatccaa	aatcaagccc	agtgggaattg	tcaccgccga	cgccgtcggt	actgtcagaa	240
atcgggctag	caagcgtaag	agtaccgtca	gtctttccac	tccagcatga	atgccctccc	300
agccgggaag	tcttagcgca	tctggcccag	catcagccac	cacctggctg	taatcctgcg	360
gctgagcacc	ttgtctcaag	gtag				384

<210> 15018
 <211> 927
 <212> DNA
 <213> A.fumigatus

<220>

<221> unsure

<222> (819)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15018

attcttttacc	gcgccgctac	aaagacctac	cactcttact	tgattctccg	tcgcctattc	60
cacgtccatt	cagctctggc	agattttgat	ctcgctgtca	aagcactcga	ttcgtaacatt	120
gagattgtcc	ttggggccaa	agcaagggcg	gagaaagcag	cacagtacgg	cgaactagaa	180
agcgacgaga	atttgctcca	gacgcttgcc	gaaggagtaa	ctatgcttgt	gtgttttggc	240
tcagataagg	aggctgaaaa	agcgaaggac	ttggttgcca	tcttgaaaaa	gttcgctcgt	300
aagcacgtgc	aagagattga	agacgacggg	gaggaagcaa	agctcgtcac	ccggcaagat	360
tcggatgatt	ctcaggtggg	gtctcctcgt	gtcatcgcca	ctgcttacag	agcaatcggg	420
acagggtctg	ccaactgggc	gagttggacg	cctagaaatg	aagaccggga	tgacatccgt	480
gcggaggcca	tcgagaatct	agagagaagc	atcgctccag	aacttggcga	tgagttcaat	540
tactcatctt	tgtatactct	cgcccttttg	ctcgcggaac	gccgagacct	ggatgggtgcc	600
atcgattatc	tcaagtcggc	tctgtcctac	acgcaaacac	acggcccaca	gtccgatctt	660
tccagagaac	gagacctagt	gccgctctgg	catttactcg	cgctcttgct	aagtgcacaa	720
caagactacg	atatcgctga	gcgctcttgc	gaagctgcat	tcgaacaatt	tcccagcgcc	780
gtcgtatcat	tggtgaatgg	gagcagaggg	tcacaaaanc	caaggacaga	tcccgtatac	840
ccccccaaga	ctacggaatt	aggcccaccc	ttggatcaac	cacctgcgtg	ggccaaaaaa	900
gggacccctc	ctctcaaaac	cccctga				927

<210> 15019

<211> 432

<212> DNA

<213> A.fumigatus

<400> 15019

cctctacct	ccccggcttc	cgcatctcgc	aacaagccgg	cggcaccaac	aaggaagaca	60
tggtcgtcga	attcaacatc	accgctggca	gctggggctg	ctcgctcttc	tcctctcttc	120
cccgcggcca	cgccggtcac	cacctccgga	gccgcgcgcg	ccgtcgagat	tttcgccgtg	180
aacggccccc	tcagccggtc	tcgcgacggc	atcgacgtgt	cctggggcgt	ctgtccggca	240
cccggggcgc	tggtcgggag	taccgccttt	gagtcggatc	ccaacgaggc	gcggacgcgg	300
ttcgtgaata	gtttctcgtg	cacggataag	atgacgtatc	gggtgagcat	tgccctcgtg	360
tacaagcagg	cggcgagtg	ggagtttgcg	caggggcccgg	gggttggtct	gaggatgact	420
cacaactgtt	aa					432

<210> 15020

<211> 522

<212> DNA

<213> A.fumigatus

<400> 15020

cggaggattc	aaatggagga	tttgatctat	tccatgtctc	tgatatataga	aacactctcg	60
gcaatcaaac	accctcact	tcaccatccc	aaactctcgg	catcgtataa	cccatcagcc	120
tcgcaccgga	cactaggaac	gaatacagagc	ttagttcgac	tagccacgga	ctacatatat	180
aagcccatca	tccccgcaa	cacgatcatt	tctctgggat	tcctccgtgc	ccccaaagca	240
agccgcaaaa	tgccctctt	caacgccacc	tcccaccaac	tcaccgactt	cgtcgagacc	300
atcccgccct	acgccatcct	ctcccaccga	tggcaggaca	aggaggctct	cttccaagac	360
atcgtgtcgg	gcacggcacg	cacaaaaaag	gggtacgaga	aaatcacgca	atgctgcgca	420
caggccctcc	gcgacaatct	gggttatatc	tggttcgata	cgtgctgcat	cgaccaagac	480
cagcagcgcg	aagttctcgg	aggcgctgaa	ctcgatgtat	ga		522

<210> 15021

<211> 1599

<212> DNA

<213> A.fumigatus

<400> 15021

gtggatttca	gaacgcggga	ggtgtggtac	gcttatctgt	gcgacgtgga	tgtggctgat	60
acgtcggacg	gcgaagtgcc	gtcggaaagga	ggaagaagca	gtggcggggg	gttcggaggc	120
agtgtctggg	tcacgcgcgg	ctggacgctg	caggagctcc	ttgcgccggc	gcgggtcgaa	180
ttcttcaatg	cggattggca	cccgtcggc	gccaaggcgg	agctgaagag	catcatcgct	240
gggattaccg	gcatccccga	ggcgggtgctg	gacgggacgc	gccggccaca	agagctgagc	300
gtcgcgcagc	ggatgtcgtg	ggcgtcgcag	cgggtgacga	ccaaagtcga	ggatatggcg	360
tatagcctgc	tcggcctgtt	cgagatcaac	atgccgatgc	tgtacgggga	gggcaagcgg	420
gcgtttatcc	ggctgcagga	ggagattatg	aggcagtcgg	atgaccagac	gctgtttgcg	480
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ctgctggcgc	agtcgcgggc	ggactttcga	gacagcggcg	agttcgtgca	gtcgcagcaa	600
aggttcaacc	ggagtccgtt	ctccgtgacg	aacatgggga	tcagtattga	gctggctgtg	660
gtgcactgga	cgatggacag	gtacctcgcg	gtgctggact	gcgagatgca	gagcaagaag	720
agccgggtgg	ggatcttcct	cgcgccgctg	ccggaaaaca	accaatatgc	gagggtgatg	780
ggcgtctggg	accacctgcc	gacattgccg	gccgacgtga	agtccgagta	tcgcaagggtg	840
tacgtgagac	agagaatcgc	agggacccca	aggcccccg	agcgcatgta	cgggttctgg	900
ctgcggcagt	ttcccccggt	ttggaagggc	cctcactcgc	aattcgaggt	gacggcgtac	960
cacccttggg	acgaaacaga	gcgcaagctc	tgcattccgc	cggggaaaacg	gggcaccggg	1020
ggaatcatca	gatacttcat	gcgccaggac	ccggtcgtga	acctgcgcgt	cggattccac	1080
gccctgtcga	accccggggt	cccatttggg	ggctttttta	tgcccgcgcg	ttgggttccg	1140
agcgcgccga	tcccatgcct	ttcgaagcgc	agatggcggc	cgaatggatg	gacaaacggg	1200
gggagtgcgt	tttcatcgga	gacaggaaac	cacggcctca	acgtgaacga	cgggatgatc	1260
cgcattctgg	tcttggaaga	ggctgtccag	ggacagccaa	tgtgggtggg	ctacatcgcg	1320
gagccggaaa	acggagcctg	gcacaaagac	tgcgtctcgc	acggatgcca	gctgacgggtg	1380
tttgggacgc	gatatcgatg	ccagtcattg	cctggatttg	actactgttc	cgactgcttc	1440
ccgaacgcga	agcacacgca	ccccggccat	gaattcctcg	aggacaagcc	tgtttggcat	1500
gctggagtgt	actgcgactg	gtgtgctgag	gtgagtatgc	tgttttcctt	gtcttctgcg	1560
ttggctgact	ccacagggga	tatatggccc	gcggtataa			1599

<210> 15022

<211> 585

<212> DNA

<213> A.fumigatus

<400> 15022

ccacggacta	catatataag	cccatcatcc	cccgaacac	gatcatttct	ctgggattcc	60
tccgtgcccc	caagcgaagc	cgcaaaatgc	gcctcttcaa	cgccacctcc	caccaactca	120
ccgacttcgt	cgagaccatc	ccgccttacg	ccatcctctc	ccaccgatgg	caggacaagg	180
aggctcctct	ccaagacatc	gtgtcgggca	cggcacgcac	caaaaagggg	tacgagaaaa	240
tcacgcaatg	ctgcgcacag	gccctccgcg	acaatctggg	gtatatctgg	gtcgatacgt	300
gctgcacgca	ccaagaccag	cagcgcgaag	ttctcggagg	cgctgaactc	gatgtatgag	360
tggatttcag	aacgcgggag	gtgtggttac	cttatctgtg	cgacgtggat	gtggctgata	420
cgtcggacgg	cgaagtgccg	tcggaaggag	gaagaagcag	tggcgggggg	ttcggaggca	480
gtgtctggtt	cacgcgcggc	tggacgctgc	aggagctcct	tgcgccggcg	cgggtcgaa	540
tcttcaatgc	ggattggcac	ccgctcggcg	ccaaggcgga	gctga		585

<210> 15023

<211> 471

<212> DNA

<213> A.fumigatus

<400> 15023

cgcatcaaca	ttccgcgcgt	acataccatc	agaacttcaa	tatcacacat	tttcaaagca	60
acaagctaca	ccatgcgcgt	cctcacatcc	atccccccc	tcgtctcct	cctccctctc	120

atccacgccc	tccccagccc	caccagctgc	accaccgtca	ccccggacat	cgccccgctc	180
tctgaagcgg	accagtagc	ctcctacctc	cccggcttcc	gcattctcgca	acaagccggc	240
ggcacciaaca	aggaagacat	gttcgtcgaa	ttcaacatca	ccgctggcag	ctggggctgc	300
tgcgtcttct	cccttcttcc	ccgcccgcac	gccggtcacc	acctccggag	ccgcccgcgc	360
cgtcgagatt	ttcgccgtga	acggcccccct	cagccggtct	ccgcacggca	tcgacgtgtc	420
ctggggcgta	tgteccggcac	ccggggcgct	ggtcgggagt	accgcctttg	a	471

<210> 15024

<211> 519

<212> DNA

<213> A.fumigatus

<400> 15024

acagcacctg	cagaatgtca	ggatcatcat	gcgctcattg	acactcgcat	ctcaacaccg	60
ctttatctgc	atctttttca	cctgagatct	gtcactttca	cccctgacaa	cttacagcga	120
gacacatcga	agatggggta	tgtgaacaaa	caccatacac	atcatgatgt	actgacaagc	180
aacagataca	cccactacta	caccgtcgac	aacacgtcca	gccgcgaatg	gcaaaccggc	240
tggccgcagc	tcgtcgagga	cgcgcaaaaa	aacatcgaca	gcgccagtat	ccctattggc	300
ggtcctgact	tcgacgcggg	cccacccatc	atcgacgtaa	agcagggaat	acacctcaac	360
ggggtcggag	acgacgggac	cgagcctctc	tgtttggacc	gacacggcaa	cgccggattt	420
tcgttcatca	agacggctcg	gaagccatat	gacgaggtgg	ttgcgtgtat	cttgctccgg	480
gcggctgtgc	tggtcccgac	ctgtgtttgc	ttgaggtga			519

<210> 15025

<211> 1575

<212> DNA

<213> A.fumigatus

<400> 15025

aaacgcactc	ccccggtttg	tccatccatt	cggccgccat	ctgcgcttcg	aaaggcatgg	60
gatcggcgcg	ctcggaaccc	aagcgtcggg	cataaaaaag	ccaccaaatg	ggaccccggg	120
gttcagcagg	gcgtggaatc	cgacgcgcag	gttcacgacc	gggtcctggc	gcattgaagta	180
tctgatgatt	ccccgggtgc	cccggtttcc	cggcgggatg	cagagcttgc	gctctgtttc	240
gtcccagggg	tggtagcccg	tcacctcgaa	ttgcgagtga	gggccccttc	aaaccggggg	300
aaactgccgc	agccagaacc	cgtacatgcg	ctccgggggg	cttgggggtcc	ctgcgattct	360
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ccccaccggg	ctcttcttgc	tctgcatctc	gcagtcacgc	accgcgaggt	acctgtccat	540
cgtccagtcg	accacagcca	gtcaataact	gatccccatg	ttcgtcacgg	agaacggact	600
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ctgcgccagc	agcccatggg	aggtcgtctc	agcatccggc	ggcgacgaac	tcgaacccga	720
cgacctcgtc	cacgcaaaca	gcgtctggtc	atccgactgc	ctcataatct	cctcctgcag	780
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gaaccagaca	ctgcctccga	accccccgcc	actgcttctt	cctccttccg	acggcacttc	1140
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tctgaatacc	actcatacat	cgagttcagc	gcctccgaga	acttcgcgct	gctggtcttg	1260
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gcattgcgtg	attttctctg	accccttttt	ggtgcgtgcc	gtgcccgaca	cgatgtcttg	1380
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gacgaagtcg	gtgagttggg	gggaggtggc	gttgaaagag	cgcatttttg	ggcttcgctt	1500
gggggcacgg	aggaatccca	gagaaatgat	cgtgttgccg	gggatgatgg	gcttatatat	1560
gtagtcctg	gctag					1575

<210> 15026
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 15026
 acccactcgg atttctcggc ctgggtctata cgctatacat tggccgttgc gtatttttacg 60
 atcaccctca tcttccattc tttccgttac atcaagggtca aagggttcac actggcggtt 120
 tgtctccttt gtattctcgg agttctcacg gggtcacgcc attcgcatta ctatgttcga 180
 tcatccacac tgctgcataa tgcatag 207

<210> 15027
 <211> 642
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (404)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15027
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 ggggggggaa aaaaaaacct ctctcttttc cccccaaaa aacccccctt taaaaaattt 120
 tttttttttt cccccccccc cttttttttt tttttggggg gttttttttt tccccctttt 180
 tttttgggaa aaaattttta aaattttccc cccccccccc cttttggggg ggaaaaattt 240
 ttttccccgg ggccccaaaa attgggtttt tggggccctt tcccccccca agggggccca 300
 aaaaaaaccc cccccccccc ccaaaggggg cccttttttg ggtttttggg ggggggcccc 360
 ccaaattttt tttttttttt ttttttttcc ccaaacccaa attnccctaa acccactcgg 420
 atttctcggc ctgggtctata cgctatacat tggccgttgc gtatttttac atcaccctca 480
 tcttccattc tttccgttac atcaagggtca aagggttcac actggcggtt tgtctccttt 540
 gtattctcgg agttctcacg gggtcacgcc attcgcatta ctatgttcga tcatccacac 600
 tgctgcataa tgcataggag gggagccgga caatatatat aa 642

<210> 15028
 <211> 348
 <212> DNA
 <213> A.fumigatus

<400> 15028
 accagtaatt ccaagtcaga gcgaaaccaa gagcatcgtc aacgaagcgc ctgcaccagt 60
 cgtcagcgat accctcacc cttccatgaa cgaactactt accctgcgaa agtacagAAC 120
 gaacccgcaa tgggaataaa cgccgccatc tccccaggc ttaacatcgt gacgaacaca 180
 atcccaccac atatggcata cgaaataagc atcgacgcag gccacactgt cgcgagagct 240
 ttgcctgttc ccaggaagag tcccgtccca attgtgccgc cgtatggcgat catctgcacc 300
 tggcggggcg agagcttacg agcgagcctg tcggcggtga catgttga 348

<210> 15029
 <211> 270
 <212> DNA
 <213> A.fumigatus

<400> 15029
 ggtgagggta tcgctgacga ctgggtgcagg cgcttcgttg acgatgctct tggtttcgct 60
 ctgacttgga attactgggt taatgacgct gtctcaacgg cggcggtatgt cattgcactg 120


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caactattgc tgcagtattg gacggataac ttcccaggct gggcgatcag cttaatcttt 180
ctgatttttg ttattttact taatgtgatg tctgtgagaa tctacggaga ggtatgggtca 240
tggtgcgctt tttgcaggga agttaactaa 270

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<210> 15030
<211> 504
<212> DNA
<213> A.fumigatus

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<400> 15030
gcaagcccta acagtgaaac cagcatcgtc ggcgtctcca accaaatctc gtgggtctgc 60
atcggcatcg cctccctgcg cttccgcgcc gccatccgcc ggcagaacct cgagcatctc 120
ctccccttca agaactggac gtaccccgtc ggcccatca tcgccgtcgg gctgaatatc 180
gtcctgatcc tcgtgcaggg ctggctcctgc ttcagcccgct ccttccaggc cgtcgacttt 240
gtgtcgttct acatcgagat ccctatcatg attgtcatgt ttttggcctg gaagctggtt 300
aagcagacga ggttcgtgca tctggatgag atggacttgg ttactgatcg gtatgatctg 360
aatgcgagac atgctgaaag cgatggcaat gccgatgggt atagcccgtc gcgggtcggg 420
aggattctgc atatcaaaca gttgcagagt gaaaagggcg tgctcgggaa gctgaagcga 480
gttgggatgt ggctgttcct atag 504

```

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<210> 15031
<211> 516
<212> DNA
<213> A.fumigatus

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<220>
<221> unsure
<222> (112)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 15031
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ggccaatgta tagcgtatag accaggccga gaaatccgag tgggtttaag gnaatttggg 120
tttggggaaa aaaaaaaaaa aaaaaaaaaa tttggggggc cccccccca aaacccaaa 180
aagggccccc tttggggggg gggggggggt ttttttgggc ccccttgggg ggggaaaggg 240
ccccaaaaac ccaatttttg gggccccggg gaaaaaaatt tttcccccc aaaagggggg 300
ggggggggaa aattttttaa attttttccc aaaaaaaaag ggggaaaaaa aaaaccccc 360
aaaaaaaaaa aaaagggggg gggggaaaaa aaaaaaaatt ttttaaaagg gggttttttt 420
ggggggaaaa gagagaggtt tttttttccc ccccccccg cgggggggcc caaaaagggg 480
gggggaaaaa atttttgggg gggggggggg ggtttt 516

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<210> 15032
<211> 198
<212> DNA
<213> A.fumigatus

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<220>
<221> unsure
<222> (28)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 15032
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accgaggcga acgacagaga ggaagcagag ctttgggtaca agaagagcaa gaagtccagc 120
gaccaagcag cccacactcc tcgtcaaatt caaacctgg aggatctgga atcgctcgcc 180
actggtttgc ttgggttag 198

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<210> 15033
 <211> 438
 <212> DNA
 <213> A.fumigatus

<400> 15033
 atccccaagc gaggttcttg agcttggcag cggctctggtg aggggctgaa gcgcttctta 60
 gcagagctgt cttctctctg catgatcgaa gcaaagatga cagttcatga tattgaaaaa 120
 tatccccctc atgctcccca agagcctctg agcggaaagg ccgcaggcgc tgagcccttt 180
 gaattcaatc aacatgtcaa cgcgcacagg ctgcgtcgta agctctccgc ccgccagggtg 240
 cagatgatcg ccacgcggcg cacaattggg acgggactct tcctgggaac aggcaaagct 300
 ctgcgcacag gtgggcctgc gtcgatgctt atttcgtatg ccatatgtgg tgggattgtg 360
 ttcgtcacga tgttaagcct gggggagatg ggggcgttta ttcccattgc gggttcgttc 420
 tgtactttcg cagggtaa 438

<210> 15034
 <211> 504
 <212> DNA
 <213> A.fumigatus

<400> 15034
 cataaggaat gcagaacaga gctgacttca tccagtggcg gcacggaatc cattgccatc 60
 acagcgggag aaaccaaaga cccagctaaa aacctgccgc gagtcgtccg caatgtcttc 120
 tggcgcacgc tcctcttcta catcatctcc atcattctca tcggtctcaa tgttccctac 180
 aactacccca acctgtcaaa gaaaaccacc gccaccagcc cgttcaccat cgtcttcacg 240
 gaagctggca gcgcggtggc aggcagcttc atcaacgcgc tgctaataac cagcgtcatc 300
 tccgccgcca accatgccct ctccgcaggg tcccggcttc tctacacgct cgcggtagac 360
 ggccacgccc ctcatctctt tggccacctc aaccgcttcc agatccccctg ggtcgccgtg 420
 ttagccacat ccctcgtcag cggctctctg atcggagcca gctacatcgg agccggccag 480
 ctctggacct ggttgcaaaa gtaa 504

<210> 15035
 <211> 300
 <212> DNA
 <213> A.fumigatus

<400> 15035
 tatattttcc ttcttctgcc tttctctctc tctctctctt tctctcttcc ggtatctctt 60
 atccctacaa gtcacatcta tttcttttgt ttccagtta cgttgactga ctgcgcgggc 120
 atcgaagaaa ttagtgcgat cctacgaagc cgttctcttt tcgacgaaga aagcaatata 180
 ctacctagta tctactccct caatcaaaca actcacactc gaaaccccaa gaatatacca 240
 tcaatatgcc cagacaaccc tcattggact cggagcgacc tatcattgcc aaatctgtaa 300

<210> 15036
 <211> 585
 <212> DNA
 <213> A.fumigatus

<400> 15036
 ctgactcgcg cggcatcgaa gaaattagtg cgatcctacg aagccgttct cttttcgacg 60
 aagaaagcaa tacactacct agtatctact ccctcaatca aacaactcac actcgaaacc 120
 ccaagaatat accatcaata tgcccagaca accctcattg gactcggagc gacctatcat 180
 tgccaaatct gtaagtctct tttacccttt tccacttctg cgtgttgat cgctcgcca 240
 gagtcgtcta acccagcaca gaatcgacg tccaaaagat tttcgaccgt aagcggtagc 300
 ccatcacttg caccatcaga gcagaccatc ggaagcctac ctagtggatga tcccagactg 360

gctgagttca	accacctgcg	cgatggcctc	gagcgtctag	agaacaaacc	ccttctgaag	420
caacgtttcg	tccctacacc	agagaaaagc	gacaacctca	gtaagctggc	ccttggtgca	480
aaagtggaac	gcgactggg	acggcgaatg	actagtcaag	atgccgtcat	gcggaagccc	540
gttctagatg	agaaggtcgc	tacttcggag	acctccgcag	cttaa		585

<210> 15037

<211> 288

<212> DNA

<213> A.fumigatus

<400> 15037

agtagattct	gcccataagc	tttttttagt	ttttactttc	ttggggactg	ccccattaac	60
tatactcgcc	tagaggacta	ctcaccgtcg	atttgctgcg	gaggtcgtct	gcctatattg	120
tctccactt	ccctgcactc	gtcagcaaac	aagaccttcg	accacttaat	tattatgggt	180
gtgctacggc	ttagagtcca	tggtcagacg	ttcagggacc	ctgacaaccg	tgaaatcact	240
ttgagaggca	tcaatgtagc	cggtgaggcc	aaatatccca	agaaaccc		288

<210> 15038

<211> 468

<212> DNA

<213> A.fumigatus

<400> 15038

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gataaattaa	acaaaaatga	agaatcggag	cgcgcatatc	gcgcagcaac	ccgtgcaaaa	120
tccgacgaca	agacagcgtg	gcagggattg	atcaatcttt	acgagaagca	gggaggcttt	180
aagctagatg	cttatcatga	ggcagctctg	agactcgggc	aaatattcgc	cgaagtgtac	240
gtctcgtgtt	cgacgctgta	taaacgaaga	acaggtgcta	atctgatcct	agcgacgaca	300
agcaccgttg	ccaggatgtc	gtggacaaat	atatcaagtt	cgcaaagaaa	cagggcactc	360
gatcacaata	taagaaggct	cttgaactac	acctcccaac	gagtcgcgtt	tatgtctacc	420
tcgaaggacg	gataccacat	ccttcccata	catacctccg	tctcatag		468

<210> 15039

<211> 207

<212> DNA

<213> A.fumigatus

<400> 15039

gaggegcacca	catccaaagc	tgccattatg	gcaggacaac	gaagtgagct	gtccagcatg	60
tcaacaaaat	cggctctgaa	ggcagcgcg	attgcgctag	actccaggga	tttcgaagat	120
gctgccgaaa	aagccaaagt	ggtggtgaag	caagagcctc	aaaactatca	tgcgatatgtg	180
aagacgaagc	ttgctaattc	gacttag				207

<210> 15040

<211> 2028

<212> DNA

<213> A.fumigatus

<400> 15040

tctgatacta	gcgacgacaa	gcaccgttgc	caggatgtcg	tggaacaaata	tatcaagttc	60
gcaaagaaac	agggcactcg	atcacaaat	aagaaggctc	ttgaactaca	cctcccaacg	120
agtccgcttt	atgtctacct	cgaaggacgg	ataccacatc	cttcccatac	atacctccgt	180
ctcatagaaa	tggcagaatc	cgaagaaaaag	gagtttatta	acagggagat	tggaagagcga	240
aggacccggc	tcggtgagag	aatcgatcat	gtaacaatgg	aagtgaaaag	agaggctttc	300
aaacgtgggg	agcttgagca	gctataccgt	gggatcgctg	attggaccca	tgatgatcaa	360
gttcgacgca	cctacgaaga	aaggcttctc	cagcgaacat	atgatatact	gattgttctc	420

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ccgccagccg agaaggccga aaagcgtgct gaggtcttgc aagctgctcg cgacatggtc 480
atcatcaaac accctttcga gctggcctgg aagattgtac ttgagtggca agacattcaa 540
agcttctcag agtgggatct aaatttcttg aaggacttca tcgaattttt cccggaagat 600
ggacttacga agattctgaa aggtctctta gccagtgacc tctccccgtt ttcgaaggag 660
acgaaggaga cgaaggaacc tacaccaact gaggaagaga ccgagaacgg aaacggcgat 720
aatcacgagc tggctgtaca ggatcgcttg ttaatgatgg tgggaaggcct tgaatcatct 780
cgctcctcta tcgttgcaaa ccgtatcatg ggtgagcttt atttgtcgct ggaagaatac 840
gacagtgttg tggatgttgc acggaagggg ctctcaataa ttacagatct cgccaggctg 900
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gaagattatg ctgaagctgt caacttcttg gaacgtgctc tagagcggga cccgtctaac 1140
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ctgcatggtc ttcaggatgt gctcgccgag ttacaagaca tggagtgcgc aaatcgcgaa 1260
tttaagagtg agatccctta ccgtataggt tattgtcaat gggagctcga tccatcgcca 1320
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aaaacacgag cccgtagggtg ctccacaaag gcgttcgaat tatccgcgtc cgaaatcgaa 1500
gctgctgaac ggctcgcgag gaccttcgag gacaaaagg aatgggacct tgttgaagcc 1560
gtggctcagc gcgtcgctga ttcgggcaaa gacaaaagg aatgggacct tgttgaagcc 1620
ggctatagct ggcatatgc cgctttgggt actgttcaaa tgaacaagca gcagtatgct 1680
caaagcatcg tctcgcttca agcagctctg agaatctcac caggcgacta tcaactcttg 1740
gttgcccttg gaaaaagcta ccaccactct gggagatata ttgcgtctgc gaaagctttc 1800
gatcatgctc agcaattaga atcagctctt tcatccgatg aaagagagca tatctgggtc 1860
gcaagataca tgctcgcgaa tgtgaaacgg gagctcggtg aatttaaaga tgccatctca 1920
cgctatgagg atgttttgaa gttccgaccg aatgagctcg gggtgactat agctttgctt 1980
cagacactta tagaagtctt caccacgggg ctggaaggag ccgcgcca 2028

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<210> 15041

<211> 348

<212> DNA

<213> A.fumigatus

<400> 15041

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gatatcctgg tcgcactggg cattgtcgaa ctgccggtgc gtctcttcgg aatcgaagct 60
gcaggcatcg tcacacgcgt gggcgagat gtacgcccgc acgacctcca ggtaggtgat 120
cgggtggttt gcttctgcag gaaagacgcc ttttccacat atacaaccac gttggctgct 180
gtctgcgtgc ggattccgga cagcctcacc ttcgatcaag ctggaacgat gcttataaccg 240
tatttcaccg cgattcactc catggtcaac gttggacgag tcacaaaagg ccaggtaagt 300
ggcaagaaga cccgatgtta ttgcataagg tggcagtgca tttactga 348

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<210> 15042

<211> 1236

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (956)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15042

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gagaactacc acatcccgcg acacaagatc ttccactctc gcgaccggtc gtttgtggat 180
ggtgtcatgc gagaaacgaa aggccgtggc atggacttca tcctcaactc cctctctggc 240

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gagctcttgc	acgccacatg	gagctgcgtt	gcagagtttg	gaactttact	cgagatcggc	300
aaacgcgacc	tgattggaga	cggcaaaactc	gacatgaggc	cgttcctggc	gaaccggaac	360
tattgctgtg	tcgacatcga	cgggctctgg	aagagaatcc	atgtcgctag	agctttgatc	420
ttctcgatct	tggactttcta	cgacaaagga	tacatcacc	cgctgccgat	gacaatcttc	480
cctgccactc	aaacccaaga	tgcattccga	ttcatggaga	agggacagca	catcgccgc	540
gtgggcgtct	cgttcaagcc	agccgacggg	ggacccagc	tgggcttggg	aaccaccaag	600
agagccctga	cgattgcctt	caacgggtcc	gcctcatacc	tcattggtcgg	tggccttggg	660
gggatcggtc	gtgccgtatc	cacctggatg	gtcgatcacg	gcgcccgcga	gctcgtctac	720
ctgtcccgcg	gcgctggccg	cacgcccaga	gatgacgact	tcgtcaccga	gctccagagc	780
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gccattgccg	cggcaacgta	tcccctcaag	gggattgtac	agatgtccat	ggtggtcgcc	900
aacgagaact	tcactcgcat	gagcttcgcc	gagtgacggg	cgctgactgc	acccanagtg	960
cagggaaactg	ggaacctgca	cgatgcctct	gtggccgcgg	gtttcaatct	ggattttcttc	1020
gtgatgttca	cctcggtatc	gggcatcggt	ggaaaagccg	ggctaaccga	ctattgcctt	1080
gggaacctct	tcctccgacg	cgtttcgccc	attccggata	cgcccggtt	tcccccccc	1140
cgtgggttga	tttggggaac	ggtcgacgaa	gttgggatgg	attccggaac	cctcgcgcct	1200
gattggggat	atattccgaa	ccggtttcca	accttt			1236

<210> 15043

<211> 3291

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (16)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15043

gggctgatac	ttccancgcg	gctgacgaca	agagacggcg	aggattacca	gtccttgatc	60
aacgaggaag	tggtcgggag	agaaccatcg	gcgctcttct	tctccagtgt	gaccgggcag	120
gtcctcggcc	cggaccacag	tacctggtcc	aaatattggc	aggagaatct	ggaatcgctc	180
gtccgggttc	gcgaggctgt	cacggccatt	ttgaaacacg	acgtgggaaa	aaatgctgtg	240
ttccttgagg	ttgggcccga	cggggtcttc	gcagggtcgt	tgagacagat	cttcaactcag	300
gctacttcgt	cagctcccta	tgtgtcggtc	atggcgcgca	accaggactg	caatgcgtcg	360
ttcctcggcg	ccattggagc	acttcaactca	ctcaatgttg	atgtcaacct	ggaggccctc	420
tttcccacgg	ggtgtcgctc	gccggatctt	ccccggtaac	cgtggaatca	cgaagggagc	480
tactgggtacg	aatctcgtct	cagcaaggag	tggcgcaacc	gcagattccc	ataccatgat	540
ctccttggtg	ctcgggtggc	cgagagcagt	gacgggtgagc	ctgcctggcg	caacatgttc	600
cacgtcacca	acacgccgtg	gatgcgtgac	cacagggttg	gcgagcacat	cgtcttcccg	660
ttctgtgggt	acattgcctt	ggcaggcgag	gccatcagac	aattgaccaa	tgtcgaggag	720
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gccttcagat  tgccgtcgac  atggacaggt  ctcgatcacg  aggcaatctc  ggatcgaatc  1680
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<210> 15044

<211> 615

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (520), (521)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15044

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gacggtgtcg  ccgggcttcg  gctgtccgat  ctgatcatg  ccaaagtagg  ccgtcaaccc  420
cgtcatgccc  agcaccgaca  tggcatcgg  ggggctgcag  ccgggaagga  acggccactt  480
ctggggctcc  ttggggccca  gcagacaata  ttcctgccan  nccggagtac  gcgacgaccc  540
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<210> 15045

<211> 852

<212> DNA

<213> A.fumigatus

<220>
 <221> unsure
 <222> (113), (272)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 accgaccgt ttactggaca tgcgtcccag tcagccggac cgcatacctc caacgtcgcc 180
 aacactatag atccccgcgt cgatagcgac ttgaacaacc gcgcccagta cggccccggc 240
 acggccgcct cgggcaatgt ccaccacgc gntacacaga gctacaacaa cccgaacagc 300
 tccaacgcgg gtccctcacag ctccctcagtc atgaacaagc ttgatccccg tgctcgacagc 360
 cagaccggta acacaaccac caagacgacc aacgagacgg gtacaggcgc ctcccgcaat 420
 cctaccgata cctctggagc aggtgcgggt gtcaggcagg gtcctcaac cacctccgtc 480
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 cccgcgactg ggtccggata cgcgacggcg ggcggagtgg gccaccagcc cggccccgga 600
 tccagcagct acgataagca ggactaccga gctgaatatg ctcccagcac agaaaacaag 660
 cactatactg cggacgcaca gggccgatca gcagccaagg gcgaggagat tggccggggg 720
 gtgaaatcag ccattgctgg catccacgta agtcgatcgg ctacgttctt tgatccgcgg 780
 agacgagtac taaccagggc tttaacaggg tgctggggag tcgttgcggg gggcaatgac 840
 tgcagctgtt ga 852

<210> 15046
 <211> 333
 <212> DNA
 <213> A.fumigatus

<400> 15046
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 atgcctatct caaacgcaca gctcatctac gccaacacgc cgtccccggc catcgacccc 180
 tccttgacca atggaacctt caagctcaac acgacctccc tccccgacca gatccccaat 240
 gacaaagtcc tcgtgcgcgt gcaactacct tcgctcgacc cggggccatgc gccagtggct 300
 cacagcaaaa cggctgtaca ttgctacccg tga 333

<210> 15047
 <211> 597
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (65), (66)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15047
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 cccggctgca gccccaccga tgccatgtcg gtgctgggca tgacgggggt gacggcctac 180
 tttggcatga tcgagatcgg acagccgaag cccggcgaca ccgtcgttgt gtctggtgcg 240
 gccggcgaga ccggcatggt cgcggggcag atcgccaagg tcaagggagc caagcgggtt 300
 gtcggcattg cgggcagtgc tgacaagtgc gagttcctgg tcaaggagct tgggttcgat 360
 gcggcgatca actacaagga taagggctgg aagaagcagt tgaaggaggc gacgccggag 420
 tatatcgatg tatattttga caacgtcgga ggagaaatcc tcgatgcttg cctggcgagg 480
 gccagaaaag actctcggtt cgtgatctgc ggtgcgatca gccagtacaa ctcgccaag 540

ccccaggggc ctgcaagctt catgaacgtc attgtaagtg tcctgctagg catgtga

597

<210> 15048

<211> 270

<212> DNA

<213> A.fumigatus

<400> 15048

tcgatcgctg	acagtgtatt	gcagtcgcaa	cggatcacaa	tgaaagggtt	catcgtgttc	60
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aagatcaagc	gcaaggagca	tatcatccga	gggggactgg	aggcggcgcc	tcagggccta	180
gtgagtcttt	acgaagggtg	caacaccggc	aagatgatgg	ttgagggtgg	acctgttagc	240
gaggctattg	gagccaaggc	caagctgtaa				270

<210> 15049

<211> 552

<212> DNA

<213> A.fumigatus

<400> 15049

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cgcgcaccaa	ttcatcttcc	tcgtcctcgc	cttccaactc	ctcaccagcc	atgccttcca	120
tctcctcggc	cgagaattcc	ctctctccct	cctccaactc	caggtctaga	cgtcgatggg	180
ccatttcata	gctctgggtc	acgtcctcct	cttctcacc	cacatcttct	tcttcttcat	240
catcttggtc	gtcctcatcc	atcatctgcc	cccgtctggc	gccagagact	ccccgcccga	300
aaagagaaaa	cagcgcgcct	tgcgcagcag	caccaggggtg	ggtgggagcg	gccgcagaca	360
tctcgacagg	cccagatgaa	ggatgcaatt	gcgggatatt	cgggatattc	cgcgacgggg	420
gcgtctggaa	ttgtgtttga	gcagatccat	ggcccagtcg	cgatctgctt	gtttgttgct	480
gtgggggttc	gtcggagttt	gtttctggaa	ctggcgcggg	gtgtcttcgg	aggtgatggc	540
gaggcattgt	ga					552

<210> 15050

<211> 285

<212> DNA

<213> A.fumigatus

<400> 15050

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caacttcact	cgtctgcaat	tgtccttcag	tttccccagc	ttcagttatt	ttcttctgac	180
tgtatattca	caatgccgtc	atataacatt	gtcgttttctg	ctggggacca	ctgtggtccg	240
gaggtaagtt	cgggggtccac	agcaggcata	tcttgtgtcg	gatag		285

<210> 15051

<211> 771

<212> DNA

<213> A.fumigatus

<400> 15051

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gccgttcggc	ccggaaaagg	ccttcttcgt	ttggcccagg	aggaggggaa	aattggatac	180
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gtctgcccgc	gcgtcgactt	caacattatc	cgcgaaactga	ccggtggcat	ctacttcggc	300
gaccgcaagg	aggacgacgg	cagcggcttc	gccatggaca	cggagccgta	ctcccgcgcg	360
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cccgtgtgga gcttggacaa ggccaacgct ctcgcgacga gccggctgtg gcggaagacc	480
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tccgcgccca tgatcatggt caaggagcct agaaagctta acggtattgt tgtcactagc	600
aacctgttcg gtgacatcat cagtgatgaa gccagcgcta tccctggttc tctgggactc	660
ttgcccagcg caagcttgag cggcattcct gacggaaaga ccaagggtcaa tggatatctat	720
gagcctattc acggtacggt ttctccttgt tgtctacagc ttgcgatctg a	771

<210> 15052

<211> 258

<212> DNA

<213> A.fumigatus

<400> 15052

gtgtgcgctg acgtaaaaac aggtttctgcc cctgacattg ccggcaaggg catcgttaac	60
cccgtcgccg ccattctctc tgtcgccatg atgatgcagt actccctgaa ccgtatggat	120
gacgccaggg ccacgcgagc ggccgtccgc aatgtgatcg aggccggtat ccgcactgcc	180
gatattggcg gcaagtcgac aactagcgag gtcgggtgac ctggtgctgc cgagctggag	240
aagctgttga agcaatag	258

<210> 15053

<211> 207

<212> DNA

<213> A.fumigatus

<400> 15053

cacccctgc agagaggaga agaaatgggt ggcttccaat tgggtagctc catcgtgctt	60
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cgtgaaggag gatggaactg gaccattgag aaaggtcagc ggatcaaaat gggccagaag	180
ttaggttacg tggatattca ggaatag	207

<210> 15054

<211> 678

<212> DNA

<213> A.fumigatus

<400> 15054

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aaacgcaaaa ctacgcaga ctatctcgac ttcccgcaaa gtctcacaat gctcggccat	180
cacctccgaa gacacccgc gccagttcca gaaacaaact ccgacgaacc cccacagcaa	240
caaacaagca gatcgcgact gggccatgga tctgtctaaa cacaattcca gacgcccccg	300
tgcggaata tccgaatat cccgcaattg catccttcat ctgggcctgt cgagatgtct	360
gcgccgctc ccacccaccc tgggtgctgct gcgcaaggcg cgctgttttc tcttttcggg	420
cggggagtct ctggccgcca gcgggggcag atgatggatg aggacgacca agatgatgaa	480
gaagaagaag atgtgggtga ggaagaggag gacgtagacc agagctatga aatggaccat	540
cgacgtctag acctggagtt ggaggaggga gagagggaat tctcgccga ggagatggaa	600
ggcatggctg gtgaggagtt ggaaggcgag gacgaggaag atgaattgat gcgcgatcgg	660
ggtaaagctgg cacaataa	678

<210> 15055

<211> 894

<212> DNA

<213> A.fumigatus

<400> 15055

caattgctca tctactccgc agacaggctg cctcaccgc taccaagcaa cctccgtgaa	60
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<210> 15056

<211> 537

<212> DNA

<213> A.fumigatus

<400> 15056

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tcgagtcata tctactttta atttgctcaa gtcattctcc attggacatc acatgggacg 180
gaaattgctc gtgcgacgag gaaaccccc cagaaaaact tgcttttaca tatccactat 240
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atggcggcga cggggttaac gatgcccttg ccggcaatgt caggggcaga acctgttttt 480
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<210> 15057

<211> 426

<212> DNA

<213> A.fumigatus

<400> 15057

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aagtag 426

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<210> 15058

<211> 243

<212> DNA

<213> A.fumigatus

<400> 15058

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gccgggtgtg agaagggaga gttcactcag cccaagggtg agtcactact tccgcgcatg 180
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tga

243

<210> 15059

<211> 240

<212> DNA

<213> A.fumigatus

<400> 15059

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ggcaccacca	ccaaaaaagc	tgctggaaga	cccaaggcca	acaccgcca	acctcgcaag	180
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<210> 15060

<211> 192

<212> DNA

<213> A.fumigatus

<400> 15060

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gctaagcccg	ctgagaaggc	cgccaagaaa	aaggccacaa	cgaccaagaa	ggctgagaag	180
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<210> 15061

<211> 978

<212> DNA

<213> A.fumigatus

<400> 15061

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gttgcggtc	gcaggaaagt	cggtcccat	gggcagtcag	cgccaatct	caatccgctg	180
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agtggcgatc	cccgttaa					978

<210> 15062

<211> 1134

<212> DNA

<213> A.fumigatus

<400> 15062

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cgggatgttc	tcgagagaac	ttccggtaag	tttggaccag	gcaagcgaaa	attctcaact	180
aaaacatcga	tttcagggttc	gcgaggtatc	tccctttata	aagcagtgtc	cacaatctat	240
atcgagaaga	aactcgtccc	agggatcgga	gaattcagtc	acgtcctcct	cattcacgct	300
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cccaccgcaa	agaagcaaac	ccttgatacc	gctatcccgt	cgggggtctgt	gtggctacca	420
ggcatccctt	cgtactcaaa	atggcgcaac	agcgcgtgtg	attgcctgga	tattttgcat	480
tggacggcga	acagcacgat	cgccaaagca	gcgggacttg	agcatccac	cgtactacac	540
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tcgttagcaa	tgggcaagat	tcgctggagc	gatcatcaac	aagccctgga	gtggcattac	660
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acaacattgt	ggcacgtaag	gcgggtattcg	acgaatgcgt	tccacgagcc	ggtcgctgta	780
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gaccggccat	gtgatgacga	gctagtccaa	ctctttgtcc	gcgagggtca	tgctatgcaa	960
ggaaacgtca	caggcgctcg	ggacatatgt	gctcctcatg	gtcctgagcg	catttttgaa	1020
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<210> 15063

<211> 225

<212> DNA

<213> A.fumigatus

<400> 15063

cattacatca	cctgcgttta	ctgtccagaa	gagtggcata	attcagataa	cattgtattc	60
gacagaacct	atagccatca	ggcactatat	acattattga	ccccctataa	agttatcacc	120
aactcccagt	cgtcccccaa	atcgaaatac	gagtttcgtg	gtgtatgtca	taatatcagt	180
ttctcggagc	ctgtggctgc	gaggatagct	ccgcgagctt	cgtaa		225

<210> 15064

<211> 294

<212> DNA

<213> A.fumigatus

<400> 15064

tttaaatatt	tagtcatgcc	ttttaggcta	actaatgtac	tagccatctt	ccaggcttat	60
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cttatctact	tcagacaga	agaggaatat	aagcagtata	ttaaggagggt	tctccagtgt	180
cttaatagcg	caaacctgta	tgctaaacta	ttaaaatata	agttttataa	gatagaagtt	240
aagttttctca	gctttcttat	aggccaggaa	gggggtctggg	tagatcctat	ataa	294

<210> 15065

<211> 591

<212> DNA

<213> A.fumigatus

<400> 15065

cgggtagaag	caaatggccc	ttccctaccg	aacataaaat	cgggcgggatt	tcggttggtt	60
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gctgtctcgg	atgccgtgca	tgaggctccg	gtatatgttg	ccgcacagaa	caagctctac	180
ttgtcccaat	tagcacctcc	agcaggctat	ctccgcagc	ttgttgctga	cttgaaccaa	240
gatccgccta	cgctatcaga	atttctctcc	gacctcccg	tctacgcgcc	caatgggggt	300
acattctaca	atggcagggt	gatctgggga	gcctctggcg	gtaaccgggtc	gatcgggtggc	360
actgagcagc	ggcctggatt	gagaacgctc	gaccctgaaa	ccaacaaaag	cgtcattctg	420
ctcaacaact	attatggtta	ttacttcaat	acggtcgacg	atctcgagct	gcacggcaaa	480
acgggcgaca	tttggttcac	agaccgcgct	atgtctcctt	tttgtcttcc	gatttgcttg	540

ctgcgaaatc attggactga tgccttaacc agaatactca tggttcaata a

591

<210> 15066

<211> 192

<212> DNA

<213> A.fumigatus

<400> 15066

tactggacgc aggatctatg gtctccgcct cttatcttaa cacttaccgc aacaggacag	60
ctcttagggc tattatcaaa gggctctaac ggcctatgtg attgtgggga attcaaaacc	120
actaagcctg aaatggcaag caactttcaa agctctactt catacgtatg gaccagacca	180
ttcgaggtat ag	192

<210> 15067

<211> 246

<212> DNA

<213> A.fumigatus

<400> 15067

ccagaatact catggttcaa taagctcact gatacaccac ctcagcttcc atctgctaca	60
tacagataca accctaaatc tggcgccgtt tttgtggttg atgacagcct tagtcagccc	120
aatggcatcg cattcaatcc ggattactcg attgtgtaca tcagcgacac tggcgccagt	180
agtgggccgg tcgatcccaa attcggccac ccgggaacac cttttaatgc cacaggcccc	240
aggtaa	246

<210> 15068

<211> 366

<212> DNA

<213> A.fumigatus

<400> 15068

gagctcaaag ggacaaggaa ctatagggtg gactcactaa tgaagggtgca ccatgactat	60
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gtttatctgt ctgctggata tgttccagac ggtctcaagg ttgctgcaa tgggtacatt	180
gtgaccggca atggacgggg cgttgacgtt ctgacccctc atggccagct tttgttgacc	240
atacaaaacca attataccgt gcagaacttc gcatggactg gcccaaaact gaagacactc	300
tggttgatgg ggtctggggg tatttccaag gtcgaatggg atcttgccagg ccaggagcta	360
aagtag	366

<210> 15069

<211> 276

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (268)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15069

aaagacatcc tgtcccgctt tgtcgataag atcaacttat cctacagaac tagggccaaa	60
gggggagaga ggacaggaaa gaaaagtttc atctcgacca tctatctatc tatccagact	120
ttggttcgga ccaagctcga tgctgtcttg ttaaaaggctc agatctccta ttactcgcca	180
aattcaaaaag tctctgctgt tgccgatttt cgcgtccgtt cgtcctccca cgtcctgttt	240
caccgggggc tgaaagagcg ctccattncg aagttc	276

<210> 15070
 <211> 1050
 <212> DNA
 <213> A.fumigatus

<400> 15070
 actgattctc cattcagcgg tcatttccac gccgacgagg ccctggccgt ctatcttctt 60
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 gccacatgcc acaccgttgt cgatgttggt ggagagtatg acccagctag caaccgctat 180
 gatcatcatc agcgcacctt ttcaaccacc ttcccaaacc acaacaccag gctttcctcc 240
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 ctggatcacg aggatgttac cttgctctat gagaagcttt acacggattt cattgaagcg 360
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 attgagaaac gttttaggga cgggtggatc acaatcgctt cgggtggtaa cgatatgaac 480
 aacctgacc ctacttggcc acctggagag cccaagatg aggatagtct cttcaacagg 540
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 ggccgtatta tcattcttcc acagggcggg gttccttggg aggagcatct ctacaatttc 720
 gagaaggaa cctcaggcgc tggggacatc aatcccagc agcaggctta ctatgtactc 780
 tacccgaga gcgctactga aggatccaag tggcgcgctc agtgtgtttc agtaaagag 840
 ggtagcttcg agtcccgcaa accattacca gaaagctggc gtggcgcttc tgatgccgat 900
 ctggatggct gccttgctgc tgaagccgag aagtctggta agcctaagat cccagagggg 960
 gcagtctttg ttcatgccag cggttcatt ggtggacaca agacaaagga aggtgcattt 1020
 gccatggctg ttcgggtcatt ggagctataa 1050

<210> 15071
 <211> 288
 <212> DNA
 <213> A.fumigatus

<400> 15071
 atagtgcag ttcgctttca gcctcttctc tcagcaccta ttctgaagaa tcgcgttttc 60
 aagatcagtg cgtcccagaa attcgaaact gtcgtcaaat tcctcaggaa gaagcttgac 120
 tgcaaagaca cagattctgt cttttgctac gtcaacagcg tttttgctcc gggcctagac 180
 gaaggcgctt ggggtttatg gagagtgagt attcttgcta ctggcacttt tgcactgaaa 240
 gtattaattg aagggtttta cagtgtttca agacggatga tcaattga 288

<210> 15072
 <211> 540
 <212> DNA
 <213> A.fumigatus

<400> 15072
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 ggtctaactc ctatcgctccg ttttgccctt cgtggtagct acctcccagc ccgtcatgtt 180
 ccccgcccat gcacgcctca ggttcgacat agttctcact cgccgctggg ggcggcgccg 240
 gtgaaccctc ggaaaaaggt gacgatgcag accttacgga gtctctacaa gaagggagaa 300
 cccatcacaa tgctcaccgc gcatgacttt cccagcggcc atgttgccga cgcagctggg 360
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 agcgaggtgt taatggaaga gatgttgctg cattgtcgga gtgtagcgcg cgcagctaaa 480
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<210> 15073
 <211> 795
 <212> DNA

<213> A.fumigatus

<400> 15073

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cgctctgaat tcacttccat ccccggtgaa gacgagattg aaaggcaacg ggcacgccaa 60
caagagaagg agaagaaact tgctccgaaa gctcctgccg ttaaagaagt acctaaattt 120
gacgcaccag atgtaggccc cgtgaacttg gacaatctgg agccgtcgaa agagaccaa 180
cctggcggtta atgggtttcga accaccgcag cggatgactc cagaagacgt gcagatgcca 240
ttgcagacca aaccagaatc accaaggaaa agctccgaga gcttcgtgcc ccctccgctc 300
cataggacag gaccatttta tgctggctgt gaacctgccg cgtccggtat gcaaccatca 360
aatatcacgt ctgccatccg gtgcgagatg gtttcctcca ccgccgctgc acctggtgcc 420
aaagctgggt tgagcaaaga agtccatgaa ttgaagagga aggtactcga aaagagcaac 480
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gctggtcttc ggaaagtccc agtctcaaac aaaaaagaac gaaggagaga ccctaagcct 720
gggtactgcg agaattgcag agacaagttt gacgactttg aggaagtaag aatcgatcat 780
gtaggaagga attga 795

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<210> 15074

<211> 621

<212> DNA

<213> A.fumigatus

<400> 15074

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gcgccgacga ttaagcggat tggtgaggct ggaattcctg tcgtcggaca catcggactc 180
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ggcgagagca tcaaaggaat cgaacagtac agagaagaag tcaagagtcg cgcgtaccct 540
tcacaagaat acacttatcc gatagccgaa gaggaactcg cggaatttaa aaaggctgct 600
gacgtgatta agcgtcctg a 621

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<210> 15075

<211> 186

<212> DNA

<213> A.fumigatus

<400> 15075

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ttgccattcc agagtcttgc actttgtact gtctgccgca ggaatttcaa gaataccgcg 60
atcaagacct gcggtcacgt attctgcaaa gaatgcgtgg aagaaagact cacttctcgg 120
tctcgaaagt gtccaaattg caatagatca ttcggaaata acgaccatat gcatattacg 180
ctatga 186

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<210> 15076

<211> 645

<212> DNA

<213> A.fumigatus

<400> 15076

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ttggcgcggc ccttcagccc ccgtgggtgaa gaccagtatt ccatgctcaa taccgagttg 60
acgtcgatgc agaccgcctg caaaaagtac tctttgttgg cttcgcaaaa ggttgagatg 120
tttagcgctt tagaagagaa agtcgcccga ttgactgctg agaaatcaaa agcggatcag 180

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aagtatttcg	ctgcaatgaa	aagcaaggaa	gcgcgagagt	tggagggttcg	aactttgaga	240
atacagaact	cgaagagttc	cgatattgtc	tgcgaactaa	aggaatcgga	ggccaccact	300
cgctctctgt	tggccaatat	ggagaagcag	gctagtgaga	cgaaggaagc	attgaattca	360
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gcgagtgtt	cgagcgcggtg	tcgtaaagct	gagactgaaa	ttgagagctt	gaaagtcacc	540
cttgccgata	ccaagaagag	tcttgagaat	tggagaagaa	agagtttggg	caattcgtca	600
tcagagtatg	agatgttgag	ggtaagtctt	tccgcgtatg	cataa		645

<210> 15077

<211> 789

<212> DNA

<213> A.fumigatus

<400> 15077

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gccacagta	aacctttgcc	tcgtcgggtg	acaacaatcg	catcgtttca	tcacttcctc	180
aagttgtcaa	ttgcgtcaat	cgcaagcacc	tctctcccg	atgtccttgc	agcctatagg	240
aaccggggag	aactagagac	actagacaac	gatttgagcg	cgtcgacgcc	gtgtatagtt	300
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cgcgctctg	tgatggggcc	atatcaggcg	caaagcgctc	tagccagcaa	ggccctgcaa	660
gctatgattt	cagaacgaat	cgaccgagaa	tggaaacacc	cagtagaaga	tgcgggccaa	720
atcgctccctc	cttttagacct	ctgggtaggg	cggcagtagc	ttctctatag	cagaatattc	780
aattcataa						789

<210> 15078

<211> 621

<212> DNA

<213> A.fumigatus

<400> 15078

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gaggggtgagc	ctgaagatga	agagatgggc	ggcactgaga	cagagacgaa	aaaggagtca	180
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ccgatagaaa	agaaggcggt	agcggagttc	ttcaacggtc	gtaaccggag	taagacgccg	420
gcgggtctaca	aagactatcg	tgatttcattg	atcaacacgt	atcgattgaa	ccctatcgag	480
tatctcacag	tcaccgcttg	tcgtcgaaat	ttggcaggag	atgtatgcgc	tatcatgcga	540
gttcattcat	tcttcgagca	atggggcttg	atcaactatc	aggtaagtct	gcattctattg	600
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<210> 15079

<211> 1671

<212> DNA

<213> A.fumigatus

<400> 15079

tttcatgac	aacacgtatc	gattgaaccc	tatcgagtat	ctcacagtca	ccgcttgctg	60
tcgaaatttg	gcaggagatg	tatgcgctat	catgcgagtt	cattcattcc	tcgagcaatg	120


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gggcttgatc aactatcagg taagtctgca tctattgtct ataacttcat tcccgtagct 180
aacgtgggtc cctgtaaggt tgaccctcaa acgcggccat cgaacattgg tcctcccttc 240
actggacatt tccgcgtgat cgccgataca ccccgaggtc ttcagccttt ccagcctggt 300
cctcagcatg ttgtcaaacc cggaagccc caccctgcca ctgaccgggc tgctccgct 360
actcccgcat ccaaagccga tctcaatctt gaaatccgcc gcaacatcta cgatgataag 420
ggcaaggaaa taacaccagc tgctgaagat aaggaaaagc agacgaacgg cgaggggtca 480
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cttgaagata acgaatacac aattgcaccg gataaggatg ctcttggtc cgattcggag 780
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gcaggcataa gcacccgcta caacttccaa ccagcaggtg gcgatgcgag ggacggtgta 1620
cagcccttga gtgcagagac gggcgccgac tacaaaacac ttgacctgtg a 1671

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<210> 15080

<211> 462

<212> DNA

<213> A.fumigatus

<400> 15080

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agacgagggg aaacccaaga gcacatctcc gggctcccgt cacaaccccc tatcagactt 120
gaacgtcgac ggagaggcac cgattcagat tcatacctcg attccaatga ctctgatagt 180
gacggggacg agtcgacgag tccccagcga ggagtcgaagc ttgaaccgca catgccagag 240
gcggatttag attcggagtc gggctcgagt ttcgatgatg atacgaaaga taaagatgag 300
agatataaga acgaaaatga agacgatgtg tctcccggtc cggatgacga tctcccatac 360
gatcgatatc agaagcgaga tgattcatac tcggcatcgg aagatgagga tgagaagagt 420
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<210> 15081

<211> 228

<212> DNA

<213> A.fumigatus

<400> 15081

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gtagaagaga ttgcaaaggt ccccggcacg gatgtcctgt tcgtcggacc ctgggatctg 60
ggaaacaata tcggccgctc cgtcaagggg gcgttccatg aagacctcga ggctgcgatt 120
gagcggatcc gcaaggctgc cgtcgataac ggaaagaggg ccggtatcta ttgcgtgggt 180
ggtgcggctg caaagaagta tgccgaccgg ggtttccaca tggtatga 228

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<210> 15082

<211> 249

<212> DNA

<213> A.fumigatus

<400> 15082

cggtaggacag	gggccttggga	tgcgggcgct	catggaatcg	tcgtagcctct	tttgtataact	60
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tttgggagtc	cctttgccat	gggtctctatt	ggtggtgttt	ctggattgga	gtacctccag	180
ggggccaacg	atgctctgct	cactatcgtg	cagattgaga	ctaaggaggc	attggagaat	240
gtgagttga						249

<210> 15083

<211> 2334

<212> DNA

<213> A.fumigatus

<400> 15083

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tccatgtccc	agacacagga	cctaacaggc	acaaacaggt	cgctacttcc	gcggcaactg	180
aaacggctga	ggtccttgcc	ctcttcgtca	cattctcccc	cgttggtggt	catccagtc	240
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tgggctttga	tcggatctac	gatacgactg	gcacagtcac	tgcgtctacc	cttcgatgca	1140
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gcactcgaac	tggcagagct	cattcgcgcc	catgagactg	gattgcttcg	atttgatgca	1860
ccatacgacg	caagtcaactg	tctcagccca	ccatactggg	agtctgtgga	ctatctctac	1920
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cgctaccagg	gatatcgtcg	acgcggccga	acggacaatg	tagcccatgc	gtgcagccgt	2100
acactgagcg	agcttgccaa	ggctgttgaa	agcacagatt	ttacgccttg	ggcggctgac	2160
tccggcgaat	taggacaaga	cgcgcgagca	aggttgtctc	aacgaactga	gatggagtca	2220
cgggttcgac	acagacgaat	atcagggtcg	agtcagacga	tcccggatcc	tcttggggac	2280
gttctctgggt	ttccagagtg	gatggatagt	ttaccagttg	accttgtggg	atga	2334

<210> 15084

<211> 279
 <212> DNA
 <213> A.fumigatus

<400> 15084
 cgtgtcacgc tcttcacccg cgctggctgc gggctctgtg acaccgcca gacacccgtg 60
 acccagctac acaagcggag gccctttgat tacgccgaat tagacattat ggctcccagag 120
 aacaagtcct ggaaggacgt ctacgaattt gacgttccgg ttctccatgt tcaagctgcc 180
 ctcaaggatc agttctctga cccgaagaag cttttccacc gattcacaga gcaggaaatc 240
 gagaatttgg ttgaggaggc agaagaaatg aagccatag 279

<210> 15085
 <211> 732
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (54)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15085
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 tacggcaagt ttgcgcctag tcttgacgc ggcgagattc ctagattgaa ccattattcc 120
 aacgcgctgg cgagacgggt acagaagcga cgtcgacggg acaagggtgcc tggtttacia 180
 ctacgaaagg ggcacagtga tgatgacagc gatcgggcga gcagcagtga agggaaagtg 240
 gctggcaagg agaactcgaa acaaaaaaac ggacaggatg gaaagtcgac atcacgatta 300
 tcatcgTTTT cggaaTTTT tgccttgctt gaagctcatc ccaacgtccc cagcattctg 360
 tcatggtggg ctacgttggt ggtgaactta tctgtgttct cgctggcggg ttacgtggtg 420
 ttcggttttg tgcggccat ccgtgctgaa tttgagcagg ctgaggagga agtgtctgat 480
 acaatcctgg ctgagatggc tgtttgcgca aagagctacg tggacaacia gtgcgctggt 540
 ggagagcgat taccggcctt ggagacgata tgcgaaaact gggaacgctg catgaaccga 600
 gaccgggcta aggttgacg ggctaagggtg tctgctcata cgatggctat cattatcaac 660
 agctttattg atcccatcag ctggaaggca attgtatgag gtcactcact ctgttctatt 720
 gccgataatt ag 732

<210> 15086
 <211> 405
 <212> DNA
 <213> A.fumigatus

<400> 15086
 gctcaaccat cggctgacct tgactccagc gccatcaagc gtccgaacca acacagcctc 60
 aaccagctcg cgcgttattc cagggtttcc ctgcatcatg atatccaaga gatgctcgac 120
 acaggcacct ctgattcctc tagtggtgag gaagtcgagg agtcagtcgc ggtcgaaaag 180
 gaccccgaa gcatgatcgt tgaccaagac gaaaccgtcc atccatatga ggtggcaggt 240
 cagacgatct tgtctgacgc agtgaacaag gccgtagaga agtacgagac aaaggagacc 300
 gagaagctgg tcaaggaata tgagatcggt tcacatgaga gtgagatggg aactggctat 360
 ctggctgacg atgatttcga gctggtagac catgttcagc tgtga 405

<210> 15087
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 15087

tcacgattct	tatcatcaga	cagaatgatt	tataccccaa	tagtatcata	tgaaaactagt	60
ttgatcacac	agattcatat	gcgatggatg	caatatatta	agttgtcttt	aaatgatcag	120
tgtagaccga	cgaggatggt	gcgaggcagg	ttgggcacca	atgagtcgcg	accactgaga	180
tccttttggt	catctgcggg	gcttctgtag				210

<210> 15088
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 15088	
tcttcagacc	tgcaacttct
gagagtccga	tggactttga
taccagctta	gcatgcaaca
gcttacagaa	gctttcagta
	tctgacctga
	60
	120
	180
	210

<210> 15089
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 15089	
tctggatata	tgaaaaactc
caatggatgg	acggatcggc
tttttttttt	ttttttcctt
tatagagtaa	aattgcatat
	atttatattc
	ccagtgatat
	ggagctaa
	60
	120
	180
	228

<210> 15090
 <211> 183
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222>
 (41), (70), (78), (80), (108), (112), (115), (116), (117), (118), (119), (120), (121), (126)
 , (127), (128), (129), (130), (131), (133), (134), (135), (136), (156), (167), (170)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15090	
aaattcactt	ggttgggtgt
ggaaaggggn	tgtcgaanan
nttatnnnnn	ntnnntccc
taa	
	ttcccttttt
	tgggtgggtg
	nttttaaacc
	ccccattcc
	120
	180
	183

<210> 15091
 <211> 219
 <212> DNA
 <213> A.fumigatus

<400> 15091	
gacattgacc	gggacgggta
gtgggcaata	acctgaagga
gcggataagg	accgcgacgg
accgatgtca	gcttgagcat
	gacactgagt
	atgttctag
	60
	120
	180
	219

<210> 15092
 <211> 1188
 <212> DNA
 <213> A.fumigatus

<400> 15092
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 ctgaggtgcg tcaccaatca taatcaatgg gagaagaatg agcaggaggt gaaacgatat 120
 caatttacc cttccatcatc tgagtttagca actggactcg cttgcaggga gctgccattc 180
 atcaaagtgt cgctgtacgt tttagggcgc cgtccgctct tgcggactgg cttttgcgaa 240
 gtagagattc ttacacggcg ctgctctcga ggaacgccag ttagtcgac tttatcgact 300
 tggatgcatg aagctgatga agcatcccgt gggggcgagg agcgcaagct ctcggggccga 360
 atacacatct tgggacttgg gaatgtaggg acatttgttg ctcattcgct tgcaagccga 420
 ccatctccac ctctattac cctcttgcta catagtaggg atctttatgg ggcttgggta 480
 gcaaagaaaa agtgcttagc ggtcaatata aacggcctcg acgatatcaa gacgggcttt 540
 gatgtcaacg tattgagtga cgggacttgg tattcgctac cgtattggaa tcagaatggc 600
 gagcccaata cgaatgggta tagcgttaca gaagaaaatt tggaagccgg cgtggaagag 660
 tctctttccc agtcggagga agatgatgaa catatcgaat gtttgattgt tgcggtcaag 720
 gcacccatga ctgccagagc cctggaatca gtcagccatc gcttgacccc tgactctact 780
 gtactccttc tgcagaatgg catggggacc atcgaggaga tcaacgagaa agttttccct 840
 gaccgccttc aacgcccaca ttacatgtgt ggcattcatt cgcattggctt ggcgcgga 900
 agggacgcct tccatgttac tcatacaggc atcggaacta ctataatcag tctgtcgtg 960
 ccgctgatg ccttggcatc aaaggatgaa aaggatacgg attgggcacc gagcacgaaa 1020
 tacctgacac gcactttgac cctcacgcgc ccgctcgtgg ctgtcgccga aacccttca 1080
 tcccttttac tatatcagct ggaaaaactg gcattgaatg ctatcataaa tcctcttaca 1140
 gccctgatgg actgcgagaa tggcgagatt ctctacaact atagcttc 1188

<210> 15093
 <211> 324
 <212> DNA
 <213> A.fumigatus

<400> 15093
 ctgatttctc tttctagtgg tgtcgcagtt ggttctctca tcggacacgc catcggcagc 60
 ctgttcagcg gtgttctctc cagcagtgcc cccactgagg cccaacaggc tcctcctccc 120
 gctcaggctc agcctatgga caatggattg tggcagagca gtgccaccaa cagctcttgg 180
 gagactcctg cttgcgagac cgacgttcgc aacttccgca agtgccctgga tgagaaccag 240
 ggcaacatga ctatttgcgg atgggtacct gaccagctgg tacgttcaat tctcatattg 300
 tcccgttata ttgaatgctg ctaa 324

<210> 15094
 <211> 465
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (257), (263), (398)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15094
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 ttgacaacat ataaaaacca gcaacctatc aacctttcta ccggtgaatc gatttttata 180
 aaagtacacc ttacctcact tcttttccaa cgaaaatata caaccaaaat gcttcgtcaa 240
 cgccgtggcg ccgccntgc gcntaccctt gcgcgcagcg ctcccaccag acctactgtc 300

gctccccgcaa	gaccgggtgc	tcccccgct	gctcagcacc	accagcctca	ctcgactgct	360
gctcaccctc	ctgcgcagge	tcagcaagcc	cctcctcnta	tggccctgt	tcagcagagc	420
tctggtcccc	gactcttcgg	ccagatggct	tcgaccgcag	cgtaa		465

<210> 15095

<211> 987

<212> DNA

<213> A.fumigatus

<400> 15095

ttcggaaagaa	ctgaagatat	atcgacaccg	cctgcgcccc	tgaagcaaat	ggactattac	60
gctgaaccaa	taagatccac	cacgaaggct	tccatcgtgc	tagagaagcc	cgatgattgg	120
tggacatgga	atgcctatat	aactggccta	gccccgaacc	gtggagtgt	cgatatactc	180
catggagaga	ggccttacct	cggttcgcgc	attcgaccga	tccatccatt	gactctagcc	240
aatcagcagg	ctagaacgaa	ccctgcggaa	tcccagccgg	actcagagag	gccccaaacg	300
accgaagcaa	gccaatcaga	tggatcatta	actgctgcag	ccgccccaaa	ggccccagca	360
aagattactg	aagccgaatt	ggcactatat	accgaagaat	tgtcgatcta	taagggaaga	420
aaggagcaat	atcgactgga	tcgactaggc	ctagcggctc	tctggaacac	catggagcaa	480
acggtggcca	gagagcatct	ccagcggcta	accaggaat	cagacaacga	ggttgagcga	540
tatcaaaagc	tcaaggccga	tatgaagccc	tcaatcgaaa	caagaatgaa	ccaaatcgag	600
gagaaatatc	agaagcttgc	cgctaagcca	gccaatcaga	gcgtatcaag	ctggctaagt	660
gagtggcaga	aggtgctaag	cgtgtgtgct	gagctgaaaa	tgacgcaata	tactggatat	720
atgggcacca	ggagcttcct	cacagcgttg	aagaagattg	aacctcaata	tgcaaatatt	780
cgattggatc	gactgctgga	ggataacaag	ctgaatgtct	ttgacgagat	ctcccgttat	840
caaaggcact	gggagagtct	tagtcaaaaa	gaacagaaga	gcattctcac	cacattcaag	900
ggacaatcct	ctaaccaatc	gaattctgat	tcggccaatc	agaatcgtgg	aatcaagcga	960
cttaagcgag	acgattgccc	ctgcgga				987

<210> 15096

<211> 1335

<212> DNA

<213> A.fumigatus

<400> 15096

ggccggtgcc	actgcgtatc	atcacgtatg	gagcggagag	ggagaatgag	ctccccgaat	60
gactactcgc	cttccgagtt	cctcataagt	acaggaagag	gaagtactgt	gaattgcagg	120
aagtgtctcca	tcgcagcaag	ggggatacga	ccgatgaggg	ccgacgaaaa	tgcgcagagg	180
tgcgaggact	acttaaggga	tttgctgatg	tggagggaaa	cgaagacaag	gagctacctc	240
ctccagattc	caacctcttg	caacgcgcga	aagaatatct	tcagctccca	gaagatgtat	300
cggccacacc	tggtccagtc	ccagacaact	ggcagcaatc	tccctgggag	catatcgaag	360
acaagttgcg	gcgattactg	cacttccgcc	atccggaacc	agggaacctc	ttttcctaca	420
atcaatggaa	gacgggcccgt	catcatgaca	aggccgtggt	cgatatggtc	cgcgagcgga	480
aagattggca	tccggtcacg	gccccacaa	gtatcacgcc	cccccccca	caagtactat	540
accatccagc	tccaggataa	gttccgcgag	catggtttac	agattattgt	gaaaatggag	600
aacatcgaac	tcaccccaga	tagtggaagt	tacaaaggaa	cggattggcg	gatggaaggc	660
cagctcaatg	agcatctcgt	cgccgcggct	gtgtttgcat	acgatgtggc	gaatatcacc	720
gagccccgga	tcgcctttcg	tcagaacact	aagctagatg	aacgcttcta	ccgatgcagc	780
gatgaccgag	agcagatgcg	gatagtgcac	ccccgccacg	atgtgccagc	gcaacaatgt	840
ggtaagtatg	gctcgacaga	attcgacaga	gttgccgaaa	ttctgggatt	ctcgactgcc	900
gacctggatc	cttgttggtta	ccacgcagta	aaaacttggc	aggataaagg	taacagtcag	960
ggtcttacag	ggggggttgg	tacattcccc	accttttttag	agcaccgtta	cgagcccttt	1020
gcgctggccg	atccgagtcg	ccctggatgt	tttcgtttca	tcgtgctgta	cctggttgat	1080
cctcactatc	gcgtctgctc	cactcgcaac	gtgcgcgcac	agcaacatca	ctggtgggca	1140
gagtcgggtca	gtcataatct	ggccgcgggc	ggattgcgcg	aagagatcgt	cgatgagatc	1200
atgcaaggca	ccggcagctg	gccccatggg	ttgcctgaag	cccgcaggca	ccggcggtgaa	1260
ttcctgaaag	agcaccgttg	gaacaatctt	gttcggatct	attgcatgcg	tcgtccgtcc	1320

tttgactggtt actga

1335

<210> 15097

<211> 201

<212> DNA

<213> A.fumigatus

<400> 15097

catcaacttt	tcatcagcgc	cgtctgtctt	gaatctgtcc	tacgctccca	ggaaatccga	60
gaactcaaat	gtctgcatgt	cttccacagg	gaatgtctgg	ataagtggta	tctgcaggac	120
cacttcaact	gtcgcgtctg	tcatcgcgca	tattatgttc	aggagtcgcg	gccagccac	180
gactttgtat	ggatggtatg	a				201

<210> 15098

<211> 261

<212> DNA

<213> A.fumigatus

<400> 15098

cgctcggatt	catgctctgg	gtggtgggga	attgggtcttg	gagagagcac	tccttcctat	60
ccagcccgtg	ttctcctctg	cgcctcagag	tctttcccaa	ccccgcttcg	aggccacttc	120
atggaattcg	tggcagctgt	cggcaaagct	gggtgctgcca	ttgggacaga	ggtattcact	180
ccaccccaga	agtcattgga	ttccattttc	acaagtcgcg	ttgtgctcga	aggcgtcata	240
tcaaagcaat	ggttgacata	g				261

<210> 15099

<211> 786

<212> DNA

<213> A.fumigatus

<400> 15099

agattgactg	gtggtagtgc	ctcaagtctt	ggctcaaatc	gtgaacatgg	tcgattccgt	60
acgactgtgg	agcccgcata	ggcccttctt	ggatatcctg	gatcgaccag	ctattcaact	120
gttctggccg	agcaccgcag	tgatatccct	tttgaagtag	acaacagctc	agcggctgca	180
gtgtccactc	gctctattga	ttcagatcga	ttgcagatgg	gctcggatat	gctccgattg	240
ctgtacgata	ttcggggttg	cgatatcatg	attcgcaagt	accatgctcg	gacgggtgatt	300
accattgtgc	caaagatcgt	tattttattcg	attgttgagt	ccatccgaag	gatatttgac	360
agtttagacg	caaagtactt	cgattctcag	tttcaagatt	tgggtcaacca	gattttttcag	420
aatactttct	gcccgtgac	catccatggt	tcgatgaccg	tggagcagta	cttatcttcc	480
ttcactggga	ggaattcccc	atgggaagcc	ctggggaaca	tctttgcat	tacaggacta	540
gcgctgatgt	ctacacctga	cagcgatcct	gatttcactc	aggcagcgcc	tgatagcgag	600
gccaaagata	gactccgcgc	tcagatcgtc	gaggccagtg	gcactctgct	cggtttctgc	660
gatcaagcat	cgtctgtgaa	cgaactccta	ggcttttacc	agtacaatga	cgttatgtta	720
aggacacagc	aatatggtga	ctctagtatg	actatctatt	cactgcgaca	gttgatggtt	780
tgttga						786

<210> 15100

<211> 366

<212> DNA

<213> A.fumigatus

<400> 15100

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gttgccaggac	aaacccgata	gccggcagtc	cgtcgcaatg	gaacgctaca	gtcctgcgaa	120
ccctgtcgca	aagccaaatt	gcgctgcgat	cacgggagac	cggtgtgtgg	ccgctgtacg	180
gcgaaaaaca	tcgctagccg	atgcttctat	catcctgcgc	ctatgacaaa	gcgaacagtc	240

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gccagtcgag ccagcccat tgaagcatca aggagattga cgagccagcc aagttcaaag 300
tcaggactca gaccccttc atgtgacccc ggctgggcga tgatgtgcgt ttatggtaaa 360
gattga 366

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<210> 15101
<211> 864
<212> DNA
<213> A.fumigatus

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<400> 15101
ctgcaagtcc tgacttgtcg caggatatcta gagctagtcc gaaccattat caagcggtag 60
acgctcgaac cggcagggtc tcatggcggt tggggactgg acgaccattc cttcatcccc 120
tacatcctgg gatctgcgca actggcacca gctatttcag aaacagatcc aactcctgaa 180
gagggctcgc tcccagggtc tccatcgccc aatggcggtta ccaaagcaca tattgtcgaa 240
cgagaaagggt tgacgaatat gtattttctc gcgattggct tcatttacga cgtcaagaaa 300
ggggcatttt gggaacacag ccctatgctc tacgacattt ctggcattca ggctggatgg 360
gggaaaatca ataagggttag tcttgttgcg cttgccggaa atgaccaatt gcttattatc 420
cagggtatga tcaaaatgta caacgcggaa gtactgtcca agttccccgt agtgcagcac 480
ttcccggttg gctccctctt cagctgggac cgtgatccca acgccgtccc gccgccgacg 540
tccggtcata tgtctaccac ccagtctcag tctagggggc cgccgggtccc atctgctgga 600
cagacgccgc cgtccgggac cagggctccc tgggcaactg ctactcaggc agccccaccg 660
gctggagcag ggaccgccgc gccatgggca gcaaagagag acggatgcac gcccggaana 720
ccaccactt cccttcccga cacgtcacga ctgcctcctg ggccatggc ccctaccagg 780
gctccgtggg cagcatcatc aaccgggcag gcacccggcg gtgatccac ccattgtgcc 840
accaaagctc cctgggcgaa gtaa 864

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<210> 15102
<211> 510
<212> DNA
<213> A.fumigatus

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<220>
<221> unsure
<222> (127), (299)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 15102
tttgcgttgt atcatctcct cggccaaaat ccaccatgcc cgcccgagg ctatcctcct 60
cggctctctc caccagctca atccccaagc tcatcttatt cctcagcgcc tggccttcg 120
cctcggcccc ttgcgcgcgc ttccgctcca cccggaacgt cctcgcgagc cgtctggacc 180
tctcatacgg atcctcccag tctctattct gtcgcttttg caaatcctca atccgcgacc 240
tttccgtctc cgcccgccgc ttatcctcca ctttccctc caacttcgca aacgcattnt 300
ccttcgcctt ccgactctcc cccaccgcga tctcccatat cccgcctgca tccccgggat 360
cccgtttcct cccgccctca acaacaacat acgcctgatt cgccggatcc gtccgaatct 420
caatccatcc cccgcacgcc ccattgctca tccggaaact atacaccggc gtccgaatagt 480
agttcccgac cttccttttc tcggcggtga 510

```

```

<210> 15103
<211> 687
<212> DNA
<213> A.fumigatus

```

```

<400> 15103
ttccatagct caaaaaatct catggcgaac agcttcccc tccgggttct accaaccatc 60
gacccctctg cggggcatac cttcatcact cccagcaaga gaatccagca atctgaagat 120
gtatcagagt tctcatctc caaagcctac gtcgatatca tgaccttct cctgcagctc 180

```



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aaccggggcca tgatccccgt caaacttgcc gacggcactg tacaatcctg gccgatcaat 240
acagacgccg tcgagttctc tgcgccggta cggcagctcc agcagctcct gacaaaactg 300
gaggagctgc tcgcagaggg gcctcctgat accggtcctc ggagggttgg gaatatcagt 360
ttccgcaggt ggtacgaact cgtggagagc cgagcctcgg agctactggg cgagtgcctg 420
ccgtccgagc tgctgcaggg taaatcgteg gatcccaaca gtgtgaccgc ggaggcggaa 480
ctcaaagcgt acttcttagg cagctggggg agcccacaga ggctggatta tgggactgga 540
catgagctga gctttctggc gttcctggct ggaatatgga agctgaatgg gtttccgaag 600
acaacgccgg gagtggagga gagggctatc gtcttggggg tcatacagcc gtatgtatgg 660
cccggtgtg ataactgcaa gtctga 687

```

<210> 15104

<211> 249

<212> DNA

<213> A.fumigatus

<400> 15104

```

gggcccggcg gtcccatctg ctggacagac gccgccgtcc gggaccaggg ctccctgggc 60
aactgctact caggcagccc caccggctgg agcagggacc gccgcgccat gggcagcaaa 120
gagagacgga tgcacgcccg gaaaaccacc cacttcctt cccgacacgt cagcactgcc 180
tcttgggcct atggccccta ccagggtcc gtgggcagca tcatcaaccg ggcaggcacc 240
cggcgggtga 249

```

<210> 15105

<211> 756

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (404), (576)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15105

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ttgaccagcg cgggcgggtgc aaccggctctg tcaggctcga cagcggcttt aatggcgggt 60
ggtccatcat cagcggcatc cagcccttg tctgatgcg tctttctcct cttgacctct 120
ggccgccatg cactcccatc ctggttgaga aatgggtcga ccgcagccc cgtattcccc 180
gtcagctcac tgcgaaacag cgccttacga tcagccaacg tgtttgcgac atctcgcttc 240
ccattccgcg agtcgaacaa cggccggcga cgcgtgattt gcgttgatc atctcctcgg 300
ccaaaatcca ccatgccgcg ccgcaggcta tctcctcgg tctcctccac cagctcaatc 360
cccaagctca tcttatccct cagcgctcgt gccttcgct cggnccttc gcgcgccttc 420
cgetccaccc ggaacgtcct ccgcagccgt ctggacctct catacggatc ctcccagtct 480
ctattctgtc gcttttgcaa atcctcaatc cgcgaccttt ccgtctccgc ccgccgctta 540
tctccacct ttccctccaa cttcgcaaac gcactntcct tcgccttcgg atcctcccc 600
accgcgatct cccatatccc gcctgcatcc ccggtatccc gcttccctccc gccctcaaca 660
acaacatacg ccgtattcgc cggatccgtc cgaatctcaa tccatcccc gcacgcccc 720
tgcttcatcc ggaaactata caccggcgtc gaatag 756

```

<210> 15106

<211> 1686

<212> DNA

<213> A.fumigatus

<400> 15106

```

gctctcgcgc tctatcctga atggctccgt cccggtttca cgtctgaacg acatggtaaa 60
aatctcatat cgtggctggt cttcgcagat gctgatcatg agcaggtcac cagaatcgtg 120
gcggcatggt acaagatggg ccaggatgga gacttccgcg tgcccaactt ctcgagcaac 180

```

```

acacaagatg cgacggggccc tttgtaccgg ggtgctcttt tctctccgtc tgggtgttgtc 240
aaccagtatg tcaacgtgca ggccgatcac aacattactg ccagagcaat cgcgagagat 300
gccatcactt tgctaaagaa tgatgacaat atcctccctt tgaagaaaga cgacgctcta 360
aagggtttttg gaacagacgc cgggcctaac ccggacggtc tcaactcctg cgctgatatg 420
ggatgcaaca aaggagtgtt gaccatgggc tggggcagtg gcacgtccag gcttccgtac 480
ttggtcacac cgcaggaagc cattgccaac atctcgtcca atgctgcctt ctttattacc 540
gataagtttc cctctaacgt tgcggtaagc tcaggcgatg tcgcccgtgtt gttcatcagc 600
gcgcactctg gagagaacta tatcaccgtc gaaggcaatc caggggatcg gacctcggca 660
gggctaaccg catggcacaa cggcgacaag cttgtcaaag acgcagcggc caagttctcc 720
aaagtcgttg tggtcgtcca caccgtgggc cctatcctca tggaggaatg gatcgacctg 780
ccgtcggtaa aagccgtcct agtcgcgcac ctccccgggc aggaagccgg ctgggtccctg 840
acggacgttc tcttctgcga ctacagcccc agcggccatc tcccatacac gatcccacgc 900
gccgaatcag actatccttc tagcgtcggt ctctctctgc agcctattgt ccaaattcaa 960
gacacctaca ccgagggcct gtacatcgac taccgccact tectcaaagc caacatcacc 1020
ccacgctatc ccttcggcca cggactctcc tacagcacct tcagcttctc ccatcccacg 1080
ctgtccgtcc gcaccgcaact ctacagcaact taccaccga ctcgggcccc caaaggccca 1140
acctcaatct accccaccgc catccccgac cctccgagg tatcctggcc caaaaacttc 1200
gaccgcattt ggcgtacct ctatccatac ctcgacgacc ccgccagcgt tgggaagaac 1260
tccagcaaga cctaccata cccggccggg tacacgaccg tccccaaagt tgccccgcgc 1320
gccggtggcg cagaggggag caaccggcc ctcttcgacg tggccttcgc tgtcagcgtc 1380
accgtcacia acacgggcag ccgacccggc cgcgcgcgtc ctcaacttta cgtcgaacta 1440
ccagatagtc ttgggcgagc gccatctcgc cagctgcgac agttttgcga gacgaagact 1500
ctagcccccg ggactagcga gacgtgacc atggagatca ctcgcaagga tatcagtgtt 1560
tgggatgtgg tgggtgcagga ctggaaggcg cctgttcggg gagagggagt gaaaatctgg 1620
cttggggaga gtgtgctgga tatgcccggc gtgtgtgagg ttggaggtgc ttgcagggtt 1680
atataa 1686

```

<210> 15107

<211> 504

<212> DNA

<213> A.fumigatus

<400> 15107

```

tccttcacgc cccgtggtga agacctgctc aatgaaatcc tgaaggatga gctaggattc 60
caggggttcg tcatgaccga ctggcttggt caatatggcg gagtctcctc ggccctggct 120
ggtctggata tggccatgcc aggcgatggt gctatccgc ttttagggac tgcttattgg 180
ggctctgagc tctcgcgctc tatcctgaat ggctccgtcc cggtttcacg tctgaacgac 240
atggtaaaaa tctcatatcg ttgctgttct tcgcagatgc tgatcatgag caggtcacca 300
gaatcgtggc ggcatggtac aagatgggac aggatggaga cttcccgctg cccaacttct 360
cgagcaacac acaagatgcg acgggcccct tgtaccgggg tgcctttttc tctccgtctg 420
gtgttgtcaa ccagtatgtc aacgtgcagg ccgatcacia cattactgcc agagcaatcg 480
cgagagatgc catcactttg ctaa 504

```

<210> 15108

<211> 663

<212> DNA

<213> A.fumigatus

<400> 15108

```

cggacgttct cttctgcgac tacagcccca gcggccatct cccatacacg atcccacgcg 60
ccgaatcaga ctatccttct agcgtcggtc tctctcgcga gcctattgtc caaatccaag 120
acacctatac cgagggcctg tacatcgact accgccactt cctcaaagcc aacatcaccc 180
cacgctatcc cttcggccac ggactctcct acagcacctt cagcttctcc catcccacgc 240
tgtccgtccg caccgcactc tacagcactt acccaccgac tcggcccccc aaaggcccaa 300
cctcaatcta cccaccgcgc atccccgacc cctccgaggt atcctggccc aaaaacttcg 360
accgcatttg gcgtacctc tatccatacc tcgacgacct cgccagcgtt gggaagaact 420

```

ccagcaagac	ctacccatac	ccggccgggt	acacgaccgt	ccccaagctt	gccccgcgcg	480
ccggtggcgc	agagggaggc	aaccggcccc	tcttcgacgt	ggccttcgct	gtcagcgtea	540
ccgtcacaaa	cacgggcagc	cgacccggcc	gcgccgtcgc	tcaactttac	gtcgaactac	600
cagatagtct	gggcgagacg	ccatctcgcc	agctgcgaca	gtttgcgaag	acgaagactc	660
tag						663

<210> 15109

<211> 1083

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (486), (658)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15109

ctaacagcca	cacagatatg	ggacgggtccg	ttacctcccc	ttagctactc	aagttcccac	60
cgaaccctaa	aactaacgac	tgacaacagc	tatgtccccc	cggaccaaga	gggcataaca	120
acaggcaaca	aactagccgg	caagcaccca	ctaggggcgc	gagcgcgcca	tctccgcaca	180
agcggcgctt	tgatcgtacg	cttcgagatg	cccttcgcgg	tgtggtgcac	gacgtgcaag	240
ccgcacgaga	cgctcatcgg	gcaaggggtg	cggttcaacg	ccgagaaaag	gaaggtcggg	300
aactactatt	cgacgccggg	gtatagtttc	cggatgaagc	atggggcgctg	cgggggatgg	360
attgagattc	ggacgggatcc	ggcgaatacg	gcgtatgttg	ttgttgaggg	cgggaggaag	420
cgggataccg	gggatgcagg	cgggatatgg	gagatcgccg	tgggggagga	tcggaaggcg	480
aaggangatg	cgtttgcgaa	gttgaggagg	aagggtggagg	ataagcggcg	ggcggagacg	540
gaaaggctcg	ggattgagga	tttgcaaaaag	cgacagaata	gagactggga	ggatccgtat	600
gagagggtcca	gacggctcgc	gaggacgttc	cgggtggagc	ggaaggcgcg	cgaagggnc	660
gaggcgaagg	ccgaggcgct	gagggataag	atgagcttgg	ggattgagct	ggtggaggag	720
accgaggagg	atagcctcgc	ggcgggcatg	gtggattttg	gccgaggaga	tgatacaacg	780
caaatcacgc	gtcgccggcc	gttgttcgac	tcgcggaatg	ggaagcgaga	tgtcgcaaac	840
acgttggtcg	atcgtaaggc	gctgtttcgc	agtgaagtga	cggggaatac	gcgggctcgc	900
gtcgacccat	ttctcaacca	ggatgggagt	gcatggcgcc	cagagggtcaa	gaggagaaag	960
acggcatcga	ccaagggcgt	ggatgccgct	gatgatggac	caccgcctat	taaagccgct	1020
gtcgagcctg	acagaccggt	tgcaccgccc	gcgctgggtca	attatgcttc	tgacagtgc	1080
taa						1083

<210> 15110

<211> 690

<212> DNA

<213> A.fumigatus

<400> 15110

ttgacattct	cgaagttaca	ttacttgcaa	aaagcccatg	aaaaagcttc	aatatcctat	60
cggttaaagg	gcgtcaccgc	tcataattaat	gaaacttggg	cgcgcaatgg	ggatgactcc	120
gccatgaaga	aagcacttcg	caggggaggt	tacagcacgt	taaatgtcta	ctttcagacc	180
aatctacagc	cgccctccac	cacagatttt	gcaagatgga	cctctgacgg	tgacaatcgc	240
cacgcatata	actcagacct	tgccccccct	agcgtccttg	gtttctgcac	tcttcgggat	300
ccaagcatta	actccagcag	ccctcgatcc	agctattcca	aagatggctg	caatgtgctg	360
gctaagacta	tgccctggtg	tcccatgact	cattacaatc	gagggtggc	tgcaatacac	420
gaaatcggtc	actggaatgg	tctcttacat	actttcgaag	gggagtcgtg	ttcggaagac	480
aatgctggtg	attacattgc	agataacccg	cagcagtcgg	tgcccactga	tgggtgccct	540
tctcagaagg	attcatgccc	ggatagccct	ggcttgagcg	acatacataa	tttcatggac	600
tattcatctg	atgactgtta	tgcttccttt	acatctaata	agctgaagag	aatgcgagac	660
atgtggttct	ccatgagaaa	aggcaaataa				690

<210> 15111
 <211> 243
 <212> DNA
 <213> *A.fumigatus*

<400> 15111
 tcagacattc cagtctccaa tagcaacaag atgtacctta taaaccccca gcagccttca 60
 gagatcgaag ccaagatgct ctgcgacaag cttcctcaac atgatgttgc ctttcaattc 120
 ctgcgtttat gtcttgctta ttataagtct catgtcgaac tgccgagctc tatgtcgtgc 180
 gacggcttta caaggccgtt ctctttgtgc cactgggtggc ccagatgcag cattcagggc 240
 tga 243

<210> 15112
 <211> 624
 <212> DNA
 <213> *A.fumigatus*

<400> 15112
 tcactcatag accgcgctcc tgtgaagtta cctgacgtct accttcggcc tcctttggat 60
 gggaagcgcg ttccgggtga ggtcgagata catcaaacg gtcttcgata catgtctccg 120
 ttccgaaatg aacacgtcga cgtgctcttc agcaatgtga aacatttggt cttccaaccg 180
 tgtgtcacg agttgattgt cctcattcac gtccatctca aaacgcctat catgattggg 240
 aagagaaaaa caagagatgt gcaattttat cgggaagcca ccgagatgca attcgacgag 300
 actggcaatc gcagacgcaa acatcgctat ggagatgaag aggaattcga agctgaacaa 360
 gaggaaggc gacgcagagc agcattggac agagaattca aggccttcgc tgagaagata 420
 gctgatgccg ggaaagacga gggcgttgat gtcgacatac catttcgaga gattggattc 480
 actggcgctc ccaaccggtc caatgttctt atacaaccga ccactgacgc cctcgtgcaa 540
 ttgacggaac cccctttcct agtcatcacc ctgaatgaga ttgaaattgc ccactcgcag 600
 agagtgcagg taaggttcta ctag 624

<210> 15113
 <211> 540
 <212> DNA
 <213> *A.fumigatus*

<400> 15113
 ggttctacta gtgttatgac taatatattat tgttatgctg atgacttgca gtttggtctc 60
 aaaaactttg acctagtctt cgtattcaag gattttcaca gggccctgt tcacataaac 120
 acaatcccgg tagagtcctt ggaaggcgtg aaagactggc tggattcagt cgatattgct 180
 ttactgagg gacctctgaa cctcaactgg acaaccatca tgaagacggt tgtgagtgat 240
 ccttacggtt tctttgcgga tggagggttg tccttcttag ccgcggaatc tgattcggag 300
 gacggatcgg aagaggagga ggagtctgca tttgagctct ccgagtcgga attggcggcg 360
 gcagatgaga gttctgagga cgacagcga tttgacgacg atgctagcgc ggaggcaagc 420
 gacttcagcg cagaagaaga gagtgggtgaa gattgggatg aactcgaaag gaaagctaag 480
 aagaaggata gggaaggcgg cttggatgat gaagaacatg gcaagaagcg aaaacggtag 540

<210> 15114
 <211> 858
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (2)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15114

anattgaaag	gacgcaagag	ctcaacttac	tctatgatca	tcacagacac	agttcgtgtg	60
ggagaaaatg	ggccacatgt	gttcaccaag	gatgcaggtc	ttgacatgga	ctccgtatca	120
ttctacttcg	gagacgaaga	ggaaccccaa	aaacccatca	aggagaaaaa	ggaagcgaaa	180
accagtgtca	tcgccagcag	gaacatcaca	agaacgaagc	tccgagcgga	acggccaact	240
caaataaatg	aaggtgctga	ggcgcgctgc	cgcgagcacc	aaaaggagct	agccgctaaa	300
aagacaagag	agggccttga	tcggtttgct	ggaactactg	gagacgacaa	tggagttacg	360
cagaaaaagt	tcaaacggtt	cgaatcgtac	aagagggata	atcaattgcc	aacaaagggtg	420
agagaactca	ctatatatgt	tgacccaaaa	gcctctacag	taatagtcc	cataatgggt	480
cgaccagtcc	cgttccatat	caacacaatc	aagaatgcaa	gtaaaagcga	cgaggggcgaa	540
tatgcgtacc	tccgcataca	cttcctttcc	cccggccagg	gagttggcag	gaaggacgac	600
cagcctttcg	aggatctgtc	ggctcatttc	ctgcggaacc	tgactcttcg	ttctaaggac	660
aacgagagac	tggctcaggt	tgcccaggat	atcactgaat	tgaggaaaaa	tgctttgagg	720
cgggagcaag	aaaagaagga	gatggaagat	gttgtagagc	aagacaagct	cattgagatc	780
agaagtacat	ccttgcgccg	cacaattctg	ttaccaatgc	taatcactca	tagaccgccc	840
tcctgtgaag	ttacctga					858

<210> 15115

<211> 1248

<212> DNA

<213> A.fumigatus

<400> 15115

ctatctgtct	cttatattca	gcaaagtcgt	tcccggttcc	aggtaaggc	ctcgaaaacc	60
agccagaaat	tcgatgaggc	actggtcgaa	ttgtcggcga	ttatggctgc	cacggcaacg	120
atccccaagc	cgaagaagcc	gtcgctcaag	ggccccgagc	ttgcgacggt	tatttcgcaa	180
gcgttagagg	ttcacaattc	cattctgaac	tgcaagcat	accctgagag	ttggttcagt	240
gtgcatgtgt	acaatcaccg	agctaccgta	aagagcctgg	aattcctcgc	tacattactg	300
actagcaagt	ttttgcccgc	gccggatgac	gcggaagct	ttgatacgag	gttgtgggag	360
agcttcttca	tgactttgct	caaggttgtg	tccagtgatg	cactggcctt	ggaaacattc	420
cccagcgaga	aacgaagggc	cgtttggaag	atcgcaggcg	acgtgcgtga	gcagggagcc	480
gagctgctgc	gctccagctg	ggaggccatc	ggttgggaaa	cgacagatga	ggaccgggaa	540
ctgtatgggc	tgcgcaagct	cggcggttac	caggttcaat	atgtgcctgg	cctcgtggca	600
ccgatcatcg	gactctgcct	cagtgtacac	gagggattac	ggcatgtcgc	agtggaaatc	660
ctacggacca	tgattctgag	cgaatggggc	ctgaaccaag	agctttccat	cgtcgagacg	720
gaaatcata	ccagcctcga	ccatctcttc	aaaacaaaga	agatgaacga	gagcattatc	780
cagaagctgt	tcgtcagcga	actcctcgaa	tactttgagg	gctgcacttc	cttggacgag	840
gacctttccg	atgcggtcaa	aggtctcatc	gcgaccgtcg	acgagctttt	ggatctgttt	900
gttgcatcgc	agagcggtc	gatggccgga	agtatgcata	cattgaggtt	gatggaatat	960
atgaaggata	tgggcccggga	agacatcttc	attcgttatg	tgcatagaat	agcgaacgta	1020
caagcggcgg	cgggcaactt	taccgaagcc	ggtcttgccc	tccagttcca	cgcgcgactt	1080
tacgattggg	acccgaagcg	agtgggtcca	gaggtccttg	accctccctt	ccctgagcag	1140
acggccttcg	agcgcaagga	atcgctgtac	tttgccatca	tccagcattt	cgaggacggc	1200
acggcctggg	cgcatacgct	tgtctgctac	aaaggctctc	acccgggg		1248

<210> 15116

<211> 1257

<212> DNA

<213> A.fumigatus

<400> 15116

ccagttccct	cccagtgagg	ctcttttcggc	aagaacgaat	cggccaagga	tgaagcgatt	60
accggggccg	tgccaccct	gcgcctggag	acgtacctgt	gcagcactga	atactcgag	120
gaccaggtca	tcctgagctt	gctgcattgg	aaggaccggc	cggtagatga	gatcttggtt	180
accttgaaga	gggttctgtt	tgtgcctgag	attgagatcg	tcaagcagct	gagcagtggt	240
tttgatgcgc	tatttggaat	cctgggtggaa	aatgccggaa	atgaggagta	cgaagatctg	300

atattcaaca	atcttgtgac	cgttcttggc	atcgctccatg	accgacgggt	caaccttggc	360
ccgctgggtg	accactatgc	ggacaaccaa	ttcaatttcc	ccttcgctac	cccctgtctg	420
atgcgaagct	atctccgcct	ccttcaggct	agtgcgatg	tgcaacagtc	acggagcctg	480
cgtgccacat	tcaaggtcgg	ccgacatgtc	ctcaagttca	tcatcaatgc	caggcagcag	540
caaaaggcca	aggaggaagg	catcgggtatc	actcgggggc	agtccacttt	caaccgggat	600
ctgcacacca	tcttcaaate	tctggaagtc	ctcatgagga	atccgtcacc	ggcaatggtg	660
ggcagcaaga	cgctttagt	gcagcatttc	cacacgtggc	tgccggggct	atccaaagtc	720
attagcaaag	acgagatcat	catgattgcg	ctcagcttta	tggactcttg	cagcgacgct	780
aaaggctctt	tgatactgta	caagttggtc	ctgatccagc	actacacgca	gctggagata	840
ttcgaatccg	gaccagaacg	acggactctg	atctccagtt	gcattggctg	gctggaaccg	900
tactggggag	ccaccggatc	cgtcaccgac	caatatcgcg	atcaggttcg	gttgagttgc	960
gcgatcgctg	cccagcttct	gaagcagcca	gatccgttgt	tgtatggctt	catgcctcag	1020
atcgctctcg	catactattc	aatcataccg	gatggcgtgg	aggagactag	ctatctgtct	1080
cttatattca	gcaaagtcgt	tcccggttcc	aggtaagggc	ctcgaaaacc	agccagaaat	1140
tcgatgaggg	actggtcgaa	ttgtcggcga	ttatggctgc	cacggcaacg	atccccaaag	1200
cgaagaagcc	gtcgctcaag	ggccccgagc	ttgcgacggt	tatttcgcaa	gcgttag	1257

<210> 15117

<211> 435

<212> DNA

<213> A.fumigatus

<400> 15117

gcattgatat	cgctgggtcaa	tgcattgcga	atcacgacga	acacttcctt	gacgacaggt	60
caaatacagaa	ctggcagcaa	acgactcgta	agctgccact	gccgggacat	cacgatgagc	120
tctaaccaag	acaccacgca	atcgctcgaca	aagaagcgag	aatcccgcgc	aggaactcgt	180
aaagtgacca	ctctttccgc	tgaacagctg	gcgcgaaagc	gtgccaacga	tcgagaggca	240
caaagaacca	ttcgtcagcg	gacgaaagaa	catatcgagc	gactccaaaa	ccaagtggct	300
gagctccaag	ccaagaacca	gcaatttgac	gacgtgatgc	gacggaatgc	tgctctagag	360
catgagatca	agagcctcag	gcagcaactg	gctatgctca	ctggcaacca	aagctatagc	420
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<210> 15118

<211> 366

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (267)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15118

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atcagtcccc	aatcacgcc	tctgaagtac	ttcccagctt	ctcagcgagt	cacttatctc	180
tactacctcg	ggcgctat	gttctccaac	aacctttttt	atccggcgca	gatcgcgctg	240
caagctgcct	acgaccagt	tcaccgncag	gctgtcagtc	agaaacgcat	gattctcacg	300
taccttatcc	catgcaacat	catcatgggc	ccgcttcctt	tccctgcagc	tcttgcaaaa	360
agctga						366

<210> 15119

<211> 1506

<212> DNA

<213> A.fumigatus

<400> 15119

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attgcaggcc	agggtccgaaa	atttcacagt	cgccgacaac	cttttcgcat	ctatcatggc	180
tcgacgaata	gtacacggca	gtctcaacat	catcacaata	acaccgtcaa	cacagcacat	240
ctaaatcata	tgatacgcac	cgattgcgaa	gctcaaacag	tgctggtcga	acccaatgtc	300
ccgatggacc	accttgtccg	ggccactctg	gctgctggcc	tggtccctct	tggtgtgatg	360
gagtttcctg	gtatcacggc	cgggggagga	ttttccggca	cttcggcgca	aagcagctct	420
tttcggcacg	gtttctttga	tgccactgta	aattggattg	agatagtcct	gccaaacggc	480
gaggtacgaa	ttgcgtcgaa	gagctcggat	cccgatctct	tctggggcgc	tgcatcggca	540
ttcggcactc	ttggtgtcgt	cacattgctc	gaggtacaat	gtcagcaggc	aaaaccttat	600
gtcagagctga	agtacgagtc	cgcgtcatgc	atgactcatg	ccatggacat	cttcgcgcgc	660
gcggctgcag	atccgcagat	cgattacctc	gacgggatcg	tcttcgccag	ggatcacatc	720
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accggcgctc	gggatccatg	gttttatctt	catgcgcaga	aacgtgccaa	cacatcttca	840
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tgggttgccc	gatacgccta	ttcgtatttc	ctagttccat	tcaaccgcat	cacacgctat	960
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gactggctgg	acaaaaaaca	gaactttggc	gcctacccta	tctggctgtg	tcctctgcgg	1140
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ggaaagaagt	ggttgtatgc	gcatacgtac	tacaccgaag	atgaattctg	gtctttatac	1380
gacaagagga	aatacgacca	gctgagggag	agataccatg	cgtcttatct	accggatctg	1440
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agatag						1506

<210> 15120

<211> 354

<212> DNA

<213> A.fumigatus

<400> 15120

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ctccccgacg	cgtaccgaca	gatgggtggc	gagctgcgac	aacaataccc	cagcggatcg	180
ccaaaagaag	gaaacttggt	acgacgatgc	gaagaggttg	tgccgcgcac	caaaggagct	240
agctcgtggg	cgcccttccc	tacatttatg	aagttatatt	tctgcttccc	tcgcgatgtc	300
aacgtcgaca	acctccttga	gacgtataac	ctacttaagg	gacttctcaa	gtaa	354

<210> 15121

<211> 630

<212> DNA

<213> A.fumigatus

<400> 15121

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aacggaaacca	tctatggcgt	ctatgtcggg	gtgactctcg	tgacgcctgt	gtgcgccgta	180
ttcgcggggc	cgatcatgaa	caagatccaa	acgttttcga	ttttcgtcaa	cgtggcgatg	240
atcatcgcaa	cggtggctgc	gcttcccgtc	ggcaagggtc	gccgcggcca	gtcgtctgaac	300
ccgggctcgt	atgtcttcgg	ggacgtggag	aacctgacaa	cgtggccgac	gggctgggct	360
tttgtctctg	cggtcctggc	ccccatctgg	tcgattgggt	tcttcgactc	gtgcgtgcat	420
atgagcgagg	aagcgtcgca	tgcggccaag	gcgggtgccg	tggggatcat	ctggctcgtc	480
ggttgcgccca	cggtcctagg	atttctgggt	ttgtccgtga	ttgccgcgac	gatggacccg	540

gatgttagca agacgatggg ctcgacgttt gggcagccaa tggcgcaggt aagccatcca 600
 tgtcctcgta tggtaactga cggcgactga 630

<210> 15122
 <211> 564
 <212> DNA
 <213> A.fumigatus

<400> 15122
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 ggtactgata aacagatcgt tgctgcctcc cggcaagcat gggcgttctc ccgtgacggc 180
 gccctcccct tctcgggcta cttccgccat atcagcaaac gcatccggta ccagcccgtc 240
 cgcgcaatcg tccgggttcgt cgcctgtgtc atcgttgccg gcctgctctg cctgatcaac 300
 tcgacgcgcg ccaacgcgct gttctccctg ttcgtcgcga gcaactacgt cgcctggggc 360
 accccgattc tctgccgcgt ggtctggagc aagaagcact tccggccggg cgagtctac 420
 acggggaagc tgagccggcc gattgccatc gtcgcaatcc tgtggttgat ctttgggctg 480
 atgctgtcga tgtttccgag cgggggaccg aatccaactc gtaagtgtct tttttgtctt 540
 tgcagtctag gaactgatgg ctga 564

<210> 15123
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 15123
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 gttgcatgca tgacgtatta tttcctcttt gcgcggaaat ggtacaccgg cccaagatg 120
 acgatcgatt cgtcgtcgtc ggaggtggta tccccgccag agaaagatgc agcagccaac 180
 tga 183

<210> 15124
 <211> 600
 <212> DNA
 <213> A.fumigatus

<400> 15124
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 accacaatc cccgctccaa ggaacggggg agcctgcgca cccgccccct ccgacgtgga 180
 ggtcgaactg cccgccgcac cggcactagt gctcgtgcgg gtcattggtg tggatgaacga 240
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 caccgaccgg gtctccgtgg cggtcggcgt accattcgtt ccggtcaggg tggatcaattg 360
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 ggccacggac gacgcccagg actggacgtt ggaggtgcg gcgcgggctt cggaggtgag 480
 cgaggagacg gccgccgcgc cgcgggtttc aaacgcggag gcgatggagg ttgcgtcggc 540
 gacgacgttg gaggcgatgt tttggccgtt ggagacgatg ttgttggtctg cggagactag 600

<210> 15125
 <211> 237
 <212> DNA
 <213> A.fumigatus

<400> 15125
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 ggctacaagc aggagctgcg acgacagtat tcgacattag aaatctttgc ggtcgcgttt 120

agtatcatgg gtttgggtcc gtcgatcgcg tctaccattg cattctcact tccagctggg 180
ccagtcggga tgggttgggt tcgtttgttt tcttgctttc tttcccgacg cggctaa 237

<210> 15126

<211> 306

<212> DNA

<213> A.fumigatus

<400> 15126

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tatttcgcgg gtgagaagtt caagaacccg ctgagcttct tggtcggata cagcaacacc 120
cttgggctga ttggggggat gtgctcggtt gactgtatgt cttggtcatg tttatcgctc 180
catcactcgg catcgctgac ggtacagata cgtctctcgt gctgctgctc gcgtgcatct 240
cgatctcgcg tgacggagaa tggtcgcgct ccaacggaac catctatggc gtctatgtcg 300
gggtga 306

<210> 15127

<211> 819

<212> DNA

<213> A.fumigatus

<400> 15127

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agcctccagc ctccagtctc caatctctgg ctgcttcatt gtcattctaga actgataacc 180
ctatctcata taaacaaaac caaacacccg aaaaaagcaa aaatgcaact cgtccacctc 240
acagctctcc tcttggaac agccacctcc acctacgcac aggacaacaa tgcaattgac 300
tccttagtct ccgcagccaa caacatcgtc tccaacggcc aaaacatcgc ctccaacgtc 360
gtcgccgacg caacctccat cgctcccgcg tttgaaaccg gcggcgcggc ggccgtctcc 420
tcgctcacct ccgaggccgg cgccgcagcc tccaacgtcc agtcctgggc gtcgctcgctg 480
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gggtcggttca ccaccacat gaccgcacg agcactagt ccggtgcggc gggcacgtcg 720
acctccacgt cggagggggc gggtgcgcag gctaccccg tcttgaggc ggggattgtg 780
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<210> 15128

<211> 1308

<212> DNA

<213> A.fumigatus

<400> 15128

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aatgtaaccc ccaactgcac caaccacagc gacaacgatg acgacgacga agatgaggaa 180
gaagaatata ctccgggtccc tgctaaaaga gcgaagagcg tgtcccgacg gcgaacgacg 240
aatgaagcga taacacccac caccgcacgt aaggtagcaa aaacgcgacg gtcgacaaca 300
gcagagcaag gtgatacctt agaaatcaac aataaaaaatg acgaaggcga ctctgtcgctc 360
cccaaggaag aggaacccga atctccttta cagaatgcgg ctgcagctct gaaaagaaaa 420
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gacgatccga agtcgcagat ctccatcatc aatccaaatt cgacgatcct agagagaccg 660
atggacattg ttatgaagtc acgcaatctg gcaccctctg taccagaaga gccatctgga 720
cccaagcccc ggttgattat caccacactg gttctgacaa acttcaagag ttacgcaggg 780

aaacagattg	taggtccttt	ccatgcttca	ttctcctctg	ttgtcgggcc	caatggatct	840
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tacatgaatg	ggaaggagac	aaacttcacg	gcggtaacga	ctctgcttcg	agaacgaagt	1140
attgatcttg	atcacaagcg	attcctcatc	cttcagggag	aagtcgagtc	catcgctcaa	1200
atgaagccca	aggccgcaaa	tgaacacgaa	gacggactgc	tcgagtatct	cgaagatatc	1260
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<210> 15129

<211> 285

<212> DNA

<213> A.fumigatus

<400> 15129

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tgggaggatt	tcgacagcat	tttctacttc	aataagagtt	ttaactacga	tgacaaggtc	180
attgaacaga	tcctttccaa	ccgtcgcgcg	ttaggaaacc	aattgtttgc	cgaccgactc	240
ttgggattgc	tcggtgttca	agctggtagg	caattcgctc	cataa		285

<210> 15130

<211> 354

<212> DNA

<213> A.fumigatus

<400> 15130

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aacttccatt	ttcatctcga	gtactcttct	tctgtcaaaa	ttcacgatac	ctatagcatc	180
gaccgtgatg	aattcgacag	agtgatctgc	aggcctgaca	ttcagtatac	atccatcaag	240
ggcacagtta	tctactggct	tgctcttcca	cgatcagttg	gcgcagccga	gaaaagaaac	300
atggttgtct	gtactttctt	tcagcaaggc	agatgtagat	ttggagggtat	ttag	354

<210> 15131

<211> 198

<212> DNA

<213> A.fumigatus

<400> 15131

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ttctccctct	tcgtgttttt	ctgcccatca	ctgtctgact	tgtatattga	gaaccacttc	180
caggctattg	cactttga					198

<210> 15132

<211> 444

<212> DNA

<213> A.fumigatus

<400> 15132

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ttcctagccg	ctcatgagat	tgcattgcgcg	cagggtgaagc	aagtcaatgc	atcaaccccc	180
tgccctctga	gatttgtctg	ctcgtgctct	ggagaacatc	aaagcttgag	gccgagcata	240

tatctcgact	ccgtgaagct	ctttttcgag	atcatctctg	agagacaata	catcagtgtg	300
gcaggcgtgg	tagttgaagc	ggcctgggcg	tggttggtgta	acttttaaata	tgatctagat	360
aaagacaagg	ctggttagtcg	ctatgtccac	acaaatagaa	cacaggctgc	cattcaatct	420
tccgagtgc	catctgtgtg	ctga				444

<210> 15133

<211> 333

<212> DNA

<213> A.fumigatus

<400> 15133

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accctcttac	aaaacccttc	cgtattcccc	caaataccaa	ttgagtgcgg	actgggatat	180
ggaatcagaa	cccggggggc	ttccttggtt	tccccggaac	cgccctcaa	ttcctcttcc	240
tcaaaaaatt	gtgccatttt	ccccgtgaac	ccctttttcc	ttcccggaat	tatcccggtt	300
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<210> 15134

<211> 369

<212> DNA

<213> A.fumigatus

<400> 15134

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gtcgggtcca	gtggttattc	ttactccagt	tataacaact	cgccatggaa	cgaagatggt	180
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cctaaggcgc	tgcccaagtg	tctgcctaag	aaggctcttg	tcttcgggat	tttgagctat	360
atcctgtga						369

<210> 15135

<211> 309

<212> DNA

<213> A.fumigatus

<400> 15135

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gacctccccg	actctctgag	tatcggttcc	ccaatttcac	atgagcaagt	gatccgtcta	180
tcacgctatt	ccaacaatgg	agccaacagc	accagccccc	acccaaaacc	agacagaagc	240
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cctgtatga						309

<210> 15136

<211> 699

<212> DNA

<213> A.fumigatus

<400> 15136

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gggccctcgc	cgatcttctc	ctcctccacg	ccgactctct	ccgcccttca	cgactctaaa	180
gcactcgcgc	gcgatacggg	gacgaaagac	ccgctcacc	catcactggt	actgaacatt	240
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cctgacattt tagtgagctc tgtatcctct ttgtggcggg gacagccacc cagcaaaccg 360
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gccgcgctga tggtaggtgt ggcggaggtg ttgatctatg cgatctatct tcaaaagggtt 480
gaccaggcgc gggcgcgcga gaggcgcac aaggagagga aggaggtggg ggagactgat 540
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caggagacga tatggggaag ggggtgcgaat ggaggcgtgc ggcgaagggt gaggggagaaa 660
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<210> 15137

<211> 201

<212> DNA

<213> A.fumigatus

<400> 15137

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atgctcgcgt accccatccc cgaggccgag aggacgctgt cggagaagtt tcttcctcgc 180
cacgggcaag agatccgcgt g 201

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<210> 15138

<211> 1029

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (63)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15138

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aagcgtgcac ttcaggatat tgtgcgatgg tgttggtcca acactgcggc gcagggttggc 780
ctgcagaatc aaaagggcga cctcgtgccg ggctttgacg ccgatatctg tgtctttgac 840
gacaccgcag aatgggtcgt taagcccagc accatgcttt tccgcaacaa gtgctcccc 900
taccagggtc gcacccttcg aggcattggt cgcgaaacct ggggtgcgagg cgagaaagtc 960
ttcagccgag acgatggttt tgtcgccaag atcccaaccg gtcgcctcct tctggagaag 1020
cgggtttga 1029

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<210> 15139

<211> 297

<212> DNA

<213> A.fumigatus

<400> 15139

```

caaccactct cctccagcac cgtaacaaca caaacgaacc cgcgcggaat tcccgccgct 60

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cccttcacgcg	acaatgtcag	cgactatgtc	gcctcgcgcg	cagacgtgga	accacacta	120
cagcgtttcc	aggagatgat	ctccaaatat	caatttatgg	agctcaatac	ccagcgccga	180
gcggcggggc	tccgagaaaa	gattcccgcg	atcaagaaga	cattagacgt	cgtagcggtc	240
ttgaagatgc	agaaagaagt	aggatcatcg	gtccagtcac	cggtgattgt	atgctga	297

<210> 15140

<211> 1167

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (118)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15140

gccgctaacc	ccacggagtt	gccgatagga	gattcgcctg	atttggtttt	ggccccgcc	60
acaccagagg	aacggatcaa	gtccatcagg	ctcaacagta	cagcatggaa	gggctgntg	120
gatgtcgaga	cgtacatcgc	aagagagaac	catttgtatc	agcagcgatt	ggatgaaggat	180
ggcttgacct	gttggttctt	ggttgaccgt	agggagccgg	aaggccagcg	gacgatcttg	240
agttcttggt	agacatacaa	gaagaaggct	ttgctggctc	accacggcaa	ggatggaagat	300
attgctaccc	atggagtcgg	gagcgtctat	tgtcgacctg	agcacagagg	caaagggttac	360
gcaaagagaa	tgatgcagga	attgtgcacg	aagctggaga	catggcaaat	ggaaaacgaa	420
cccagaagta	gatcactctt	cagcgtgctg	ttttcggata	tcggaaagaa	cttttatgcg	480
caatttgggt	ggaaaccggt	tccttcttcg	cacatttctc	ttccacctat	ctccagggaa	540
gaatatgatc	tgtcctcacg	ggcaaactca	ccaaaggcga	gaaccttggt	tgccgatgac	600
gttcgcaaat	gcatgtgtag	cgatcgagtc	ttacagaaag	aacgggaatc	cctgcgtgct	660
gcttccgaga	agaccccgat	tgcccacgta	gcaattcttc	cggactttga	ccatttcggt	720
tggcactggg	cgagggaaga	gttctatgca	gagaagcttc	atgatgacca	agccccgccg	780
ctaatacagg	gcgctggtga	ggataaggca	aaagtgtact	gtgcatggaa	cagaaatttt	840
ggcgagacac	ctcaggacaa	cactttgttc	attttgcgat	gggtatatga	tgaaccgacc	900
acgccggaag	agactgaagc	gacagcaaag	gcaatggctg	ctatcctgag	gagggctcaa	960
ctcgaggctc	acgaatggga	tatggcaaag	gttgatgtct	ggaacccaac	tccactgttg	1020
cagaaggcag	ttgccatgct	agattcccca	gcagagctgg	ttcaccgaga	gaaaagcagc	1080
attgctagct	tgaggtggac	gggcgcgcga	caaggcttag	gcgaagaggt	tgaatggctc	1140
tggaacgaga	agtatgcctg	gtgctga				1167

<210> 15141

<211> 222

<212> DNA

<213> A.fumigatus

<400> 15141

tcagccagtt	gtttttgttt	tgaagcctat	cacagagtta	ctgatttcct	acaggagaaac	60
tcctacgggc	atccagacca	aacaacaatc	tacttcgtca	acaacatcga	cagacataaaa	120
atcaagaaga	atatctcgac	agatgccaac	accgccgcgg	tagccaaaaa	gtcacgaaat	180
tggcataaac	tgttcaggaa	ccaaaaaaga	cagaagaatt	ga		222

<210> 15142

<211> 1602

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1544)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15142

ccgatctggt	actggtcggc	agagatcgat	agagggggcaa	aatgtatcgt	gcagatgaaa	60
ggaaaccaga	ccattctcgt	accaccgcca	ggtgctgatg	agaaatcgcg	aaaagctggc	120
gggaagggtg	cggtggaggg	gccaaagacc	ttcgcccttg	acaggtcgta	ttggtctttc	180
gacaagaatg	ctcccaatta	tgcgggtcaa	gataacctgt	ttgcggattt	gggtgttcct	240
ttgctggaca	atgcgttcca	aggctacaac	aactgtatct	tcgcatacgg	tcagacgggt	300
tccggaaagt	cttactcgat	gatgggatat	ggcaaggaat	acggtgtgat	cccgagaatc	360
tgccaggaga	tgttccagcg	catagccaag	atgcaagaag	acaagaacct	caactgtaca	420
gtcgaagtgt	cctacctcga	aatctacaat	gaaagagttc	gcgatctgct	caacccttca	480
aacaagggtg	acctcaaggt	ccgtgagcat	ccgtcaaccg	gtccatatgt	cgaagacctc	540
gccaaacttg	ccgtgcgctc	tttcgaggag	attgaccacc	tgatggacga	gggtaacaag	600
gctagaaccg	tggccgccac	gaacatgaac	gagacctcca	gtcgatcgca	cgccgttttc	660
actctgacct	tgacgcagaa	acgtcacgat	gccgagacct	cgatggatac	agagaagggt	720
tctagaatta	gtctggttga	tcttgccggt	tcagagagag	caaactctac	aggggccact	780
ggcgcccgtc	tgaagaagg	agcggaaatc	aacagatcgt	tatcaactct	tggtcgtgta	840
attgcagctc	tcgcagacgt	tgccctctggc	aaaaagaaga	atgcttcaat	gggtcccatac	900
cgtgattcca	tcttgacctg	gttgttgaag	gattctctgg	gaggtaattc	aatgacagca	960
atgattgcgg	ctatatcgcc	agccgatatc	aacttcgatg	agacactcag	cacctccgt	1020
tacgccgact	cagcaaaaacg	gatcaagaac	catgctgttg	tcaatgaaga	tccgaatgcc	1080
agaatgatcc	gagaactgaa	ggaggagtgt	gcacagctca	gagctaagct	gggaggcggc	1140
tcgactgctg	gagcagctgg	aggaatgcct	gcggaggagt	actatccacc	cgacacgcct	1200
ctggagaagc	agatggtttc	gattcagaag	gccgacggta	ctattaccaa	ggtcagcaag	1260
gcagagatcg	tggaaacagtt	gaaccaaagc	gaaaagctct	acaaggactt	gaaccatacc	1320
tggcgaggag	aaattagaga	aaaacggagc	ggatccaccg	ggaaacgtga	tgctgcgctt	1380
gaaagaactc	ggtatcagta	tcgaaaaagg	cttcggttggc	ttgagcactc	cgaagaaaat	1440
gcccatTTtg	tcaatttgag	tgatgaaccg	gtacttgctg	aatgtctggt	cttacatatt	1500
aagcctggaa	ctacaaccgt	cggaaatatt	gagcaaggaa	attntggttg	agatcacgtt	1560
gaatgggctc	cagatatctt	ccaaaacaat	tgcccatTTt	ga		1602

<210> 15143

<211> 297

<212> DNA

<213> A.fumigatus

<400> 15143

cggaaTTTTt	gtggggccaa	tggccgggtt	actatacaaa	ccgggttttc	caacccaact	60
ttgttcatTC	aagtTggttc	aaaattcgga	attggggccga	accgtattga	ggaagtttcc	120
agtaaaaata	taacgccatc	gatggcccg	ctttcaggtc	ttcagaggga	ggtcctgtct	180
ctctatagaa	agtgtctgag	agaaatcagg	aaaaagcctt	cagtgagttt	cctctttagt	240
ctacatgatg	aacttgtcag	taaagcatTC	ttttggctga	ttgaatcgat	actgtag	297

<210> 15144

<211> 591

<212> DNA

<213> A.fumigatus

<400> 15144

actacaaaca	tggcattccc	acgcttttcg	accgacctag	ctcccttggt	ccagctgtta	60
gatgactacg	atacccatcg	tacctatcgc	ccaaagaaca	aggtcacacc	tgtccggaca	120
ttcgcaccca	agttcgatgt	gtgtgagttc	ccagatggat	atcgtcttga	cggagaactt	180
cccgtgttca	accagagcga	catcgagatt	gagttcagtg	accctcagac	tattgtgatc	240
aagggtcacg	tagaacgcaa	ctacaacaac	accgctaccg	agaccgggga	cgacagctca	300
tccaccaagt	cccgtcaacc	cacagttgaa	gacgaaaccg	aagagggcaa	cgctctgtct	360
gctatcgcat	cgccggctaa	gccagctgag	caaactgtta	caaattcacc	gaccagaca	420

aactacaagc	tctgggtctc	tgagcgctca	attggcgagt	tccaacgaac	cttcgccttc	480
ccaaccagag	tgcaccaaga	tgctgtcaaa	gcaagtctga	gaaatggaat	cctctcgata	540
tttgttccaa	aggaggcggc	gcccaagttg	aagaaaatcc	gcgtcgagta	a	591

<210> 15145

<211> 234

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (156)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15145

aatttagtaa	cactagtcgg	ccatgcagat	tccaattttt	ttgttcacaa	agttacatac	60
ttcaggcaaa	tagtgcagat	ttatgcagtc	atggcctttt	ttccttccct	tctttctttc	120
ttttttgttt	tttttttttt	tttttctttt	tttatntggg	aaacgccagg	aaaaattgcc	180
gaaggggttc	tagaagctat	gtacttcatg	gggatacgca	accacactca	ctag	234

<210> 15146

<211> 729

<212> DNA

<213> A.fumigatus

<400> 15146

aaggcccata	atcgacatt	cggtcggata	ttttcggcgg	tcatactttt	ttcgaaaaaa	60
gggccctcga	gtaacgaacc	tcgcgtaaca	ccgaacgcat	atgtgtccac	catgccgccg	120
aagactggac	gaggacgtaa	agcaattggg	gctcctcgaa	cccaacctcg	agatgacgga	180
ggtgcaggtc	catctaacgc	tgccggtaca	gcatcaoctt	ctactcgggg	acagccgccc	240
aaatttcgcg	ggggaacaag	gggggaaaag	cgaccagccc	acgccccgag	gccgtcagac	300
gtccaacgta	tgtacataaa	tgactcctta	cgcaggcata	tcaaaaccta	tgcaatagca	360
ttatcgctaa	taccgtacca	gctggggacc	ccaacccctc	aaggctcgccg	acaccggtac	420
aagccgggaa	ccgtcgcat	gaaagagatc	cgcagatacc	agcgctcata	tgacctcctt	480
attcagaagc	taccctttgc	gcgactcgta	cgcgaggctc	cattggaact	tcttcccgcc	540
gaagtaggcg	cggagctacg	gtggcagtcg	cacgctattc	aggcgctaca	ggaggccgcc	600
gaagctttcc	tcgtacacct	tttcgaggat	accaatctct	gtgctttgca	tgctaagcgt	660
gtaacgatta	tgcagaaaga	tatccagctc	gcccgaagaa	tacgcggtat	ttggggcggt	720
ctgggttga						729

<210> 15147

<211> 567

<212> DNA

<213> A.fumigatus

<400> 15147

tggcagtact	ggcgacttct	cacaacattt	ctctacttcg	gtccattaaa	tctcgatcta	60
ctcttccatg	tctttttcct	tcagcggtag	tcgcgactcc	tcgaagaatc	ttccggccga	120
tcccccgctc	atttttcatg	gctattgttc	tacgcgatga	cctctctcct	cctcatttca	180
ccgtttctct	ctcttccatt	cctcggcacc	gccctctcct	ccagcttggt	gtacatttgg	240
agccgcgcga	accagacac	tggaactcag	ttcctcggca	tattagtctt	cactgcgcca	300
tatcttccct	gggtcttgat	ggccttcagc	ttggttgtgc	acggcattgt	acctaaggat	360
gagatttgtg	gcattgttgt	cggccacatc	tggtacttct	ttaatgacgt	ctacccgtct	420
tttcacggcg	gccatcgccc	cttggtatccg	ccgcgatggg	ggaggcgaat	ctttgatccg	480
agagcagcag	ctggagaggc	acaaagaaca	gacacggata	atgtgaaccg	tgatttttgc	540
gccgcggccg	cccctgaggt	ccgatga				567

<210> 15148
 <211> 510
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (32), (33), (34), (42)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15148
 aaggggaaccc cgggggaact cccccgggga annnagctcg gngggacctt ttactgtgca 60
 ccgccaagcc gggggccatgg tcatagtcac tgcacgagca gcattgaggt gccgcctcag 120
 acaacaccgt ctgacctaga cctgctgcac aagtggatga atgaccgcg cgtgagtga 180
 gcttggggag agggaggtcc aaaagaaaaa caagagaaat tccttcgcaa taatcttacc 240
 agccgtcata gctttcccggt tattggatgc tgggacggca agccgtttgg gtactttgaa 300
 atctactggg tcaaggagga tcgcttggga gcgcttatcg gaggagcgga caattatgac 360
 cgggggattc acttactggg gggagaacag gaataccgtg gatctcaccg ggttgccatc 420
 tggctcagtg cattggtcca ttactgctgg cttgccgatc cgcgagcgca gacagtcag 480
 ctggagccac ggggtggacaa tgagaagtaa 510

<210> 15149
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 15149
 ttctatctgt acagctcttt ttctactaca attcccatat actgctacta ctactactac 60
 tactactaca tctcgttttc tcagctgttc agcgtaact acatctacaa gcccctcttt 120
 cactcacccc accatgtctc ctccagcaat tatagctccc tccatcctca gcgcggattt 180
 cgcagtcctg ggcaatga 198

<210> 15150
 <211> 486
 <212> DNA
 <213> A.fumigatus

<400> 15150
 ctagctagga ttggcatctt tccagaaagc tctccctgct gtaattctat ctgtacagct 60
 cttttttctac tacaattccc atatactgct actactacta ctactactac tacatctcgc 120
 tttctcagct gttcagcggt aactacatct acaagccct ctttactca ccccaccatg 180
 tctcctccag caattatagc tccctccatc ctacgcgcg atttcgcagt cctgggcaat 240
 gagtgtcaa caaagatcgc gcagggggcc gattggttgc acgtcgatat catggacggc 300
 cactttgtcc ccaacatgac ctttggcgcc cctgtggtca ccaagatccg gtcccatgtg 360
 gaccgccccaa cccaggccct tgggaagggt acttttgact gccacatgat gataatggag 420
 gtgggcgcac atccctcaca accaatctac accatccaga gcagtctcct gagagaaaca 480
 cgctaa

<210> 15151
 <211> 264
 <212> DNA
 <213> A.fumigatus

<400> 15151
 atggttcttg tcattgacagt acaccccggt tttggaggtc agaagttcat ggcctccgag 60

cttcccaagg	tgaaggctct	ccgtgagcgg	taccgcgcatc	taaacatcga	ggtcgatggg	120
ggcttggggg	tgggaacaat	tgaccaggct	gcggatgccg	gtgccaatgt	tatcgtcgct	180
ggttcggcgg	tgtttggcgc	tcaggacccc	gccgacgtca	ttgcgaagct	gcgcgaagct	240
gttaacaaac	gccgccagac	ataa				264

<210> 15152

<211> 216

<212> DNA

<213> A.fumigatus

<400> 15152

acatttgttg	atgtggttgt	tgcttgtctc	aaccccggtt	caggcattcc	ggctggtctac	60
ccccacggat	ggatctaccc	cacgtccca	gtgaaggcca	cgaccctagc	ccttatcagt	120
gaccagattg	ccatcgtcgg	actgacgtcg	accgccagcg	ggagcagcgg	tgatgtcgac	180
gctgcttatg	ttattttccc	cttcttgttt	agctag			216

<210> 15153

<211> 363

<212> DNA

<213> A.fumigatus

<400> 15153

gagaaacacg	ctaactctcc	tccacagccc	cataaatggg	tcaaggagtt	caagtccgcc	60
ggatgcgatc	tttactgctt	ccactacgag	gcgcgccatc	cctccgtcgc	tgcaatgacc	120
ccagaagaca	aggagaccag	ccgtttgaca	agcccgagg	aactcatccg	ctatatccac	180
gacgagggca	tgcaggcggg	cattgccatt	aagccggata	cccccgtcga	cgtcctctgg	240
gatatcctgg	aaaacaaaga	tgagaaggaa	cggcctgatg	taagtcttca	ttattcggat	300
acgcataggc	tactgggttt	cataactaac	gatcactggt	gctgtagatg	gttcttgtca	360
tga						363

<210> 15154

<211> 450

<212> DNA

<213> A.fumigatus

<400> 15154

cgaattcttg	gagaaaaagg	aggagcaaca	attcgcttcg	gtatcaccag	ataccaaatt	60
tccaacttct	cctttgtatc	gtcatcagtt	tcccctcttt	ttcctacaca	ttgcaacctc	120
agcatgtccg	actctactct	ctatctctac	acctccctca	ctgcgggggtc	atccacatt	180
gtcacgccca	ctgcacgggt	ggagacgatt	ctgaaggcca	acaaaattcc	ctttcgcgca	240
attgacgtgg	ctactgatga	tgccgctcgt	aagctgtggg	gccgtcgttc	caagggtaaa	300
aaattgcctg	gattgggtgaa	gtttggcact	gttgtcgggtg	taggtctttc	tgatgcccc	360
ctgatgaaag	gaggcacagc	tatgcgaagg	agctacgtga	ctaatagttt	cgcccatgta	420
ggatctagag	gacatcgagg	agtggaatga				450

<210> 15155

<211> 318

<212> DNA

<213> A.fumigatus

<400> 15155

tgttacagat	gtggattccg	acttgagcga	cgagtgcact	tcattctcaa	gctcccgacc	60
gacgagcctc	acatctccca	ctacaaggaa	ttcaatgact	tcgcctctaa	atcggaatcg	120
gtaccctcagc	ctcacaatac	catcatcgac	cgcgtggccc	tcgctacaca	atgtgccaaa	180
gagctctcca	gttcctccaa	caccgcgcgc	gaagatacca	gtctcacctg	ctgctttgtc	240
catgcttgcg	agaacagtac	cggctctgaa	tgcacctcca	tctttggatg	gcagtgtaac	300

ttcggaccag gtctctaa

318

<210> 15156

<211> 600

<212> DNA

<213> A.fumigatus

<400> 15156

gatctagagg	acatcgagga	gtggaatgag	tacgggtgagc	tgaggatgca	catcgatagc	60
gtggaagatt	tcgacagcat	tccctgccacc	agctaccctc	tgtctacctc	ccagacgaac	120
actggatctg	ccacccctgc	tacccacacag	cctccagcac	aaagcgcaac	cccgaagcaa	180
agcacaatta	aaatccagag	cccaccggcg	aaggagcaaa	aggatgattc	cgtgacgctt	240
gccttgcgac	aggcggggcg	ggagggtgcg	gcaaaggcca	aaggcaacac	gagcgcagat	300
gttaagaaag	acaacacctc	cgcagattct	gaacagcaga	agggagagcc	ccctagcagt	360
ggggagaata	aagaaggaga	agaaactgta	cgtcggcact	cgggtggttc	tgcggaatt	420
gtcgggggat	gtggagggcg	tccacctttg	agagtgcgcg	agtgcgcgcg	agaatcgtct	480
gccgatttcc	gtgctgataa	tgctgaagct	ctagggttag	ttcaacatca	ccgcggctct	540
attgtctccg	caacttcccc	agaggaaatg	gagaagtggg	tcaagaatag	cgcaagttaa	600

<210> 15157

<211> 1146

<212> DNA

<213> A.fumigatus

<400> 15157

cggaaccaac	aggggatacc	gcagcacagg	atggctgacg	cttctcggac	ttcaatgaga	60
tgtccgcttt	ctcggcaggt	ccgagggacg	aaacttaata	ccataatcga	ggaagcaagc	120
gagagtctgg	actcggacaa	agttgagagc	aatgggtgtg	ggttacattc	aatcacctca	180
ggcccgacgc	tgaagctcat	gaccgccggt	ctttctagcc	tttcaactctc	aaagctgaat	240
cgtcttcgct	cgccgttatc	agcaggcacg	acgtcatctt	gctcggacac	ggaatggcag	300
cgacagatgc	agagcttgga	tgatctgtat	gatgttacag	atgtggattc	cgacttgagc	360
gacgagtgca	cttcattctc	aagctcccga	ccgacgagcc	tcacatctcc	cactacaagg	420
aattcaatga	cttcgcctct	aaatcggaat	cggtagccca	gcctcacaat	accatcatcg	480
accgcgtggc	cctcgtctaca	caatgtgcc	aagagctctc	cagttcctcc	aacaccgccc	540
ccgaagatac	cagtctcacc	tgctgctttg	tccatgcttg	cgagaacagt	accggctctg	600
aatgcacctc	catctttgga	tggcagtgta	acttcggacc	aggtctctaa	tagcagcgag	660
ccaataactc	cagacttgca	gtcccttcca	gatgccgact	gggacgcgga	catgcatgtg	720
cggccggaaa	tgatgaacag	tcgacatgcg	gacattgaca	ccgatgggat	cgacccccaa	780
gttcaaagca	ttgagatagc	cattgagaaa	ccgatgaag	attggccact	cgttctctgc	840
agctttcccg	ctattcccaa	ccaatctaac	ttggcgctcg	aatgtggtat	tttctctcct	900
gaagatgccc	ttctcacttg	gaagcacacc	ccctggggcg	gcacacggaa	ccttggtcat	960
aaaaatttgt	tcaaaagaag	aaagtggcgc	ttcaactact	tggtgaacgt	tcctcccgcg	1020
ccgataatag	aattccgtct	ctgcgctctc	cggaatagct	tatatggggc	catatacctt	1080
tccccggagg	gatctttggg	tcacttgttg	ccggggccct	cccatgggtc	gaatcaaaaa	1140
aaatag						1146

<210> 15158

<211> 195

<212> DNA

<213> A.fumigatus

<400> 15158

ttcaacatca	ccgcggctct	attgtctccg	caacttcccc	agaggaaatg	gagaagtggg	60
tcaagaatag	cgcaagttaa	tattcggggc	tccaggagga	atattagcgg	tttggaagac	120
gaacatgcgg	agcggcaaga	caagatgaga	caatcgtgga	agattcagaa	cggcgaggag	180
aacaagaatg	gatga					195

<210> 15159
 <211> 573
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (530)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15159
 tcgcccaccc aaaactcctc attatgtttg aactccagtc aagtccgcca atacctcgac 60
 acattcgttc gcaccgccta cgaaagctac gtgctcgggt tcccaacctc cgaccacctc 120
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<210> 15160
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 <213> A.fumigatus

<400> 15160
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 gatttgaagc tgtttgtag caacattggc aagcctgtaa gcggggagtg tgagttgcag 240
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<210> 15161
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 15161
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 gcctacgtca actacaacac actaagtttt cacctctcgt cacaaacaaa ttccacatat 180
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<210> 15162
 <211> 1479
 <212> DNA
 <213> A.fumigatus

<400> 15162
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 gaggcatctgg acttgctctg cacatatagt gacaatcaac gtgcacgatc gcgaaagaat 180
 gctctccgtc gaggaactgt gatttctgaa taaaaaatcc ctttcgcgcg ggaactcaag 240

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<210> 15163

<211> 222

<212> DNA

<213> A.fumigatus

<400> 15163

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tgtttctcta gcgatttcga aagcaatggg tggaagcttc ttgataacct ctctgtgttc 180
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<210> 15164

<211> 1149

<212> DNA

<213> A.fumigatus

<400> 15164

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<210> 15165
 <211> 183
 <212> DNA
 <213> A.fumigatus

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aag	183

<210> 15166
 <211> 579
 <212> DNA
 <213> A.fumigatus

<400> 15166	
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<210> 15167
 <211> 1335
 <212> DNA
 <213> A.fumigatus

<400> 15167	
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tccaaggccg tggagaaatt tgggtgtcaag gaatttccta cctcgtcct agtccctggc	540
ggcgataagg agcccatcat ctacgatggc gaactcaaga aacaagccat cgtcgagttc	600
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ggtgaggggt	cgaagagcaa	gttgccagat	ggtgttattg	tcgagcagaa	ggaggagggg	1260
gatgtagagg	ccaaaaaaga	cgctgataaa	gagaatcttc	accacgggac	ggccggaccg	1320
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<210> 15168

<211> 186

<212> DNA

<213> A.fumigatus

<400> 15168

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attcatgaac	gcattcttcag	cttccccac	gctatggcgt	attcggctac	agctttgttt	180
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<210> 15169

<211> 1590

<212> DNA

<213> A.fumigatus

<400> 15169

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tggatgatct	tgcagtatct	tgacgccagg	gatattgtac	gatgtcgtcg	ggtttcaaaa	180
cattggaaaag	aagcattttac	caaccagag	tatcttgttc	gcctgttgat	tcgactgttt	240
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gcgggtaggg	gaaagatctg	cggaacagag	aaattcgtga	taggtgaaaa	tgcaaacgcg	1560
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<210> 15170

<211> 669

<212> DNA

<213> A.fumigatus

<400> 15170

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acctcgtggg agacgtctgc tccgaacaag gggtggtttg agaggggtcaa gggtcgggtt 660
attggctaa 669

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<210> 15171

<211> 393

<212> DNA

<213> A.fumigatus

<400> 15171

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cgcagcgcgg cgtgccctac atcagcgtgg ccttcaccgc cgcgttcggg ctctcggct 180
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tgggcgcgcg caatatctcc cgcgataccc tgccgtacaa ggccatctgg cagccgtggc 360
tcgctacta cgggcttttc ttaatatcc tga 393

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<210> 15172

<211> 408

<212> DNA

<213> A.fumigatus

<400> 15172

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cccgcaatgg ttcgccaaag tcacgcagcg cgcgtgccc tacatcagcg tggccttcac 180
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ccacattgog ttcatgcgcg tgctggcgcg gcgcaatct tccgcgcgata cctgcccgtg 360
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<210> 15173

<211> 534

<212> DNA

<213> A.fumigatus

<400> 15173

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tcagaaaacg caaacaccat gctcacatgc gccgagcgt cactcttctg cacctcgtgg 360
gacagcgcgg accaggagga cgagtacccc cgggcaaaga atccatacac aatgcagaag 420
gcatacagcg tcgcgatgtg gttcgccaac cccacagca ggaaaacaga cgccacggcc 480

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ccggcggacg agagcaagat gcacttcgtg acgtggtgtc ggtcagcgag gtag

534

<210> 15174

<211> 309

<212> DNA

<213> A.fumigatus

<400> 15174

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ctaactctag						309

<210> 15175

<211> 765

<212> DNA

<213> A.fumigatus

<400> 15175

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gagaccgagg	agcacacggc	tgccgctgta	gacgttgagg	ttggcggcgg	agaggacgac	720
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<210> 15176

<211> 1128

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (487), (531), (539)

<223> Identity of nucleotide sequences at the above locations are unknown.

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gagcgctcgg	cgcattgtgag	catggtgttt	gcgtttctgg	agacggggcg	cggagtcggg	960
aatgtgatca	gtgggccgct	gagcgaggcg	ctgctgaagg	ttggagggtg	gaaggccggg	1020
gcgtttgggg	cgtatgggtc	cgagtatggg	gtgttggtgg	tgttgacggg	ggtgacggcg	1080
tttctggggg	ggtttgctc	catggcgaga	atgtttcgat	ggatttga		1128

<210> 15177

<211> 267

<212> DNA

<213> A.fumigatus

<400> 15177

tgtctcacca	tatacgcccc	gcccacgctc	tccgtcacga	tcatgatgac	aaagaacggg	60
ctgatgatca	acgccgtctt	ccaatacatg	atgaaggcca	cgacgaacgc	cgcgacgaac	120
gtggcgatgg	cggtcagcat	caccgccage	ttgctcgtga	ccgcttcctg	gactgtcccc	180
atatccgaca	tgatgcggct	cgtgatctcg	ccggggccca	ggagatcgaa	gaacgccata	240
ttctggcgca	agatggcggc	gagatag				267

<210> 15178

<211> 1461

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1421)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15178

agagacacag	gagtattccg	ggagtactca	gttatcctaa	gttctcccc	cacggagtcc	60
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ctgaatgcgc	cggacgacat	tcgcctgata	caactcgccc	aggataatga	gtccacggag	180
atcacaccag	cctctcttgg	ctcgccaaaa	gcgtttgagt	tcttgttgca	aatgcttcgt	240
gogtcggctt	caggagccaa	gtgcgcagtg	aaactgattg	tgcccttgca	ccgtgggttt	300
atcgttcgct	ccgacatcat	tccactgcga	cttcgcgact	cggaatatgt	cgagtcggca	360
gtgtcctttg	cggagccgct	gcagacttac	agtgggaaga	aagttgctat	ttccagtcgc	420
gcggaacctta	cgacatactt	tgcggccgcc	gcagccggtc	tgattcttcg	tcaaggctct	480
acgcattgctt	cagatgccgg	atcgcaagcg	ctctttcaga	tggtcgagtc	cgacctggca	540
aaccgactct	cgttttcggg	gatacagcca	ggaaccccc	gacgccggac	gcttgcatata	600
gtcgacgcaa	atagctcgca	tccccaagac	ggactgggct	tttaccgtgc	ggcgagggag	660
cttggaatca	acgtggctcg	gctggagaat	gcaggacact	ggctggaaga	cccggcccag	720
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gcgcgcggcg	actcgatgcg	tatcgccacg	aacaagtctc	tgacaagcaa	atatgtcggg	960
catgacgcct	atctcgcatc	gaatgtggag	gaggcgctca	gaatcgcaaa	ggagggttgcg	1020
ctcccatata	ctctcatcgt	caagccctgc	gatggctgga	gctcagaagg	agtgtcccgc	1080
gtcgagtccc	ctgatgcatt	cctgcgcgcc	atcaagtcga	tcgatacgtc	gcgccacggg	1140
accgagtttg	tgatggagcc	atactgcgac	gggcccgaag	tggacgtcaa	ccttgtccta	1200
ttggacggcg	aagtcctttt	cgccgagatc	tgcgacgacc	tacccaagtc	cgccgacgtc	1260
aatgggctga	ctgtgggata	cctgaccaat	ttccacgagc	tctacagcgt	gtacccatcc	1320
gcgctgccgt	ctaaggagtt	ggaactgctc	atccatagct	ttgtggacac	tctcctgcgc	1380

ctggggattc ggaatggggt gatgcatctg gaggagcgcg ntcagaactc tcgatggaat 1440
accgcgagca gaaccggatg a 1461

<210> 15179

<211> 978

<212> DNA

<213> A.fumigatus

<400> 15179

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gaactgcgct	ccaaaaccgc	cacgtttagt	ctatactatg	tctatctcag	catcggcctg	180
tttgcccttc	cctacgtcgc	gacggtgggg	ttctattaca	ccggcgagcg	catggcccgg	240
gccctacgga	ccacctatct	cgccgccatc	ttgcgccaga	atatggcggt	cttcgatctc	300
ctggggcccc	gcgagatcac	gagccgcata	atgtcggata	tggggacagt	ccaggaagcg	360
gtcacgagca	agctggcggt	gatgctgacc	gccatcgcca	cgttctgcgc	ggcgttcgct	420
gtggcccttc	tcattgtattg	gaagacggcg	ttgatcatca	gcccgttctt	tgtcatcatg	480
atcgtgacgg	agacgttggg	cggggcgtat	atggtgagac	atcacaagcg	ggcgatggag	540
ctgtatagtc	aggctgccgg	gattgccgag	gaagccatcg	ccgcgatcaa	gcatgtcacc	600
gcgttcggga	tccagaccct	cctctcccag	cggtatctgt	ccgtgttgga	gcaagccggc	660
caaggccgac	cgaaaggccg	agaacatggt	agcgggcatg	attgcgtgga	tgaacgccat	720
gccgaatctg	atctacgctc	ttgcgttctg	ggcgggctcg	atctatctga	cccagggccca	780
gatgtccgtg	gcggaagtga	gcgcgacgac	gttgcccgctc	acgatcggtt	cctttgccat	840
tatccgaatt	gccccttcgc	cacaggccct	gctgtccggg	atcgcaatca	cgggggaaat	900
cctgaagtcg	atcgcgagac	gatcgccgca	agatccactg	gtcaaggaag	gcgacgagcc	960
ttcgaccgtc	gtgggtga					978

<210> 15180

<211> 609

<212> DNA

<213> A.fumigatus

<400> 15180

gacatcacia	gcgggcgatg	gagctgtata	gtcaggctgc	cgggattgcc	gaggaagcca	60
tcgccgcgat	caagcatgtc	accgcgttcg	ggatccagac	cctcctctcc	cagcggtatc	120
tgtccgtggt	ggagcaagcc	ggccaaggcc	gaccgaaagg	ccgagaacat	ggtagcgggc	180
atgattgcgt	ggatgaacgc	catgcccgaat	ctgatctacg	ctcttgcggt	ctgggcccgg	240
tcgatctatc	tgacccgagc	ccagatgtcc	gtggcggaag	tgagcgcgac	gacgttggcc	300
gtcacgatcg	ggtcctttgc	cattatccga	attgcccttt	ccgcacaggc	cttgctgtcc	360
gggatcgcaa	tcacggggga	aatcctgaag	tcgatcgcca	gacgatcgcc	gcaagatcca	420
ctggtcaagg	aaggcgacga	gccttcgacc	gtcgtgggtg	acattgtctt	ggaccgcgtc	480
ggcctcatct	atccttcgcg	cgatgacgtt	gatatcctgc	aagatgtgtc	tctgaggtgt	540
gcggccatga	agaagacagc	cattgtcttc	accacggggc	tggaaggatc	gacagtggtc	600
agttcaaaa						609

<210> 15181

<211> 324

<212> DNA

<213> A.fumigatus

<400> 15181

accctccttt	gcccagtgat	gttcagctcc	atcggcgaaa	agactctgta	catcttcgcc	60
attagcaacg	tcatacacaat	ccccatggtc	tgggctctgt	acccggaaag	taaccagcgg	120
acgctggagg	acatggatct	gcttttcgcg	gcggagacgc	cgtgggtgtg	ggatgcggag	180
cggacctttg	cgccctcaa	agctgagaac	cctgggtata	ttgagactgc	cgcccggaag	240
aacagtctcc	tggattctga	ggctgggtgc	ggtaagcccc	ctgctcaaac	aaccagcat	300

gaggaaaatg tgtcgtctga gtag

324

<210> 15182

<211> 297

<212> DNA

<213> A.fumigatus

<400> 15182

gacaacctca	ggatggccca	gacacaggaa	acagcccgtg	cgccaggctt	tagggcgcca	60
aaggacgcaa	tcttgtcacg	gcggtacatt	gagggcaca	tcgctgatgg	caaacatata	120
atcattttcg	atgatcgagt	gctcaaggct	gatgcgtgga	tcaaatttca	cccgggagga	180
gacaagtcta	ttaaacaacat	ggttggccgg	gatgcgacgg	atgaaatcaa	tgcgtacggg	240
ttccgaggaa	tccaagacga	tagtaacctg	caacgactga	catccgcttt	tgtatag	297

<210> 15183

<211> 849

<212> DNA

<213> A.fumigatus

<400> 15183

catccgcttt	tgtataggct	gcattcatca	gaggcacgcc	agcgaatggt	gtctttccag	60
atcggtcgca	tccagggacc	gtggttgaac	tttctccctc	ccatccaggg	cggaagttc	120
cgcccatata	caggcgagac	atgttcaagc	gacgaggaca	gcacagatca	ggatatctca	180
cagccccctt	ctccagtttt	tgatgcagca	gacgcaggag	acaaagcacc	aagagtccgc	240
cgccgaagga	aatcagcaac	aatttcggat	acatcagtct	caaccacccc	cacagaaggg	300
ttcgagccga	aacccttctt	ccttgatgcc	cgaactcaag	aagagatcat	ctttgatgtc	360
gccaagtacc	cgtccctcga	cacggcgaac	caggaagaaa	tcaagcggaa	ataccgcgaa	420
ctgaatgagc	ggatccgcgc	ggaaggctct	tacaattgca	actattttct	gtactttatt	480
gaatgctgtc	gctacactct	tctcgctacc	ctgtcatata	cctttcttcg	cctaggggtg	540
tatgggatata	cgcccttcct	tctaggggtg	ttctggcatc	agctcggttt	cacagcccat	600
gatgctggcc	atatgggcat	cactcactat	tttcatgtcg	actcagtcac	tggcatcatc	660
attgcggtat	atttaggcgg	cctgagcctg	ggctgggtgga	aacgaaatca	caatgtccac	720
catattgtca	ccaatgctcc	agagcatgac	cccagacattg	agcacatgcc	tttctttgcc	780
atatcacatc	gtttcttgac	gagtcgtctt	caccacgccc	cgctggaagg	atccgaactt	840
gcgcaactt						849

<210> 15184

<211> 345

<212> DNA

<213> A.fumigatus

<400> 15184

tttggctgac	agaaccacgc	ccaagacaac	ggtatgaatt	gcactcccta	catctcggtt	60
ctgattgcta	attgctgaca	ggttacaaag	tggtcggctc	acgcttcctt	gattcaaatg	120
gacgatgctg	actggtggac	taggtttttc	aagaacggcg	ctcagatcaa	cacgcccata	180
gatgttgaga	tagcgcaatc	cattgacaac	aacctagaac	cgtggccaaa	tgcttggggac	240
agcctagaag	ccacggcgta	tctccatgct	gaagctcttc	agacgattct	gcctcggtat	300
accgaggcgg	tttggaaacta	tgcggtgagg	atcttgccac	cctga		345

<210> 15185

<211> 294

<212> DNA

<213> A.fumigatus

<400> 15185

aaatccaccg	tcctagctg	gtcaagcccg	cgtccattca	tgtatactcc	tttgcattgg	60
------------	-----------	------------	------------	------------	------------	----

gtcggagggtt	tgatctttcc	cgagctatgc	cgctcgggtt	ggataaccga	cttcgctgct	120
gtaacagagc	aagtggaacc	gaaccctgat	ttcccaacag	tcgcattccc	aaacccggag	180
gagaatggat	ccctggactt	ggccatgcaa	tcagctgata	aagagggcaa	aacgctcatt	240
attgctaattg	accctgatgc	agatcggttc	gctgctgccg	agaaagttga	gtaa	294

<210> 15186

<211> 789

<212> DNA

<213> A.fumigatus

<400> 15186

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ttgtttgatt	cgcttgaagg	ccgacatgac	aatcacgcga	tagctgtgtt	gaactccgcg	120
gtctccacag	gcatgcttga	gaagatggca	aggtcaaagg	gcttccactt	tgaggaaaca	180
ttgactggat	tcaagtggat	gggaaacatt	gcccggagac	tagaagagtc	agggtaccat	240
gtaccttttg	ctttcgagga	agccctggga	tatatgttcc	cagatgtgtg	ccacgacaag	300
gacggtgtga	ctgctgctat	ggttttccta	gcagcgggaag	ctcgatggag	atctcagggc	360
ctcaccat	attcgaaact	acagcagctg	ttcaaggatt	ttgggtactt	tgaaacactc	420
aataagtatt	ccgatcacct	tagcccggaa	atcacaaaaa	gcctgttcgg	agccatcagg	480
aacgggcctt	accgaacaca	aaaatccctt	ggttcattca	agatcttgag	atggagagac	540
atgacagagg	gctatgattc	gggtactgag	gatcagaaac	cagcattgcc	aattgataaa	600
agtagtcaga	tggtgacct	atggctggac	cgagatgttc	ggttcaccat	ccgtggctct	660
ggcacagaac	caaaagtcaa	gggtaactcc	cacaacagga	acatgcgcaa	agcattgcta	720
attcacttcc	ttagtctaca	tcgaaagctg	cagtgtttct	catgctgcagg	ctgtggatgc	780
tgtctgtga						789

<210> 15187

<211> 594

<212> DNA

<213> A.fumigatus

<400> 15187

tgcattgagc	gattgctgat	ctcaaaacgc	agaatcccga	gacgcgggct	gaaattgagc	60
agctacagaa	ggctggagcg	actgcagagc	tcgagctgcg	tcttcggcag	cgtacgtata	120
ttctacaata	cgggtcctt	tgtctcctgc	accagccgoc	tttctaacca	cacaagtgc	180
ggcattcaat	tcggaacagc	cggccttcgt	ggctggatgg	cggcaggggt	ctcctgcatg	240
aactccctaa	ccgtcattca	ggcatcgcaa	gggttgccca	aatacatctg	agacaaacac	300
tccgacattg	cgccgaatgg	tgtggtcatt	ggccatgacg	ctcggcacia	ctctgctaaa	360
tttgcgtctc	tggcagccaa	tgcctttatt	gcgatgggaa	taccggctctg	gtattattca	420
aaaccacagt	tgacaccatc	agtaccattt	ggtgtgacgc	atgtgcgagc	tgcggctggc	480
gtcatgataa	ctgcaagcca	tgtatgtctc	cttacgattc	gcgcagtgac	aagagcaaag	540
agggtctgaca	cagatgattt	ggctcgacaga	accagccca	agacaacggt	atga	594

<210> 15188

<211> 453

<212> DNA

<213> A.fumigatus

<400> 15188

tgcccctacc	gtcaatatatt	actaatatgg	acactgggtt	acaggctcaa	acatgcccac	60
gctctagtcg	aggggaatgca	ccagcaccac	tatcatcaac	aaaccaccag	cacaagccac	120
tgcaaccgca	agggtcattt	ccactcctct	gaaggctgtc	cgcgctatct	tacctgccac	180
agtcacaccc	acgtccagca	gcacagacac	catcatcacc	atcaccatca	gcaattgacg	240
cactctacgc	attatgacgg	agcaagggag	acaagtcaat	cttgcaattg	cagtcattcg	300
tatgggaagtg	agactcgtgc	tcacagtggg	gggtaccggg	gttgtcgtgg	tttgacacag	360
gtgtgtctgt	gtcggcgggc	gtatggccca	ccgttgccgg	gtgggttgat	gtgcgtgggg	420

aggggaaggg tgggatgtgt ttgtaggaga tag

453

<210> 15189

<211> 351

<212> DNA

<213> A.fumigatus

<400> 15189

atacaaccac	acatcatggc	ttccccctct	tccaccccc	cgcatcaga	tgcccatgtc	60
aatggcaacg	ttcttcccac	agcatcagtt	cccaagctct	acggtagcgg	cgatggcgct	120
cagtctggtg	ctggcactcc	cattggcttt	caaaggtacc	cacacaacaa	gacctcgcac	180
aatgtagccg	gacgcaatgt	acgccatcca	tctcctcaac	ctactcatct	gggaattccc	240
ggtagtcccc	tacatcgggt	cctctctgag	gaagatcccg	gctacattgc	tgccaagtgc	300
gagggcaagc	agaagcagat	ggaacaaggt	atgcgttact	cgctcgctta	a	351

<210> 15190

<211> 1548

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1364), (1427)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15190

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ttgcctatag	tcatggacca	attagaagag	aagggcttct	tcccaagtga	tttcggttgt	180
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tacattgata	ccagcaaacc	tggcatttcg	tccgtcgatg	ggccccgtta	cgaacaaaga	420
attgacgcca	agtatatcaa	caactcgact	cccgaataca	gctacagagt	tgagactttc	480
cgttcgccaa	ctcctcttcc	tggagacagc	gagcagcagc	tccgttggtta	cttcggtttac	540
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gagaagagat	tcttgcagaa	ggcaaccgcc	aacaccaaag	ccatctacca	ggagatcatc	660
agcaatgcgg	tgaaccgggc	cggccctgtc	attgagatgt	tcgaaattga	aggcagtcgc	720
gagaagagac	tggttatcgc	ctatcgccag	ggctctgcta	tgggtctgtt	cagcgcgctc	780
tccgacttgt	accactacta	ccgcttgacc	agctctagga	agtaccttga	aaacttctcc	840
aacggcatta	cagtcattct	tctctacctg	cgccactga	agaatgcaga	gatctccgcc	900
aagtaccctc	caattgaggg	agccattcac	cagatcatca	aggagacctc	tcttctttac	960
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atcaacaagt	acccggaact	gatccacaag	ctctaccttg	atcttgccaa	caccattac	1260
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gtcgacgaag	tcttgacagc	cactagactg	aagcagctca	ttncagcac	cgttgctaac	1380
gagcacgacg	aaatggctcat	gagcgctttc	cgggtattta	acaactncat	tctaaagacc	1440
caactttttc	acgcccagca	agtggctttc	agcttcgcac	tgaattctga	attcctgccc	1500
cgacatgaat	accacacac	gtctgtccgg	cattgttcct	ggtattaa		1548

<210> 15191

<211> 591

<212> DNA

<213> A.fumigatus

<400> 15191

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gagctgacca	gacaattcat	gttcaagtgg	acggtcaatt	ggagatttgt	tggagaagaa	120
ctatttctat	cccggaagtt	ttccctggcc	ctattggcat	tgcaccttct	gctgctgggt	180
ctttttgttg	ccacagtatg	gctggagcgg	tggggtcaa	acctgccaa	cttcctgcaa	240
cggttaatcc	aacgacgtta	ccgcacagcc	tccctttcca	agtctttcgt	aatgacggca	300
atgctgtcct	cacttgcgat	tggctctgctg	tgcgcgagat	cgctgcatta	ccaattcttt	360
gcttatcttg	cttgcgccac	acctttcctt	ctttggcagg	cgggtttcca	tccgatactc	420
gtgtacgtcg	tgtgggcggc	gcaagagtgg	gcttggaaac	catatcctag	taccaacgcg	480
agttctctgg	ttgtagtcct	ctcactcgct	gctcaagtat	tgggtgtgct	cggcaactcg	540
ttcagtcgca	agcatctgga	tcagagtagc	cagaaagaac	atatgcgatg	a	591

<210> 15192

<211> 696

<212> DNA

<213> A.fumigatus

<400> 15192

agtgtcggga	ccattcctag	ctacctgaag	ctaacaattg	agccttcgaa	tgcagatact	60
gagatcgatt	ggacgacgta	catgcagcaa	gtctcactct	atatctccgg	cgagcgcgac	120
tacaccctga	tcaaagggtc	tacggggccc	ttggtttatc	ccgctgcccc	cgtgtacatc	180
tacaacatcc	tataccacct	tacggatgaa	ggacgagata	tcttcctcgg	acagattctg	240
ttcgccattc	tatatctcgc	tacattgacc	gtcgcgatga	cctgctacag	acaagctgga	300
gcccctccat	atctgctagt	acctcttggt	ctctctaagc	ggctccatag	cgttttcatg	360
ctgcgcctat	tcaacgacgg	aattgcggct	ttcgccatgt	gggtttctat	tttcttggtc	420
atgaacaaga	agctagctgc	tggagtcatt	gtatggtcta	caggcgttgc	catcaagatg	480
acgctgctgc	ttctagctcc	tgctatcgca	atggtgctag	tgcttagctt	atcttttggg	540
ccaagtatcc	gattaggatt	ccttgcgggt	ctcatccagg	taatgcaagt	gtcttttgct	600
cgaagaaaag	tcgctaaccat	ggcgggtagg	tcctatttgg	gataccattt	ctgcgaaaca	660
acccggcggg	atatgtttcg	cgagcctttg	agctga			696

<210> 15193

<211> 693

<212> DNA

<213> A.fumigatus

<400> 15193

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tgggttgctt	tcacagggc	gatcgcgcag	cttcgcgctt	gccgtttgat	ccccgagtcc	120
gaagtccgcg	aactctgcta	caaagctcga	gagatcttga	tagaagaagg	gaacgttggt	180
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gaactgggaa	acgaagtact	taactcccga	ggggatgtcc	ccctgagccc	ttacagactg	660
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<210> 15194

<211> 390

<212> DNA

<213> A.fumigatus

<400> 15194

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cttgctcggg	tcaaggagaa	gctcacagg	agagacttca	agcccactga	agagctcaat	300
gtgagcgatc	aagtggacaa	acttctcgcg	caggcaacga	gtgtggagaa	catatgtcag	360
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<210> 15195

<211> 252

<212> DNA

<213> A.fumigatus

<400> 15195

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caagccgagg	tcgccagcgg	tcagcttcat	ctaagaagcg	gagcgattct	gggcaattca	180
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<210> 15196

<211> 1035

<212> DNA

<213> A.fumigatus

<400> 15196

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<210> 15197

<211> 291

<212> DNA

<213> A.fumigatus

<400> 15197

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cacaatgaag ccgcgctgcg ggcatccctg cgagtaatcc tcgtctctgg cggactgcta 240
 aagctcgtgg aagccatcgt ccgtcgcac ccaaggtgata tgtccaagta a 291

<210> 15198

<211> 1908

<212> DNA

<213> A.fumigatus

<400> 15198

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<210> 15199

<211> 240

<212> DNA

<213> A.fumigatus

<400> 15199

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 accggccatg tgccacccaa cggcgcgggc gacctcgatc cactggatgc aggtgagcac 180
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<210> 15200

<211> 432

<212> DNA

<213> A.fumigatus

<400> 15200

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<210> 15201

<211> 828

<212> DNA

<213> A.fumigatus

<400> 15201

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<210> 15202

<211> 390

<212> DNA

<213> A.fumigatus

<400> 15202

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tacgatgtca	attcgtgtct	cctgttccgc	gacgattact	acaagaacca	tgaatatttg	300
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<210> 15203

<211> 852

<212> DNA

<213> A.fumigatus

<400> 15203

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ccattcctct	accagaccgc	gacactcgct	gcgccgctga	gctatgcaaa	atggagtgcc	120
cgagacggca	gatcatttca	gtcaacatcg	acaaccttca	cgacaccgga	atcaagccta	180

catagaggcg	aagagtctgc	gcattgatggg	gagagctctg	aaaatgcgac	acctcccttg	240
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<210> 15204

<211> 1032

<212> DNA

<213> A.fumigatus

<400> 15204

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<210> 15205

<211> 702

<212> DNA

<213> A.fumigatus

<400> 15205

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<210> 15206

<211> 843

<212> DNA

<213> A.fumigatus

<400> 15206

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<210> 15207

<211> 2226

<212> DNA

<213> A.fumigatus

<400> 15207

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atggtgatgg	ttggcggcgg	tgaggagacg	tatgggttgc	tgcgacgagc	gacaggtgtt	2160
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<210> 15208

<211> 1248

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (35)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15208

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ttgccgggtac	caggctccctc	tctcaccaac	actacggatt	tcccgtctggc	gtttccccag	480
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gaaccgagcg	gtggcgcttc	gaatatgaaa	cagataatct	tggccgcact	ggaagctgcc	1200
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<210> 15209

<211> 2157

<212> DNA

<213> A.fumigatus

<400> 15209

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gccactggcc	ttatgattgg	tattgatctt	gcatacaacc	tctattcggc	gtacggacag	300

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aacgtgtgga actatagctt catgggaagc tctttcagca gcgtcgaaaa gcgacctgtt 2040
tatgtcaaga ttgatacgcc gttgagattc tatgacgacc aacatcgtec tttgcacttc 2100
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<210> 15210

<211> 213

<212> DNA

<213> A.fumigatus

<400> 15210

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acatggggca ttacgaatct ttggttcaac atcaaatctc accctctagg acttggatgg 180
cctagtcaat gtgaagattt gtcctttaa taa 213

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<210> 15211

<211> 207

<212> DNA

<213> A.fumigatus

<400> 15211

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aagatagcga aaagtcctcc aactgggtgg gatactcttt ttatctctac atatggactt 120
tattatcgcc attccgaacc attccagaag tttgccgagc ctttgacagg tgagtattcc 180
gcttttgacc taaaacacgg agcctga 207

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<210> 15212

<211> 357

<212> DNA

<213> A.fumigatus

<400> 15212

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gattccatga	acgattgtaa	cgccctctgc	aggtatcgtg	gcaatcaccg	gagaggctcc	180
cgcccgga	tctgtcgtg	ccactgtact	tgcaacgagt	ctctcagcgc	cataatttac	240
ggcattctgt	cccacaagct	gtatctttac	ccctgggtta	aacgtcgtc	aacgaccgtt	300
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<210> 15213

<211> 483

<212> DNA

<213> A.fumigatus

<400> 15213

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tttctcggaa	atgcggaccg	tttcttcaag	aacgcagtta	tgaaccagct	tgcgtacgac	180
gttctgcagg	ctgttcaccc	agaggctctc	gtatttttga	gagcagacgg	ctcccaagtg	240
atcccaacag	cttggctgat	cgagagatgc	ggctggaagg	gcaggagaat	tggccgcgtg	300
ggagtgtatg	accagcatgc	tctcgtcata	gtgtactacg	gcagcgtgaa	tggctttgat	360
gtcctggagt	ttgccagtcg	aatacgggag	gggtgtgatg	gccgattcgg	catatggctt	420
gagtttgaag	taaggatcgt	cacagaagtt	ccggtgatca	agaaatccgt	aagctcagac	480
tga						483

<210> 15214

<211> 228

<212> DNA

<213> A.fumigatus

<400> 15214

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atacctgcag	agggcggttac	aatcgttcat	ggaatcgcgc	atggagatcg	gggatatgaa	180
cggctgaggg	acaagctgag	taggatagga	gtagtttcca	acacttga		228

<210> 15215

<211> 549

<212> DNA

<213> A.fumigatus

<400> 15215

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gccattcacg	ctgccgtagt	acactatgac	gagagcatgc	tggtcataca	ctcccacgcg	180
gccaattctc	ctgcccttcc	agccgcctct	ctcgatcagc	caagctgttg	ggatcacttg	240
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gaccaggcca	cttgcctcctg	tgtagtagac	acacatcgtc	tgcaaccgac	aggattgtgg	420
ggactttgac	ttcccaattt	tccagaatgc	ttcgaatgga	gccgtctgtc	gtgttcaagt	480
cgatgggttg	caggactggt	gagttccaat	gtaacactag	cgatgaatac	atctgtggag	540
ttcgcttga						549

<210> 15216

<211> 495
 <212> DNA
 <213> A.fumigatus

<400> 15216
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 agagaaaaga gatggatcga tgcgaaggag ttctatacca aagctcttgc cgttgtgaca 180
 acgaaaatcg ataagtggga caaaccagag aatccagagg aggacgagaa gctcctgcgg 240
 caggtcgagg aggccttcata catcaaccgc gctctctgca atctggaatt gagtatgcca 300
 ctgtgttatg gccacacctg gcacaaattg ctaattaggt tcagaaaatt accgttctac 360
 caccctcgac tgtgcctctg tcctcaagct caatccaaac aatatcaaag cttattaccg 420
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 gggctctcgcc cttga 495

<210> 15217
 <211> 726
 <212> DNA
 <213> A.fumigatus

<400> 15217
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 ccggaggccg aggatgcgc ctgcgggggt ctgcgccttg accctaaaaa caaatcgcta 180
 caacaggttg ccgcaaaaat tgccgatcgc aaagccactc tggaacgtat tgcggcgcgga 240
 aagaaggcgg aggaggaaag gatacagaag gaaaagcagc ttctcagtag tgcactacgt 300
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 taccacatgg acgccaatc agacttcatt aaaacgttct ctgaggcgac atctattcaa 480
 gatcacctgg agtacatctt cccattgcc a tgggacacca agcaagagta tacaatcaac 540
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 ccacttctgc agatccttag tgggggcaag gttgaagtag tcgacgagct tgtcaggatc 660
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 ggctga 726

<210> 15218
 <211> 297
 <212> DNA
 <213> A.fumigatus

<400> 15218
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 atatggtccc atttgggacc tccgactgct gcgaagagca cggcgtcgga ttccagagcg 120
 gcctttttca cttcttctgt gacggatttt cctgctgcac cgatgctgca accgcccgatg 180
 agctcttgcc ggagggtgaa ctttcggtgc tcgttctcaa agacctttag caccttgacc 240
 gcttcggtca tgacctcggg accgatccca tcgcccggga ggacgaggat gttgtaa 297

<210> 15219
 <211> 378
 <212> DNA
 <213> A.fumigatus

<400> 15219
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 gctactgagg tgcttcccgc caaaatctac aatgacggcc cttctcccgc cgtggaagaa 180

actccctttc	cgatcaacga	agagagactg	aaggagcttg	aaaatgaccc	taatgcaccc	240
aagctgccgc	cgacccatggc	gtcgggtcaag	tgcatacct	cggaggagct	tttgagcatg	300
atgaataaga	ccccactgtt	catgacggat	atcaatcagg	cgggggacga	aagtgagcct	360
attttcccca	gcctgtag					378

<210> 15220

<211> 615

<212> DNA

<213> A.fumigatus

<400> 15220

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cagtatgctt	tgcagactga	ctgtgttatt	tcagcgatgg	acgaatgggg	ctatagcgag	180
cgcgagatcc	agcgcacac	ccgcctctcg	gcggaattg	ccctccgtca	caaccccccc	240
tggcccgtca	tctccctgga	caaagccaat	gtgctcgct	cgtcgcggct	ctggcggcgc	300
gtcgttgaaa	agaccatgac	cactgagtat	ccccagggtga	agctcgtgca	ccagctggca	360
gactcagcat	cgctgattct	agcgaccaac	ccgcgggcat	tgaacgggtgt	catcttggct	420
gacaacacat	tccggcgacat	gatttctgac	caggccgggt	ccatcgtcgg	gacattgggc	480
gtgcttccca	gtgccagtct	cgatggacta	cccagtgaaa	caagaaagcg	gacaaatggg	540
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<210> 15221

<211> 240

<212> DNA

<213> A.fumigatus

<400> 15221

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atcgaaaaag	cagtgcaggg	tgttcttgat	gccgggatcc	gcacccctga	tctgggtggg	180
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<210> 15222

<211> 939

<212> DNA

<213> A.fumigatus

<400> 15222

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aacctccggc	aagagctcat	cggcgggttg	agcatcgatg	cgcacggaaa	atccgtcaca	420
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<210> 15223
 <211> 843
 <212> DNA
 <213> A.fumigatus

<400> 15223
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 catctccagg gttcttgctt gtccttcctg tcgcgtgaca gcggcgatcc ctcccatgcg 180
 acccaagtaa cggaggagcg ccgcgctggg acctcctcaa atgctctccg ctcgaccacg 240
 aatgcgatca tctccagctg tcgctcaact tccctgacca gagcgacatc ccgcgcaagt 300
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 ttcaacgccc caatccgccc ccatgtctgg tacagtaagc ggcgcacctg gtctcgcgcg 420
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 tccaagctgt cgttgagcga ggcacgggtg gacgagctga ttgccggtga ctctggagac 780
 cgagggatg agaagggcaa gataagcgag cctgagtcct caccatgggt ggagatacgc 840
 gtc 843

<210> 15224
 <211> 1044
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1019), (1025), (1026)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 cagaccagtg acgactttgc tgggttttga tttgcggcga ccggcgcgac ccgccgtgga 240
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 tcgcccataa ttgcaattgt ccataaggca gatcacaagg gccttgggtt tgagggtgaa 480
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 caagnntttt tcttttcgac cttaa 1044

<210> 15225
 <211> 195
 <212> DNA

<213> A.fumigatus

<400> 15225

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cctgtgactg	actctttgtc	ccattttaac	aatattatca	gaatagactc	agcatccttc	180
atggaggggac	aatag					195

<210> 15226

<211> 318

<212> DNA

<213> A.fumigatus

<400> 15226

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ttccccgtca	ggcaatgcat	cgtctactat	gaggctctga	tcacccatgg	ccctaaccctt	180
ggcctgagtc	atttcaaaca	catattgccc	gagatgttcg	actccctcca	taggtgtacc	240
ctgaacctcg	tcgtccagcg	atcttgtggt	tggaacatt	tcgcccgtgg	tcaacatgag	300
tttgtcaggg	cgctgtag					318

<210> 15227

<211> 1623

<212> DNA

<213> A.fumigatus

<400> 15227

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tacaaacagc	caaatccagg	tcctatcctt	gtcgtatgctc	ccaaactcaa	caccattcgt	180
ttcaccccag	ctcaggttga	agctatcgca	tccggcacgc	agcccggatt	gactgtgatc	240
gttggccctc	ctggaactgg	taaaacggat	gttgcaactc	aaatcatcaa	taatatttac	300
catgacttcc	cgaaggagcg	tacccttctg	atcgcgacac	gtaaccaggc	tcttaatcag	360
ttgttccaaa	agatcgttgc	cctagacatc	gatgaacgtc	atcttcttgc	actcggccat	420
ggtgaagagg	aactcgaagc	cgaaaccagt	tacagcaaat	atggccgcgt	ggagtcggtt	480
cttgaaaaacc	gcaattactt	cctcgttgaa	gtgacacgct	tagcggcgctc	gatcggtgca	540
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ccagcctggg	caaaattctt	cgaccatgct	cgtgctgaaa	gtacaaccac	cgaggatatc	660
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gcccgttttc	aacgagacat	tgtctggcatg	tggcggcaag	gttgtcaacg	gcataatcgac	780
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catcgatgtg	ctaaaaacgc	actgtttggc	atgcctaaga	tcgtaacaac	tgtggataag	1560
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tag						1623

<210> 15228
 <211> 456
 <212> DNA
 <213> A.fumigatus

<400> 15228
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 ggtcgtcgcg aggtgtttga gtcattgctat gaactcaagc cggcctttga ccttctccta 180
 cagcgccctg acaaactcat gttgaccacg ggcgaaatgt tcccaaccac aagatcgctg 240
 gacgacgagg ttcaggggtac acctatggag ggagtcgaac atctcgggca atatgtgttt 300
 gaaatgactc aggccaaaggt tagggccatg ggtgatcagg acctcatagt agacgatgca 360
 ttgcctgacg gggaaaaacga gctgttggac gaggacgaag ttatgcttgg agcgggcat 420
 gagcccagag atgacccatt gcattgagcag acgtga 456

<210> 15229
 <211> 837
 <212> DNA
 <213> A.fumigatus

<400> 15229
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 tatttaatac ctacgagcct gcaacaacat gggagagtct tctcgcggtt ggtcacctgg 180
 ggaagtggtc ggaccttccc cctacggaag ctgatgtgtt taaccgtaa gtttgcgact 240
 atgttctctt acaggcagtt acgcattctt ttcgcggtg cggcagtttc tctgaatgac 300
 aacgagctct ttactgactg ggaattcagt ttcattgctca aggagaaact gaccaaggag 360
 ggccaccttc atttggtgctc tcaccaagcc gcagtcgaaa tctgcctgat gcatgccctg 420
 aagaagccac tactaagat atgtgacgtc gtggaacatg aaaagcccgt tttcaaattg 480
 atctggaagt gcaagattgt cccgaatgca gagagccaat ggggccaatc tttggtctat 540
 ccggacgacg aatcgaagga tgttctcgtt cacatcttcg agcagattgg tgggggagcc 600
 gatacgactg ccacaccagc cgaggaagaa gtgcaagagg acgttgagac agaggagcaa 660
 ggagccgttg aagattcgat atcgcaggcc cccaccctc cattcttcgg ttaccgtagt 720
 gtgcgggata agggattcct ctccctttca ttgaatgac cagagactaa atttgctgta 780
 agttgtcttg catctttgat tgatatccta tgggaaatac tgctaattgt atcgtag 837

<210> 15230
 <211> 276
 <212> DNA
 <213> A.fumigatus

<400> 15230
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 atctccacgg tcaagcaggc cgtagaatat ctgcagggag tctgcaatcc gaaacctacc 120
 aaattggccg atcaactagt caacaacccc gagcttcagc acttgccata cgtcaagctc 180
 tttaccaagc gccagacagc gttgcacaag gatgaggaat tgggtcggaa gaagatcatt 240
 gaatctgaac ttgcgcgaag aggcctcatt gaataa 276

<210> 15231
 <211> 750
 <212> DNA
 <213> A.fumigatus

<400> 15231
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ctgttttgata	ctgaaatagt	accagtcgaag	acccttttctt	ttgacccgga	gaatcctgat	180
gcggcaccaca	aggagattac	tgtgacaaaa	gacgacggta	ttcgtcataa	catatctgtt	240
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gagcttggct	tgactgcttc	aatccaggct	cgctgggttg	ccaccgctgt	tgctggatgt	420
gctcccgatg	agatgggtgt	gggacctgca	gttgccatac	ctaagcttct	tgaacttgct	480
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attgcgattg	gtcaccctt	gggtgctacc	gggtgccaggc	agctcgccac	tttgctacct	660
gagctcaaac	gcactggaca	ggatgttggg	gtagtcaagta	tgtgcatcgg	aactggcatg	720
ggtatggccg	gtatgtttgt	tagggagtaa				750

<210> 15232

<211> 801

<212> DNA

<213> A.fumigatus

<400> 15232

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atatcgaacc	cgcctatata	gatcccccttc	tctgccgtaa	acgatgacta	ctgtgactgt	120
ccggatggca	gcgatgagcc	tggaaacatca	gcatgttctt	atttatcccg	taattacca	180
ctaactgccg	ccgatcgtcc	ggggaaacagc	gacctcgaa	ttacacttgc	cctccggggg	240
ttctattgca	agaataaaagg	ccataaaaccg	tcatttgttt	ctttccagcg	ggatgaatgac	300
ggatctctgcg	actacgaatt	ctgctgtgat	ggaagtgcag	agtggggcgca	cgtcgggggc	360
accaagtgcg	aagataaagt	caaagagatt	ggcaaacat	ggcgcaagca	agaagagaag	420
agagcgaagt	ctatgacggc	tgcctcaag	aagaagaagg	aattgcttgt	ggattcgggc	480
agacagcaaa	aggaagtcga	ggaccacatc	aggagattcg	aagttgaaat	ccaggcacta	540
gagatgaagg	tgaaggacat	ggaggctgac	tatgaggagg	tgaagaagcg	agaagagagc	600
aagatggtaa	ggggcaagaa	ggcaggcaag	gttaacatcc	ttgcttcctt	ggctaaagga	660
cgggtcgagg	agctgcggaa	tgcactggta	gaggttcgca	aggaaaagga	tgaagctcga	720
tcgccgctta	ataaatctcg	aagacatctt	gtccaagttc	aaaatccaat	acaaccccaa	780
tttcaacgac	gaaggtgtta	a				801

<210> 15233

<211> 504

<212> DNA

<213> A.fumigatus

<400> 15233

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ccgccgaagg	aatcagaaaa	acaacgactg	atggcgaggg	cgcaaaagct	agccgagcaa	120
gggctcactc	attctctcaa	aaaagcgctt	ggctctaaaa	agcgcaagaa	gcatgcta	180
ggagattcgg	ctgagattga	aaccactgcc	gaagcagagt	ccaagtcagc	cttggttctt	240
tactcacaga	aggaacggcc	tgcagcctcg	agtcgaagca	atacctcgac	tccaacaccc	300
agtgcacata	atggtatcaa	gaacgcctct	actgcgctgc	taaccgctcg	agttctggaa	360
gaggagaatg	agaagaaacg	gcgtcggaaa	atgatgggtg	cgaacgagaa	tatcagtagt	420
ctttttacta	aaagctccgg	agacgccaa	tccaccaaca	gtgactttat	gacgagaggc	480
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<210> 15234

<211> 516

<212> DNA

<213> A.fumigatus

<400> 15234

gactgtccaa	ctaagggtttt	gcacagtatc	ccaacccgcc	gcgagctcgt	cagagaagcc	60
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gcaaaagctc	ccagcacagc	gcaagtgaag	gaggcccaac	gtgaaatgca	agagcacttt	120
tggaccacct	gtcccttata	gcataaacct	ttagctcgac	ctattgtctc	cgactgcgtc	180
ggtaaatctat	acaataagga	tgcaatattg	gaattcctgc	ttcccgcgca	cgacgcccag	240
ggaatcagct	ctaaagcaga	ctgcgaagag	atcttatgcg	ggcgagttaa	gggacttcgc	300
gatgtcgttg	agctgaagtt	cgaagtcgat	acggagcgcg	gcgaacatgc	atccaacaag	360
cataataaac	gtgaagcatg	gatctgtccc	gtcactgcta	agccgctcgg	cccgaagtgtg	420
aagtcggtct	accttgtccc	atgoggccat	gttttctctg	aagaagctat	tcgtcaactt	480
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<210> 15235

<211> 2343

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1654)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15235

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agcgcccccc	gtcccaagct	ccgccaaagt	ttcagagtct	cggaaaagct	ccgctctgca	120
cgctatgcgc	agttgcccg	ctatgggggg	ctctgtcatg	ctccccatct	ctacaactgc	180
catcattgga	cctggattat	ggagccaatc	aacggcgagc	cggtcaacca	gaatatggta	240
gataccgcac	ctctcttttc	ggcaggtgac	gacgtgccgt	tcgaagcgct	tacgcctcgc	300
cagttgttcg	agtctgtcgt	ctgcgacctt	ctcatgggca	tgatccgttg	gaaccgagca	360
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ccgacatgta	gagaggattc	cagcatcgca	atcgtgggaa	tggcctgccg	attccctggc	600
ggcgcaaacg	atctgaacca	gttctgggat	ctattggaac	aaggggcaga	tgtgcatcgg	660
agagtaccgg	cggaccgata	tgatgtagag	agtcataacc	acacgagtgg	gaagtcgcgg	720
aataaccagtc	tactcccttc	tggctgcttc	atcgaccagc	cgggactggt	tgacgctgga	780
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atgaccgcgt	acgaggccct	ggagcagggt	ggcttctgtc	caaaccgcac	ggaatcgacg	900
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gctggcgtga	gccccttgga	tgttgacttt	atcgagatgc	atggcactgg	cacgcaggcg	1500
ggcgattcaa	cggagatgga	gtcgtacacc	tccgtcttta	gtcctggggt	ccccaacgc	1560
agccggccat	tgtacattgg	atctgtcaag	gccaatgtag	gccacgggga	ggcggcagcc	1620
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gtgggcatca	agacagccct	gaatccccga	ttccccaaac	ttgatcggct	caatgtccga	1740
attccccacg	accaggtgcc	atggccgcgg	agtcccactc	ggaaacggta	tgcactcgtc	1800
aataacttca	gtgctgccgg	tggcaatact	tcccttctaa	ttgaggagcc	tcccgttaaga	1860
cctgaaccca	aagcagatcc	tcgagcagca	tttacctgtc	cggatcagc	aaaaagcaag	1920
gcatacctga	agaataatct	gcggagcttc	ctggcctatc	ttgagtccca	gccgtctata	1980
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gtggacacgc	atcgaccagt	ccctaacacg	ccgccttcca	ttgcgttcgt	gttctcaggc	2160

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aca						2343

<210> 15236
 <211> 900
 <212> DNA
 <213> A.fumigatus

<400> 15236						
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actacagcca	cgagcagctc	gagtaacaat	cgggtggacat	ccaatgtcca	agaaattctt	180
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gacctccct	caaacgacat	aaacgttgct	cgcctgcggg	ctaaatatta	cgggtgcacga	300
tacatcatcc	atcgctctct	tctatatcat	gctctgcatt	ttgctgggct	ccctaattcc	360
aatccaactg	ctgcatcggg	tgagtcaccc	ctggggctca	ttctctctgg	ctcgaaatcc	420
cagcagggtt	cgccctcaat	gtcacacagt	caacgggctt	caaacatggc	gcgtctgtcg	480
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tctgcaatct	tgagtacaga	ggcttttgat	ggaattgaag	gtcgtccgat	tgtgacaaat	660
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tctagtctgt	cagagctggg	ggaccggaat	gtgctcgaga	aacttctcaa	gcgaacaatc	780
aagttcctgt	tgacagagccg	atatatctcc	cccagtcctc	gagccgacgc	acggattctc	840
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<210> 15237
 <211> 246
 <212> DNA
 <213> A.fumigatus

<400> 15237						
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tatatagatg	tacattattga	tactatatac	tataacacta	atttatatat	aaaggctctc	120
gcgcctgctt	tacactatat	tagcctttta	ggagacttaa	atcctacctt	gactcaaaaa	180
aagtcaccag	taataataga	gatgtatgac	caggcagatc	aagaatcctt	gctttactct	240
gactga						246

<210> 15238
 <211> 219
 <212> DNA
 <213> A.fumigatus

<400> 15238						
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tctttttcgt	ccacagactt	ggagacaata	atgccgagca	aaaccatcat	tgtcaccggc	180
gcctcaagag	gtacttccat	ctatcaagca	tccccttaa			219

<210> 15239
 <211> 405
 <212> DNA
 <213> A.fumigatus

<400> 15239

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ctccagaaac	tcaaggaaca	gtacaacaag	caggctcagg	tgctcaacgg	cgacctggca	180
gatttctctc	tccgccagaa	ggcagtcgac	ctggctataa	agtcctttgg	ccgtcttgat	240
ggattggtac	tcaaccatgg	aatcctcgga	caagtcggca	aaatcgacaa	ggcagacccc	300
gaacagtggg	agctcggatt	tgacgtaaat	tttatcagct	tctcgcggtt	tgtaagacat	360
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<210> 15240

<211> 375

<212> DNA

<213> A.fumigatus

<400> 15240

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aatcatctcg	ctctttcttt	ggcggaagaa	gaacccgacg	ttaccacat	ctcgatccgg	180
cctggaatgg	ttgacactga	gatgcagcgc	gagttgagag	aagaccatgc	tgccaatctt	240
gagccacaaa	tgcatcccaa	atttacaact	gcccacaagg	atggaaagct	actcaagccc	300
gagcaaccgg	gccatgtgat	ggctaagctg	gtccttgacg	ctccagcttc	acttagcgga	360
aaattcctct	cgtaa					375

<210> 15241

<211> 330

<212> DNA

<213> A.fumigatus

<400> 15241

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attactttga	tttctcggga	ggccaacgat	attagcgaga	aggaagcaaa	gaaaacaatc	180
gcttgtgagc	atgtggagcg	ggctctacgt	gatcttggat	tccgtgacta	tattcctgaa	240
gtccttgccg	tccgagagga	acataaggag	caactgaagg	tttgtatcct	gcaatatctc	300
tcgaaaaagg	cgacttttgc	taaggaataa				330

<210> 15242

<211> 213

<212> DNA

<213> A.fumigatus

<400> 15242

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catgctaagt	atgaaggtgc	tctgcatcta	atgcttctaa	aatgtattgc	ttttcatctt	120
tccactgatt	atgattacaa	actcctgccc	tttatttcta	tctgctcggt	ggttcagaca	180
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<210> 15243

<211> 585

<212> DNA

<213> A.fumigatus

<400> 15243

agaaaatcat	gttacaccga	tatagctcaa	acggaaaaaca	ccaacgacca	taatcttaca	60
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ccctcttcca	acaaacttcc	taccgaattg	caattgtccc	ctgcctcagc	agcacgcaca	180
ttagttcacg	atctaactct	acctcctgtg	gccaatctgg	acattccccc	gtctcctctc	240

ggctcaccgc	agcctatggc	taatgcgaag	tttaccatt	ttctgtcatt	gaaaaagcaa	300
ggtacacatt	ttaatgagaa	gttagcaaat	tcgtcgtcac	tcagaaatcc	cagtctccta	360
ccaaaattga	tggatcatgc	agggatcgac	gaacgagcgc	aatacaatac	ttctctgcct	420
tctgaattat	ggaacccctc	tggtttacgc	agctgggggt	acaaggagga	actgttgaag	480
tcacagaaag	aaagtaacaa	caagtttgaa	gaaagagtgc	gtacggggaca	gaggggaaagc	540
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<210> 15244

<211> 678

<212> DNA

<213> A.fumigatus

<400> 15244

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gtgtttacac	caatagcggg	tgcggggacc	gtactgcgag	ttgaaacgcg	aaagggtgcca	180
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attcgctcat	ttgagatccg	tgatgtcaag	gcttcgttga	acggagaaca	tcttagtcgc	480
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cgaacacggg	tcgtgcttca	gggcacaaaag	gttaccattt	tgggcagatt	cagagatttg	600
ggaatcgccc	aagaagccat	tgtttctctg	atcttgggca	gtcctccggg	aagttgttgc	660
gtcgcattgc	ccgtctga					678

<210> 15245

<211> 807

<212> DNA

<213> A.fumigatus

<400> 15245

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tataccgaca	atggcggctc	taccttagga	atcacaggat	ccgattttgc	gattctagcg	180
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aagattggag	gtgatgccga	gacaggggag	gggtgccaca	ttctgctctc	ggtcgtgggt	300
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gcagcagggt	cggcagcgag	cttgattatg	ccttttttgg	acaatcaagt	taatttcaag	600
aatcagtaca	tcccaggcag	cggggaagga	catgcccttg	aaccacaaga	ggcagagcca	660
ttaccaaggg	cgacagtcga	acaactagtt	cgggacgcag	tcactagtgc	tggtgagaga	720
catatcgaag	tcggagatgg	tttacagatg	atggtgatca	cccagagagg	gatagaggag	780
atttatacac	ctttgaagaa	agactag				807

<210> 15246

<211> 870

<212> DNA

<213> A.fumigatus

<400> 15246

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tttttctttg	aatcaccgag	cacaggaaaat	tggttccgga	gatttctgtt	caatactcat	180

gcacggaaga	tatcatcatt	gccgccacgg	acgagacata	ttaccaagcg	ctttgcatct	240
ggtagcttct	ttatgctcgg	gatttcccca	agtccgtgtg	cagtagaggc	tgggacgtct	300
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tgcgcgtcac	tttacacgtg	gaaacggggg	ttgcacacaa	cgaaggatga	tgatgggtta	420
aagtcagaac	aatcgaatga	gcttctcacc	aatgatagca	atacctctcc	ctctccgtct	480
cgggaaactg	cggatagcga	tactcggctc	gggaccatga	agtcacaaga	agagcatatt	540
gagggattca	caagccggca	catcatgaac	cgtctacccc	acatgtcaca	tctgcatcga	600
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tcgctgttga	taatcgcaat	aaatacgggtg	ctggctcaag	gtatgtttcg	agtcattgac	840
cgacggtctt	actcgaacta	tatgtactaa				870

<210> 15247

<211> 405

<212> DNA

<213> A.fumigatus

<400> 15247

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gctgccgtgg	ctgccgtgc	cgccttaagc	gggagttcta	gccctgagcc	attttcggat		240
cagcaatcga	tacccgatga	ggaggacacg	aattacactc	agtttgacct	gtccattgag		300
acagttaacg	ttacattgtc	tttcacaaaa	tggatcaatg	ggaaagggct	tctgcgcgat		360
gtcgacgttt	ttcaacacgc	cgctagaagg	ctcattgctc	gccc			405

<210> 15248

<211> 354

<212> DNA

<213> A.fumigatus

<400> 15248

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aaaaccaatg	ccttcttagg	ggatagggca	cctcgcgcaa	tcggccggaa	ttttgtgcgt	180
tcgacatacg	gatccagatt	cctgtcccat	aaatcattga	tcgcacaacc	ggcgcctctc	240
atgattaatg	cacccgtgaa	aaaaagacca	gtagtgccaa	gaatctgcat	gggtgtggca	300
gatgccatgg	gtgccgcgat	gagtgtcgag	aaaacacatg	ggaagaagag	gtag	354

<210> 15249

<211> 285

<212> DNA

<213> A.fumigatus

<400> 15249

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gagcttcgaa	aatgggcccc	tgtcctgctt	gtcgccctt	tatcggcgaa	cacgctggcg	120
aagatgacaa	tggggattgc	agataatctg	cttctctccg	tcatcagagc	atgggatacc	180
actgggaagg	tagactcggg	tctcaaggac	agaaagcctg	tagtgttcgt	tgctccagggt	240
gagatgcgcc	aatatattac	ttgttctactg	tcaaatctgt	tctaa		285

<210> 15250

<211> 258

<212> DNA

<213> A.fumigatus

<400> 15250

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atattaacag	acgagtgggg	ggtgagtcgg	acaaatgaag	aagggtgggt	cactgtactt	120
cacccaatcg	aaaaatcact	tgcttgtggg	gatactggta	acggtgccat	gatggattgg	180
aaagatatag	ttaacgtagt	agagcatcat	cttggaatca	gtagtgttaa	gataaaaagat	240
attcgctgcg	gaacttga					258

<210> 15251

<211> 1305

<212> DNA

<213> A.fumigatus

<400> 15251

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tcttacttgc	ctcctgtccg	tcttgatcag	ctttccagac	gttatggatc	agggagtagt	120
ctcttgaacg	acaagcgcca	ccgcttactt	tgcaatcgca	attccttgac	tacctcgtcg	180
aggggtcaatt	caacaggacg	ccaatcagcg	tatactgcaa	aaccagggtc	agcgatcacg	240
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cctactggca	catactacct	cttcttccca	tgtgttttct	cgacactcat	cgcggcaccc	480
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aagaacggat	gtttgtctgac	tgggggcggc	atcactttgg	ggatgttctt	tgagtatata	1260
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<210> 15252

<211> 210

<212> DNA

<213> A.fumigatus

<400> 15252

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aacataggac	aggattcaag	gtttctttca	agttccgcag	cgaatatctt	ttatcttaac	120
actactgatt	ccaagatgat	gctctactac	gttaactata	tctttccaat	ccatcatggc	180
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<210> 15253

<211> 207

<212> DNA

<213> A.fumigatus

<400> 15253

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gaagaggacg tctctcatga gatgtcagcc acattcttcc cagtcccat cctctacaga 180
tcgcccagca gccataacgg acaataa 207

<210> 15254

<211> 606

<212> DNA

<213> A.fumigatus

<400> 15254

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atcagctcga	cttcgagctt	tgggcgggcg	actgccgaaa	aaaactggca	gttgaaagcc	180
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gcagtcctca	gtctcaatct	tgtgcaacgg	aaatcctcaa	gctcaattac	attcgccaaa	540
agagaaacgg	atgtccatgc	cggtcgaggg	gccttcgggc	tcgatgcgt	ccgtcacggt	600
cgatag						606

<210> 15255

<211> 492

<212> DNA

<213> A.fumigatus

<400> 15255

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cagcaagctg	atgtgattac	agcggttcgt	gtacggcccc	cgctaaaacc	caccgatccc	180
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gaaactacgg	atcagaatgg	catctgggaa	tatctgagcg	acagcgtgag	ctcattcctc	360
caaggctaca	atgtttccat	cctggcctac	ggtcagtcgg	gggcccggca	atcgtacacc	420
atgggaacgt	ctggccccag	cgagcaaac	gatacacaa	caatgggttc	gtcgggatcg	480
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<210> 15256

<211> 2772

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (734)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15256

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<210> 15257

<211> 3246

<212> DNA

<213> A.fumigatus

<400> 15257

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ctctatcggc	cgacatatgc	cgatgaatca	gcaagattcc	gcagccttct	ctacataaac	240
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gtcaagatat	ggactccga	agtgcataac	ctcctcttct	caattttacat	ccaaccgggtg	360
gcaatatacc	aaccagcaga	ggttaaccacc	gccgaactga	tactggaaga	gatccagtc	420
agcatccgac	aacactccac	aggcacggac	aagggtgacaa	agctcattat	ctctggggac	480
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<210> 15258

<211> 405

<212> DNA

<213> A.fumigatus

<400> 15258

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ccggaagcag	cagaatactt	cattgccaat	ggactactgg	tccggccagag	gtacattggg	180
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ctagcctggg	cctgcaaaga	acaggcaaga	tgcgatact	gcgctgacca	acatgaatac	300
cgtaactgcc	cacgtgaaat	gagaccaagg	tgccctggact	gtgatggaga	acatcccacc	360
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<210> 15259

<211> 450

<212> DNA

<213> A.fumigatus

<400> 15259

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gactggctcg	tcgagcggtt	tgagcgcaag	ctcgagtgtc	ctatggagaa	atgctccttt	360
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catttgaggt	gtcctcgaag	aagaggatga				450

<210> 15260

<211> 2205

<212> DNA

<213> A.fumigatus

<400> 15260

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cgacggtcat	cggattgttc	gttctttgtc	tttgcccagc	ctcctgggaa	gaagtcaaaa	180
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gcggttcgca	ttcccttggc	taccagtacg	ccctcacgct	ccaagcgaaa	tgcgaactct	1920
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ggagaagaaa	agctcaagcg	cgaatgtgag	agattagtca	gtcagttcga	gaaggaaggg	2160
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<210> 15261

<211> 228

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (123)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15261

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ttnggcctct	tgttccctcc	tctccctcaa	tctttggcca	agatccaact	gccaggcacg	180
ccgttcttct	tcctccctga	ctcgcttctg	atgagccaga	aatcgtaa		228

<210> 15262

<211> 549

<212> DNA

<213> A.fumigatus

<400> 15262

agaatttcgt	ctatgtcaat	gggcgtccaa	gggtgtaaac	tcctgagtgc	gccagagttc	60
gcatttcgct	tggacggtga	gggcgtactg	gtagccaagg	gaatgcgaac	cgctttctcc	120
ttggacggtg	atgctagtgt	cgctccttga	gccgacagtt	gtatggttgg	aggttgggtc	180
tcagcatcgg	aagactgggg	cgatgaagat	ggcgaactct	tcgaagtgga	aggaagaggg	240
gacaccgcat	cgctttcctg	tcggctagag	tttatactag	cttgtggcac	tttatgggag	300
ttcggcgctt	gagtttccgc	aattgacttg	gcaaattgct	tctcttgggg	gatgtcgctg	360
aatctctcag	ccgtcttcgg	cgggactttg	gatgaccgac	gacggacagg	cgtttcgctg	420
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tgtacttga						549

<210> 15263

<211> 225

<212> DNA

<213> A.fumigatus

<400> 15263

aagtaccctt	catgcgttac	ttccagccat	ctgcacgacc	tcctcgtacc	tcctctacaa	60
tctctctcca	actctccatt	tatcatctcc	tctgtctctc	cggagctcca	cttcatgcgt	120
gactctcccc	cctgctccag	acctcgctac	tataatactc	atcctcataa	cctaataccc	180
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<210> 15264

<211> 855

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (742)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15264

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tccatctccg	taccgaggac	gtacagaata	ccgcctgagc	aaacccgcca	aaagtcttcc	180
catcaaacc	tccttacaat	gtccgacaaa	ggaaacaccg	catacggacc	cccctcatca	240
gataccgcct	tccgcaaaac	atgggaccga	gaagaatacg	ccaaaaaggc	cgcagatgaa	300
gaggcgaa	gcaaggaaga	gggcaaggcg	cgctatgagg	caaagctcct	aggcaaaaaa	360
tggcacgcgc	cggtggacta	tagctcgctc	gaggcgacaa	cctcgcgcaa	acagcgcttc	420
gatgtcgctc	cgatggtggg	caagacgacg	attgttccag	cgggatcggc	agtgggtaaa	480
aggggtcgcg	gtgccggttt	ctactgctcc	gactgtgata	ttaccttcaa	ggataatctg	540
cagctggtgg	agcatttgaa	cagcaagcaa	cacttgattg	cgacgggtca	gagtggcgag	600
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gagagggagg	aacaagaggc	cnaagagaga	gaggaaaaga	gaaggaagag	gaacgaaaag	780
cgtcggaaga	atggagaaaa	cgggatcaag	caggaggaag	attcctggga	aggtcgactc	840
ggcattatcg	catag					855

<210> 15265

<211> 183

<212> DNA

<213> A.fumigatus

<400> 15265

cgtcaaccaa	gcagctctcc	atcagtagca	catgtatata	tctatgacaa	gactgggtcaa	60
ttcaacaatt	gctctcacta	tcagcaatta	aaacaaaatc	tagccaaaat	ggtaaaggat	120
aaatccaccg	tcatacgagta	cgctccgcctc	cctccccctt	accagattgc	caatcccata	180
taa						183

<210> 15266

<211> 564

<212> DNA

<213> A.fumigatus

<400> 15266

tataccatgg	gcaaatctag	acctcacaag	aagaaggctt	cgaagtcgcg	tgaaaagtcc	60
gttctccgag	ccggtggttc	agtgtccaaa	cagaaaatgg	ccgatacctgc	gatactcctt	120
gagcaagcgg	tcgtcttact	tcaaacaggg	caagcagatg	cagcgtttgc	agcagctcag	180
caggctttca	actctgcgcc	caccaattcc	cccgtcaca	tatctgccct	gaacactatc	240
ggcgagatct	acgtcgaact	gggggatatc	aatgctgcga	gagaatgctt	tttacgtgcg	300
gtggagctcg	acccgaatgg	cacaatacca	gagtcggaag	ggggtggtgc	ggagaagttt	360
ttatggctgg	ctcaattgag	cgaagtggga	gggaaggata	gtgtccagtg	gtttgagaaa	420
ggtgtctcag	ctttaaggac	aatcatccag	cagttggagg	aaaagcagga	ccctcaaacc	480
gctgctgagt	tggcggaaaa	gaagaagaag	atggcggaatg	cactttgcgg	agtagcggaa	540
atctacatga	cagatctctc	gtga				564

<210> 15267

<211> 696

<212> DNA

<213> A.fumigatus

<400> 15267


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catttcaccg aaacatattc atggtggagt aatctgacag tctccagttg ggaggaagat 60
gccgaaaacc agtgcgaatc tctcataacg gaagctctct tggtcgatcc tcaagcgccc 120
gaagtcctcc agacactagc atccatcagg atatcccaat tacgacaaga tgatgcgcga 180
gccgcactct cccgaagtct tgagctatgg aaagacttgc ctctgaaga tccaaaggtt 240
ccggagtttg caactcgagt cagtcttgcg cgtctactca tggaggttgc aatggaattg 300
gaagccctcg aagtcttgga acgtttgatt ctccaagatg accagagcgt agaagcatgg 360
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agcaacgccg aagatgccga aggggaggaa ggggaagggg attgggaaga tgagattgag 660
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<210> 15268

<211> 651

<212> DNA

<213> A.fumigatus

<400> 15268

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gacgcccagag gtgaagaaga aaccgaacag ccagccctga ttcttcaggt atcataccca 120
ccagaatatc ccgacgttgc cccggacctt gagatctcgt cccctccaaa tgcgcccag 180
caccctctgc tagacattca ggaagatcgt gaacggctcc ttgaagcttt acagccgacc 240
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gccgaactac tcatggctga acgggcgaac gctgtccagg ccgcgaaaga gatggaagcc 360
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tttttagagt ggagagagag gtttagaaaa gaaatggagg aaaaggagca gagggagcgc 480
gaggagaaag aggcggacga aaagagggca aaaaaggcac cggtaaaga agaaaagaag 540
cttactggca agcaattatg ggagagaggt ttggcaggga aagcagacta tgatgaggat 600
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<210> 15269

<211> 288

<212> DNA

<213> A.fumigatus

<400> 15269

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ttgctgcgtg gattgctcca ggatttgaag gacttctttc acgtgtttat tgacccgagc 180
gtcaatatcg tcttcttcct ttccggtcac attccagaga taagcgaggc agttctttat 240
tccaggccat cctgcacgca tggttattta ggccatgaca taggctag 288

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<210> 15270

<211> 213

<212> DNA

<213> A.fumigatus

<400> 15270

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gcaaacagcc tatatgtcga accacatcac gttgcaatct gcagccagca gcccaggga 120
tcgttctcta ttggacatga taaaatcgct gtgcagatgg gactagtcac tgcattttcc 180
attggactac gcccactca gaccggcaaa tag 213

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<210> 15271

<211> 1281

<212> DNA

<213> *A. fumigatus*

<400> 15271

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gatactccga	cgtgcttggg	aagtgctgct	gccccccat	ttaatgaagg	gcacgacctg	120
caacctgata	cgtgcactgg	agcagcgtca	ccggctaggg	tcggctcgac	tcattctttt	180
cattctcttc	atgacctagc	cgaagagcac	cttgacaatc	cacgtcatcc	agacgttcat	240
taccgcggaga	caccggactg	cgctcgggtg	cttggaaccg	atacagtgcc	catggattgc	300
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ccaaaatcag	ccgctcgaag	ctcccaaggc	ctctctcgca	cacgcgggaa	cactattggt	1200
actggtgtca	gtacagtgtg	tcaaacagag	aatgaagtag	gatattcgcg	atacagtctg	1260
cgcccaaggg	gagtgcgata	g				1281

<210> 15272

<211> 234

<212> DNA

<213> *A. fumigatus*

<400> 15272

gatctacat	gttacagttc	agctaattcc	ctattgtacg	tgtccgtcca	gtccatcgtc	60
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cgcattactc	acatcgaatc	actcttgccg	ttggctgtga	tgacttcgcc	aaagcagtg	180
ggttgcaatc	aactgctcaa	atggaccctt	ccatggggca	atggcaatga	gtga	234

<210> 15273

<211> 315

<212> DNA

<213> *A. fumigatus*

<400> 15273

actccatttt	tgctcttcaa	agcttggtgc	gccctgtcca	gtctttcttg	cctcccttgc	60
gagtgggtcg	atcgagacac	catggaggcc	atcaacgcga	accctcccc	atacaggact	120
gaaaaagtcg	aagagaccaa	gtacacatcg	gactatgagg	aggagggtca	actcaagact	180
ggtcagggtt	cagatgcctt	tggaaacgag	gagtctgcag	agatcaagta	caagacgttg	240
aagtgggtgg	atgtgttgga	aattctcatc	agtgggctcg	gatctttgct	gaccattgca	300
tttttggttac	tctag					315

<210> 15274

<211> 294

<212> DNA

<213> *A. fumigatus*

<400> 15274

catgctcgca	gagctgtcat	tttgattgtc	ggtctcggtt	tgctcgcaac	ctacactgga	60
tacaacattg	ggttatattag	agaaagatat	cctagaattc	agaaccttgg	ggatgccgga	120
gagatcctga	tgggccctat	tggccgggaa	atcttttggtc	tgggtcaatt	cttatttttt	180
atcttcgtca	tgggaagcca	tatcctgacc	tttcgggtca	tgatgaacac	tgtcactgag	240
catggcacct	gctcaatcgt	cttcagtgtc	gttggcatgc	tcattctgtat	gtaa	294

<210> 15275

<211> 198

<212> DNA

<213> A.fumigatus

<400> 15275

gctattccca	agctcctata	tctctctcctt	tctgcccgtc	ttcatttcgt	ctactggctc	60
gggcagctgt	tcattggctac	caggcaactcc	tctttcctta	ctgcccgtcg	tcttgctgca	120
gtaattctct	ctgttaagtt	gccattttca	caaggaagaa	ctgtagaaat	gccaagcgtt	180
ggattggtca	actcctaa					198

<210> 15276

<211> 420

<212> DNA

<213> A.fumigatus

<400> 15276

ccaactctag	ctttcctgag	tattttctct	gcggtgatga	tcaccatgat	tggcgtcgcc	60
gtccagttca	aaggaggatc	taacatcagt	gttaccgccc	agaccaacct	ttatcacgcc	120
ttcactgggtg	tgaccaacat	tgtctttgog	tactgtgccc	acgttgcggt	ctttgggtctc	180
attgcgga	tggaggaccc	caaggagttc	cccaaggccc	tgtgcatgct	gcagttcttt	240
gagattgctc	tctatgtgac	agccgcccatt	gtcatctatt	accacgttgg	aaacgatgtt	300
gtgtcacccg	cactgggctc	agccgggtccg	ctgctgaaga	aggttgcccta	cggatttgcc	360
attcctacgg	tatgtacaaa	tctcacctca	tcgtctgctg	tgcaaacgct	caccgtgtga	420

<210> 15277

<211> 225

<212> DNA

<213> A.fumigatus

<400> 15277

attgtcggag	ccggtgtagt	caacggccac	gttggattga	aatacatcta	cgtecgcatc	60
ttccgcaaga	ctaactcgcat	gcacaagcgc	gatcttggtt	ctgttggtctc	atggattgcc	120
attgggttga	gttgctggat	catcgccctgg	atcatcgctg	agggattccc	ttcgggtcaac	180
tattatggca	agctgaagtg	gtatggcatt	aaactcggcg	tgtag		225

<210> 15278

<211> 582

<212> DNA

<213> A.fumigatus

<400> 15278

tctacaagaa	cggccagcca	tactacttcc	gggagaagtc	caagctcttc	gactgggtcg	60
aggatggcct	gcgggtcaag	ttcgagcccc	tgtaccctcg	cggcctcatc	atccggccca	120
gcgacattga	cgactcgga	ccccctccat	ccatcagcca	cctgccaatg	cacaaagtcc	180
gccagctctc	tacgggactc	tccccggtcg	ttctgcgcgg	cttcgcgcga	accctcaaag	240
aagagctata	cgtccagaaa	gcattccgagc	tcggcaccat	cctccccctgg	agcttcggca	300
tcattcaaaa	ggtgcgcgac	gccggccgca	ccgacaagct	cggcaacaac	gtcacctcca	360
acgaggcaat	gccaatgcac	tacgacggca	tgttcaagtt	cgaagaggag	acagactccg	420

tcacagggga	ggttaagcgc	gtccaaaagc	ccccgggata	ccagttcttc	acctgcccgg	480
ccaccgcatca	caagggcagc	gggtacaccc	tcttcgccag	ctcccggctc	ttcttccgct	540
acctgcctct	gccgtggacc	accgagcggc	tgcagaaggt	ga		582

<210> 15279

<211> 1179

<212> DNA

<213> A.fumigatus

<400> 15279

caaagcagct	atattccgcc	caaatggttg	gagcaatata	gtcccggaaa	aaatgttgct	60
gccgccatca	aggccaaccg	tgccgattat	gtccgtctgt	ccatccacga	gtcaaacggg	120
gcaaggaaac	tgtccatctc	gctcgtccca	cagggtccgag	gcgtcctcgg	gtacacacca	180
tggcattcgt	cgattgcagt	cgacgctgac	ggcacactcc	gcgcagttca	cgccgaggat	240
gtgctgtaga	cgcacgagct	agtctacaag	aacggccagc	catactactt	ccgggagaag	300
tccaagctct	tgcactgggt	cgaggatggc	ctgcgggtca	agttcgagcc	cctgtacccc	360
tgcggcctca	tcatccggcc	cagcgacatt	gacgactcgc	gacccctcc	atccatcagc	420
cacctgccaa	tgcacaaagt	ccgccagctc	tctacgggac	tctccccggt	cgttctgcgc	480
ggcttccgcg	aaacctcaa	agaagagcta	tacgtccaga	aagcatccga	gctcggcacc	540
atcctccctt	ggagcttcgg	catcatccaa	aagggtgcgcg	acgccggccg	caccgacaag	600
ctcggcaaca	acgtcacctc	caacgaggca	atgccaatgc	actacgacgg	catgttcaag	660
ttcgaagagg	agacagactc	cgtcacaggg	gagggttaagc	gcgtccaaaa	gccccgggga	720
taccagttct	tcacctgccc	ggccaccgcg	cccaagggca	gggggtacac	cctcttcgcc	780
agctcccgcc	tcttcttcgg	ctacctgcct	ctgccgtgga	ccaccgagcg	gctgcagaag	840
gtgacctggg	gcatggacaa	cgacggcttc	tgggacgcca	agctgaagaa	tctgcccttg	900
gtggtgccgc	acccggtcac	cgggctgccc	tgcattgcgt	ggcaccagcc	gtgggattcc	960
accaagacca	agttctcgac	ctgtgcggtc	acgatcgaga	acgacgagca	ggagctggcc	1020
tccggtgggtg	atgacctgac	gtatgactac	cgcgtctgtc	tgcgcttctc	ttgggagcag	1080
ggtgatctgc	tcgtcagtga	taatacagcc	atgctgcata	cccggacggg	gtacaagacg	1140
aattgtgagc	gggagctgtg	gagaatccac	tttgactaa			1179

<210> 15280

<211> 186

<212> DNA

<213> A.fumigatus

<400> 15280

ggcaaaggac	gtcatgtcag	agcgaggtgt	cgcgcccata	gggccaagg	ggtcaccgta	60
tcccaagctg	ttctcaatat	ctcccgtcac	gattacagtc	ctggccctac	atatgttgca	120
gtctactatg	gagacaacgc	taagacctat	gtcttctgcc	cagagaactc	gtcaacgtcg	180
gcatag						186

<210> 15281

<211> 186

<212> DNA

<213> A.fumigatus

<400> 15281

tgcacacaac	tttgggtctg	gattgtcggg	tctaagggcg	ccaattggga	tgctcgggat	60
agtggtaata	gctctctgag	tcaacctatg	gaatgtgatg	agaagatcga	agtcattgca	120
gagacaaacg	gaagatatat	agtgggtata	tctgagttga	tgagtatatatt	gagcgccaga	180
atttag						186

<210> 15282

<211> 1242

<212> DNA

<213> *A. fumigatus*

<400> 15282

agacatttca	agaacttgaa	aaggagacga	agaagcttca	tgatgagtcc	aggaagtatt	60
ttgaagctat	taatggtagt	gatacagctcg	gggtcgatcc	tggttgagtaa	ggctctgggta	120
gcaagatgga	ctaataatca	tacaggcatg	ttgagtcacc	agattgaatt	ctccaaagct	180
atgacagagt	tatataaacc	catctccggt	cgcgcttcgg	acccagcac	atacaccatt	240
gagggttaacc	cggaaggaat	tcgagcctgc	gaggaatacg	aagccatcgt	ccgcgaccta	300
caggagtcac	ttgcgcccga	gctagagttg	atcgagactc	gcattgtgag	tccagcaaatt	360
caattgctgg	aggtcatcaa	ggttattcgg	aaggtagcgg	tgaagcgaga	tcacaagaag	420
ctggattacg	atcgacaccg	caacactctg	aagaaactcc	aagagaagaa	ggacaaatcg	480
ctgaaggatg	agaaggctct	ctacaaagcg	gagaatgacg	tagagcaagc	cacgcaggaa	540
tacaactact	acaacgacct	actgaaagat	gagctaccga	aactgtttgc	cctcgaagct	600
gagtttatcc	gcccgcgtgt	tcagtcgttc	tactacatgc	agctgaatgt	cttctacacg	660
ctgcatgaga	aaatgcaggg	catgaatatc	tcctatttcg	atttaactct	ggatgtcgag	720
gaggcattcg	agaagaagcg	aggtgacgtc	aaagaacggg	cagaagcact	taccatcgtc	780
catttcaaga	cgaagggcct	gggcgcgaca	ccctccaagt	tcacacctcc	cggttaaggac	840
aagatggcgt	acgagagcaa	gagcacgttc	gcccgaacga	atcgcgccga	tgagactgat	900
aacctctctc	cacctatttc	ggcctctgca	agtactgttg	cgcccgccaa	ggctaagcca	960
gctcctccac	caccagggcc	caagcccgcg	cgattgggtg	cgccagtcga	gacggttaca	1020
gctttgtatg	actacgaagc	acaggcgcat	ggtgatctta	gcttctcagc	gggtgacgtg	1080
attgagatta	tccagcggac	ggacaaccag	aacgagtggg	ggactggtag	agttgatgga	1140
cgagagggcc	agttcccagg	tcagttttat	tcacgtgttc	ttctttctat	cttgaagact	1200
aatcttcttt	tcactgcagc	aaattatgtc	cagttgcatt	ag		1242

<210> 15283

<211> 357

<212> DNA

<213> *A. fumigatus*

<400> 15283

caggccgcca	gacaatccct	aaacttcaat	ttcactctgc	ccaccaaaac	cgccaacctc	60
gacaacatct	ccccaccccc	tcgctccctc	atcccagaag	ttatcacccg	acttcccccc	120
tcggtagtaa	tggaactcat	catcccgctc	cagcgacgag	ccctcgccag	ccagttcaag	180
gccggaagca	caccgcctg	gtacgccagt	ctccccagcg	atgtccagag	ttacctgtcc	240
gtggtagaag	gccagatctc	cgagggcgcg	ttgacggcta	ccacgggcct	ggcgatatcag	300
actgcggtca	ctgcatcggg	gccttcacca	cgcggtatgga	aggaaccgaa	cttgcca	357

<210> 15284

<211> 381

<212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (44)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15284

caccattctc	tcgagggcat	tcaagatacg	ttcatggatt	tcgncggcga	ttcagaattt	60
ggctttgggt	ctatggatga	gttcatcaac	cctgaaatgt	tcgccaatgc	gcagtctgag	120
gatactcccg	actctgtcga	aaccggcggt	gcgacgcaga	cgccaaagga	tagcgaggtc	180
ccaaagatcc	aagatgctag	cggcaagttt	gatgtctctg	atgatagctg	gatcccgatg	240
gactggatca	acgttccttc	acgttttgaa	gacgcgctcg	tggttaatga	ctcttgggag	300
aatttcgact	ggggtacagt	tgagctgaac	aacggggcca	tgactgttga	cgacaacggc	360
attgccatct	atgccatgta	a				381

<210> 15285
 <211> 1104
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1076)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15285
 aaggatatgc aatgtgtacg gaactgcgac tctccagacc ctaaatatcg gcaaacattc 60
 gagcagccgg tcgtccagac gtgggtttcc cccctgtat ccactatgtt acacaatcaa 120
 atgctaattgc aatgccgtac cgatgatagt gttcagatgt tcgtcggaga aatgggctgt 180
 tggctcgtga tatgggcctc tcatatttac caatcgttca tatatccgcg tctgtcgccc 240
 aattcttcgc ctctccttgc aggcgggtat aaccccgctc accccgatga cataggcgat 300
 gaggaggacc atacgattga cggtcctgat gcactaacc atactctcaa gcgtaccgat 360
 gctgagggtc ggccgtacct cagtggacgt cggatcctcc ttctcgctgc gccggcatgc 420
 tgcgatatcg cggggacgac tctgatgaac gtcgggtctgc tcttcgctgc ggctagcatc 480
 taccaaatga ctctgggagc attggttctt tttgtcgggt tggtcagcgt cctgtttctt 540
 cgtcggaaac tgttcctata ccagtggatt gcactgttcg tgggtggttct tgggtgtcgcc 600
 ttggtaggac ttgccggtgc actcttcggc cagggccatg gccatgacat gtcacgggac 660
 gatactcttg caattgccac tcgggctgtg atggaagctc gggagatagc gaagactcct 720
 gaagcgtca aggcgtgcat tgggtgtgctc ttgattgcag cggcacaggt cttcacggcc 780
 tctcagttcg tgctggaaga gtggattctc gagaactacg cgatggatcc tcttcagggtc 840
 gttggttggg aaggcatctt cggcttctcc atcactgtca ttgcttccat cattctgtac 900
 cttactgtag gacggacgga agccggtcgc tacggctatt ttgatgcaa agaagcctgc 960
 cgacaatttt cttctaacaa gtacattgcc atggccagca ttcttattat gattagcatt 1020
 gggttcgtga ttccgcacag catctctctc cccttctctc tttctctctc tgcgtngtgc 1080
 aaatttccga gtacaagagg ctaa 1104

<210> 15286
 <211> 366
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (46)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15286
 ttccgcacag catctctctc cccttctctc tttctctctc tgcgtngtgc aaatttccga 60
 gtacaagagg ctaatctggt gctctctcac agaggcttca acttcttttg cctttcagtc 120
 acccgaactg tatctgccac ctcccgtagc acaatcgaca cctgccggac actcttcac 180
 tggcttgttt cgctcgccct cggctgggaa acattcaagt ggctgcaagt cctgggcttt 240
 gcgcttctcg tctacgggac cttcttgttc aacgacatca tccgtccccc tctcaaagca 300
 tgtcttcccc gtgacaggca ggagaggcag attctgctgc ctgaggagcc cattgagcac 360
 atatag

<210> 15287
 <211> 357
 <212> DNA
 <213> A.fumigatus

<400> 15287

aatagacaat	ggaccgaatt	ggccgcgcaaa	gctctggcgg	tcttcggctg	catcttcctc	60
ctaacgctga	cgagcgagga	gttcattgtg	cctgtcctca	gcgaggctag	tgcccaacta	120
cccctgggcc	acggcgcccc	agacaaggca	ctgattctgg	ctgagaccat	cagcatgctc	180
ctgttcccat	ttatgataac	attcctacta	gtcttcctgg	ttatcttcga	gtacgtgctc	240
ggcgcgtttg	cagagatcac	ccgcttcgcc	gaccgccagt	tctactcgga	ctgggtggaac	300
tcctccgact	ggtacgtgtt	cattcatttt	ttccgggcca	gcagtaacgc	aatctaa	357

<210> 15288

<211> 324

<212> DNA

<213> A.fumigatus

<400> 15288

cgcaatctaa	ccggcacatt	gtacaggctc	gaattctccc	gcgaatggaa	catccccgtg	60
caccacttcc	tccgcgggca	cgtctacttt	ccttcgctct	catacttctc	ccagcccgtg	120
gccatgttca	tcacgttcct	cgtgagctcc	gtcttcacag	agctcgctcat	gagctgcatc	180
accaagaagc	tgcgcgggta	cggcttccta	gccatgatgc	tccagatgcc	catcgtcgcc	240
gtccaacggt	cgcgattcct	ccgcgggcaag	aggacctca	atgtgcgtct	cctctccttc	300
ttgatcatgg	gatcagctca	ctaa				324

<210> 15289

<211> 1266

<212> DNA

<213> A.fumigatus

<400> 15289

cgggatagaa	atggtgtgcc	tcatgtggta	ctgcctgcgt	ggcaagactg	ttacgagaat	60
gcagctcgag	cagaatggct	cggaattggt	gtctatggca	acaagagccg	cgcgccctaac	120
atcgacgcca	aagagctgag	caaggcggtg	ctcaaggctca	tgggtcacag	gtcgtacaaa	180
accaaggcaa	tcgagctggc	caagctctgc	cgcaagaagg	aaggccgtgt	agcggcgggt	240
gagaagattg	tcgagctggc	gctcaaccca	gacagaatgg	ccatgcacat	gccagagggtg	300
aagctcgaag	acaccaagcg	ccccctctac	aagatcagaa	atcgtgctgg	gatggtcctc	360
gaaaccgcgc	aaccttctga	aacaacgagc	aaatctgccc	gtgtgccaat	tcttcgagac	420
atcaaagaaa	ccctcgtcgt	gactacacta	tgcaatgcct	ggtttctctt	cccactactc	480
ggatactccc	ttctactcgt	cccccgactg	cgtctctctg	tcctcctcta	catcctctac	540
gtcaaataatc	tcgccaagc	acacaaaacc	ggcacttttag	ctctccgcaa	cgaccgcctc	600
cgcacgtcct	ggatctggaa	agcctacgcc	tcctacttcc	ccctccgcct	ctaccgctcg	660
gtgccccctc	cccccgcaa	aaagtacatc	ttcggtacc	atccccacgg	catcgccctc	720
cgaggagcac	tcgggaccct	agccgcgcgac	gctgcgcgat	tctccgatct	cttccccggc	780
gttacgaaca	cgctcctgat	gaaagacgag	gogttctacc	agcctatata	tagggagtag	840
cttctctcta	cgggggtgag	cggcgtgtcc	cactcgtcgt	gtatccgaca	cctgaccgcg	900
gcaggacatg	atgggcaggg	tatgggcccg	gcgattacca	tcaccgttgg	cggaagtcgc	960
gagtataaca	ttgcgcggcc	ggggacgatg	tgtgtggctg	tccgcatccg	caagggtctt	1020
gtgcgggtgg	cggttgagac	gggggcggat	ctcgttcctg	tcattgcctt	cggggagaat	1080
gagctctttg	attgtgtgaa	tgtgtcctcg	tcgactgtgc	tgggggttgt	ggccagggtg	1140
tgggagtggtg	ctgttggcca	caagggtggc	ttttcgactg	gtcggttcaa	catcttctgt	1200
ccgtatcggc	ggccggtgaa	tgttgttgtt	ggggcgccga	ctcctgtgtg	ttttatgagc	1260
cgcgcg						1266

<210> 15290

<211> 612

<212> DNA

<213> A.fumigatus

<400> 15290

aaacctgtcc	cactacgtac	caccttgtct	ccatcccaac	atcttgccctc	aagcacttca	60
atggctactc	cgacccgggt	attattcctc	gctaatacgc	agcacggcca	gacgaatc	120
atcctggcca	tcacccatga	gctgcttgct	cgaggagacg	tcgacgtaca	tattgcctcg	180
ttccctgcat	tggaaagacg	ggtgaacaaa	ctcttgaatg	acaatgcccc	ttcctacgat	240
gactcgtttc	gatcccgcat	ccatttccac	cccattcgcg	gaccctccaa	tacagacgtg	300
ttcattcgca	cgggcaagcg	aggagcggtc	catcctcctg	gctacagcgg	cgccgtgctc	360
ggcttccagt	cactctgcga	agacatctgg	ggctggaccg	aagacgaata	cgttgatata	420
tatcagtgtc	gtatggaaat	catcaagtcg	gtgcagcctt	cggtgattgc	agccgacttt	480
ttcttctg	agggccgcga	tgccgctttc	aacgctggct	acacggccat	cttgatcaat	540
accacatcgc	tcaactcatat	cgtgctgggc	ctgcagccac	attccgctgc	tctatggaag	600
tatccattgt	aa					612

<210> 15291

<211> 249

<212> DNA

<213> A.fumigatus

<400> 15291

atgacaatgc	cccttcctac	gatgactcgt	ttcgatcccg	catccatttc	caccccatte	60
gcgaccctc	caatacagac	gtgttcattc	gcacgggcaa	gcgaggagcg	ttccatcctc	120
ctggctacag	cggcgcctg	ctcggttcc	agtcactctg	cgaagacatc	tggggctgga	180
ccgaagacga	atacgttgat	atctatcagt	gctgtatgga	aatcatcaag	tcggtgcagc	240
cttcggtga						249

<210> 15292

<211> 417

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (54), (55)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15292

cgtgtggcta	agttgcctcc	ttcgatagtg	tctacctgtc	tcgcatttcc	agcnntcggc	60
agcagactgg	actcatacct	tattgctctc	gaagcatgtg	acgaactcga	actggttatt	120
cgacccgatt	ttgccttgga	ggcttttacg	aaggattcgg	acaatactga	ggagcatcga	180
ggtcaacaaa	tccatttcca	gcgaggtatg	ggcaagaact	acgaacgttt	agagttcctg	240
ggcgattgtt	tcctaaaaat	ggcaacgtcg	attgctgtat	tttctcagaa	cccaaatgat	300
gacgaatttg	attaccatgt	gaaccggatg	tgctctattt	gcaacaagaa	tctcttcaat	360
acggctatta	agaagcagat	ataccgatac	atccgcagcc	ggggattttc	aaggtag	417

<210> 15293

<211> 300

<212> DNA

<213> A.fumigatus

<400> 15293

actttcctcc	acaacaagct	gacgaacgag	tacggctgta	caaactactg	cttgaaagca	60
ggagaattgc	ctaccattga	cggggcgcca	gctaccgtcc	ttgctgctgt	cattgtgcac	120
ggtaacgtga	tttctgaggc	aaggctcgtc	tccagtcgct	atgcacaaaat	caaggcaagt	180
gagaaggctt	tggcagtgct	tgatggtctt	ctgccctctg	aattctgtca	gaagtaccgt	240
tgtgattgta	aagaaacaaa	gaactcttct	tctgtaatgg	agattggggac	tgcgatttga	300

<210> 15294

<211> 201
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (194)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15294
 aaagttgaag atatgtccct accgatcaag cgagctcttg cccttggtga agctatctca 60
 ggtgatctcg acacgccaat tcatagtctg cttcaccgca aaaccattct gcacctggaa 120
 ctatcgcgaa attcggttct tctgatgaag aactgggtgg gcgaactggg caaactgggg 180
 acaaaaaatc tgangggagt t 201

<210> 15295
 <211> 615
 <212> DNA
 <213> A.fumigatus

<400> 15295
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 ggaaagcatg cccttgagaga aaagacgatt gctgacgttt gtgaggctct gatcggagca 180
 tctgttctgt caggcggccc cgaacatagg tttgacatgg ctacgaaagc agtgagtgtc 240
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 gaggaggagc tgggttacca cttcacttat ccagactcc tcgcatctgc catcacccat 420
 ccttctctcc cttcgacgtg gggctaccgt gtgccctgct accagcgact tgaattcctt 480
 ggcgattcgc tgctagatat ggtctgtgtg gaggacctat ttcggagggt tcctgatcga 540
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<210> 15296
 <211> 1389
 <212> DNA
 <213> A.fumigatus

<400> 15296
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 accctaggag ctctgaaaac cgagctcgag agcacaggca gcttggtatc ggaggccaaa 180
 tacagcgaga cgggtgcagag atgcacacgc tttgcttcag agtcgcaggt agctctttac 240
 gtgcagaaaag atcttgtcgc ttcagaggga acgaatgctg cggaggacgg tgaaggatatg 300
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 gcctctgtcg catttatcaa acgtcctgct cccattgacc ctacgcttcc catatcgtcg 480
 cagggttcagg ttatcaatct tcccggcccc gcattctctca acaacgctca ggcacaacaa 540
 ggtgcctctt tgtctccgta tgaggtcctg catctgctcg tgcaccacgc gctgagcccc 600
 tacttcgagg ccaatacccg caatcaggat gcagcgactg gcttgaaacc caggacggat 660
 acagaggtga agactggagt gcctgggacc aagaagaaat tgcagagct ggaactgggc 720
 ttgcttcacc tgcaacagaa tgttgagatc ccgcggttaa acctgccgct ccatgaggta 780
 gtccaagccg ccctgggtgga agcggagacc cgagggatca agccttctgt ggagctgatt 840
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gcaacgctca	gcttcgttgc	tgacaccggt	ttgcgagaag	cgacggacat	ggtgcagaag	1140
tacaatcagc	ttatgcgcga	tttccccctg	gatgaactac	tctccgccac	cacgttacaa	1200
aaagttcagg	aatcgcttgg	tctaattctt	ggccatctta	ataaaaagtt	gaagatatgt	1260
ccctaccgat	caagcgagct	cttgcccttg	ttgaagctat	ctcaggtgat	ctcgacacgc	1320
caattcatag	tctgcttcac	cgcaaaaacca	ttctgcacct	ggaactatcg	cgaaattcgg	1380
ttctttctga						1389

<210> 15297

<211> 330

<212> DNA

<213> A.fumigatus

<400> 15297

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tacttcgggtc	ctctgaacat	catcgaaagca	acgctgcctc	acatgaggaa	gcagaaatcc	120
ggtcatatca	tgattctttc	tagcattagt	atgataagcc	ttggccccta	ctactccaat	180
gcgactctaa	cctggagtag	ctgcccacat	cggtacaccg	ggccttgga	tgtactccgc	240
cgctggttgg	gccctggagg	gattttgcga	tgtaagttgt	tgacagaatt	cacgttccta	300
atatttcagc	taagaagtca	cattatttag				330

<210> 15298

<211> 441

<212> DNA

<213> A.fumigatus

<400> 15298

tccggcctga	aggggtgctct	tcagggtctc	gcogttttca	tgttgacgca	gtttctgac	60
tctcaatttt	tcggaaataa	atcacaaaat	gctggatctg	gagtgaagcc	tggcgaattg	120
acctccttcc	aagctcgctcc	gcctcgcagc	gaaatcgctg	actacagtc	tatccccgac	180
accgttgctc	caatctggcc	ccctaacagc	gccgttgata	tcagcatcta	tgtctcacct	240
tccattgtcc	tcccttctct	cagctcaactg	ccatctgatt	ctcttgatt	gagtgaag	300
aacttcacga	tcgggaatta	cagtgcaccc	aggggaaatc	gcgactacca	tcgagattcc	360
caaggaagtc	cagcaaaatg	gaacgctttg	ggcgcatttc	tatgttgccg	tgaccggaca	420
ccaactcgac	ccaacggcta	a				441

<210> 15299

<211> 741

<212> DNA

<213> A.fumigatus

<400> 15299

attctgaaaa	ttaacggaaa	gcgaatgact	tttgcgatac	cttcaggcca	acgtgtcttc	60
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gacgggtttt	ccaaaaccgt	gatccccacg	aacggagctg	caaagaagaa	cgaagaagca	180
cagggcgaca	ccgataaac	aagaaagtcc	agatcctcca	gaaagcggaa	atctgaagtc	240
gagctcgcta	gtcgcaaaaa	acgtcaacag	gaacctatat	cttctgagga	ggattcgcag	300
gaccgtgagc	cagatgacga	cgttgcctt	gtagccaatt	ccagaagcgt	ggcgggtggag	360
gtcaccagtc	ctcgagcaga	ggcagattca	ttaattccta	caaggatact	cgacactatc	420
tcgacaacta	ataacaaaga	aggagaaagc	gttgccgcag	cagcaactga	ggtccttcaa	480
gataatgtca	cttctggtgt	agccatggac	gaggggtcat	cctcaaccaa	tttggccagt	540
gattcctatc	agacctcgga	aatcattcta	gagaatattg	gggggtccaac	tgcctcgct	600
ctgaaaaatc	tggaagtcga	tgggcgtatt	aaggacgttc	ccaacgggaa	tgcttggaag	660
gaatttcgat	cttaccgaaa	caaccaggac	atgggaagtt	tatgggaagt	cagacaggct	720
tggtacctta	gaggggaagta	a				741

<210> 15300

<211> 834

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (569)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15300

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gtgaaaagaa cttcacgatac gggaattaca gtgacaccag gggaaatcgc gactaccatc 60
gagattccca aggaagtcca gcaaaatgga acgctttggg cgcatttcta tgttgcgctg 120
accggacacc aactcgaccc aacggctaag gattatagca cagatagtgc tgtgcacttc 180
ttccgcccac tcaaccatta tcttcccaag aaaaagggtca agaagctcaa gaacttactt 240
gccagctcgg acgataccga agaggaggaa gaagacaaca gtattccgga tgtctctatt 300
gcttcatact accaccccaa cttcacggta tcgctgattc ctgattctgg agttcagaaa 360
taccgccaag tacaccctgc tattcggcat cacatgcaac tcgaggccac gggcgcaaga 420
gatgcctctg gtcagaatgg gtggtactac cctattgtgt tcttgaatac attttggcaa 480
ctccgaagcc atatgaccga gctcaattcc acagtgaaga cgatgccttt gcggatcact 540
ctgaacaatc tgtccaactg gaaattcanc atgatggcaa gtgtggacga gaatgcaaag 600
gctaaccccc ggcagggcgc ctttgggaag ttccggttctt ggaaggccgg gatggctctg 660
aatttgagat ggtcaaggaa aatcctcttt gaacccaaaa ttggttggc ttggtacaac 720
gggggttatt tacaaatcct gcacataaat cttgaaaact tggggctttt aagaaacaaa 780
aattgttggg gttgcccctt tccccttgaa accccgtttt gccttccaat ctaa 834

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<210> 15301

<211> 228

<212> DNA

<213> A.fumigatus

<400> 15301

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tccggaaata ctcttcagcg cggaacaat ggcctgcctc aggcgtgctc cggcgacccg 60
gacctccca tgtccatgca aagtaacatt gctagtctcg acattgctcg ttgcgggtcca 120
cccaagcagc tttccaagtg caggccggaa tatcgtctc tcgacggtgg ccgagccaag 180
tcttgggggtg caaatgacct gacgatgctc tatctgcgac aacagtga 228

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<210> 15302

<211> 267

<212> DNA

<213> A.fumigatus

<400> 15302

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agaccctttg tcagatgttt cgccagcctg ttttacacgt acaagaagtt ccttcaaccg 60
gccacgggcg acaagaaaaa ggcgggtctg acgtacagct ttaatatgga agcctttttg 120
aaaagcctgc ctagcgagca tgcggagtac attgcggtcc tgcagcacac acaaggtaag 180
cgcggggaaa acgtaaacca catgcatggt ctgtattgct cacctcgtca ggttttaacg 240
agttcattgg ggaaagagaa aggtga 267

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<210> 15303

<211> 189

<212> DNA

<213> A.fumigatus

<400> 15303

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cccatacatc tgaggacggg tggattcccc aggagcacca gggccagtca gatggggggc 60

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4811

gtagtgctcc gtaacggcat gagcattctt ttcctctgta tcacccggaga ttttaaccct	120
actccctacg gtagatcgtc tattacggaa tactcccatc gagtatacct ggtcttttagg	180
gtaacataa	189

<210> 15304
 <211> 339
 <212> DNA
 <213> A.fumigatus

<400> 15304	
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gagttcattg gggaaagaga aagggtgaat cccaagtcaa aggacccccg actggccttg	120
ttcgatgaga ttgtcctgtc gaaacggaa cggggccgct ctctcgctgtt ttctagccgt	180
accacgacgg atttccctatc cgatacctcg aaccatctct ggccaacagc cagtgccact	240
tcgtttccac cgagcagcag gggtcagcag actctttcag gggattacac tcgcattgtc	300
actagagggtg cgtcgacgat cgacaaactt attagtttag	339

<210> 15305
 <211> 666
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (571), (572)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15305	
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tcgccagcga atggtgctca tccccactg gcgacggctg tctcggccaa ttcagccgtt	180
gccgccgctc ccccgctcggg ccccgccgat cctccgagga cgggtggtggt agtttacagg	240
tccggccagg actccattgt gcacttggtc gccgagggtc tgggcaaacc atggaccacg	300
gaaacgtcgc tgtccaccct ggtgacgggc agtaatgccg tgggtggtggg gattctggcc	360
gccgagctgg cgcgcagtct cgacgagtgc gaccgcgtcga ctttgatcgt gatcaacacg	420
cactgtgtgg acgacggctc gtcgcgggac gaagcgctca ccgatcgctg cgactacgag	480
tttctgtact cgcacagccc gtttctgcgg cgcgatctga cgcgcttcct gtcgttgatc	540
ctgggccaga cgcggccgca cgaggatctc nngaccaaga cccgccccaa ctttctctcg	600
aacaactggg acccccaacg ccgagcttca aaaatccggg caaactcttt taaccacctt	660
tggtaa	666

<210> 15306
 <211> 327
 <212> DNA
 <213> A.fumigatus

<400> 15306	
gccttgcgac gatttccatg cgtgcacatc atgcttacat gctatctagg ctccatgat	60
gccgtcatgc ttggcaggta caccgacctg gtcaagattt acgggtgaaca tacgcgtta	120
tgcttgaact ctctttcgtc taacctcctg accgctaatt ctactgcgaa ctccggagaac	180
catataacga tctcctgttt ggaaaaggct tgtgatgccg ctgtagccct tgtgcagtac	240
tacgtcaagt cttccgattc ggagccaatc gttcgatatg gtgcagatgt gagttgctgc	300
tacctgctgt tgggtgtgtca tcgctaa	327

<210> 15307
 <211> 276

<212> DNA

<213> A.fumigatus

<400> 15307

gcgacccggt	ctttaccgct	gttacatttc	cttaacaagg	agctaaactg	tactgctaag	60
gtcgcagcgg	atctggtttc	cggtctgcgc	acagcccgct	tacccccaac	accacgccaa	120
aatatccgcc	agcccgcctg	cacagcatgg	tctaaaatct	catctcttct	atctgacctg	180
aaccgcgggt	tggacgcatg	gcaacgtcaa	tggacctggg	ccggtgagcc	ttgcgacgat	240
ttccatgcgc	tgcacatgat	cttacatgct	atctag			276

<210> 15308

<211> 204

<212> DNA

<213> A.fumigatus

<400> 15308

ctttctggca	gttcctttct	gatgcggcat	atgaacagct	tgaccggact	agaccctagc	60
ctgccgaaa	tccaatggga	ctttgatata	tgcgccttac	tgggccagga	catcccggcc	120
ggagagacag	gtctcgacct	cggccattac	ttcgatttcg	cccaatcttt	cttccttcca	180
cccactgata	cgggaactct	atga				204

<210> 15309

<211> 1293

<212> DNA

<213> A.fumigatus

<400> 15309

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tacaatatg	acgaccacac	caagcagaag	gcaagagata	acctcgctgg	tttcgaggca	120
acatcgttgg	tcggcaccct	ctcctctgtc	acgatatact	ccttttagcca	gaatatcatg	180
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ccaagtgtac	gtttgtgtaa	ggatacacaa	cagaaacaat	ttcagacaga	tggtagccca	480
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accctacccc	agaaccaggc	tgggaaaccc	aggaatcgct	ggacagtata	tgtatatggg	600
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gcctggcaga	ccagtctagg	ctcatcaata	cctagctact	ccacgcccag	cttctcttct	1260
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<210> 15310

<211> 189

<212> DNA

<213> A.fumigatus

<400> 15310

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aaatacgacc	ccgtggtgaa	gaagaaggtc	ttatttctgg	aagcgacaaa	gggtggaagg	180
gcgaaatga						189

<210> 15311

<211> 1566

<212> DNA

<213> A.fumigatus

<400> 15311

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gtcaacaga	agaaaatatc	ccaccagctc	gacgcagtc	aaggaacaat	cgtcgaactc	180
agtgataggc	tgtcctcgaa	agacgtcgaa	ttcaaatatg	tgcaagaaga	gtagacaca	240
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caggacaagc	agaaaacagt	cactttcagg	gcagaaaaag	agggaaacag	gattgagaag	1140
cggaaagtct	cagcgaccgt	ggacagcact	gccgaagaga	gcgcctccga	ggatcgtctt	1200
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tcgaatgggg	tccccaaatt	tccaaacgag	tccaatgctt	ctccggctag	cgaacggtcg	1320
aatcgtgata	cgcatacggg	gaatcaatac	acgagcaatg	ataagagagc	acgagtgtct	1380
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cgcagaacaa	gccctgctag	cttagcgtcc	ggaaacagta	ggcaatcatc	agcgatcgaa	1500
aataatccga	aaaacaacag	gtggacggca	cgaggtgcta	cgcgagggtc	gcagattacg	1560
cagtaa						1566

<210> 15312

<211> 1110

<212> DNA

<213> A.fumigatus

<400> 15312

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cgtttgctaa	agcagtacat	tgaaaagcag	gaatgggctg	ctgctataca	gaaaaacaca	120
aaccgccagg	atgaggttat	gagcgtagag	aggacgccta	atacgcactc	tttgagaccc	180
acgactgatc	agttcacgat	cttgaaacga	cgtcccacaa	acgggaaaaa	ggtgccccagc	240
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aatttacagg	agcgcatgga	agcagacatg	tttgactga	cagaggaaaa	caagagtctg	420
aagaatcacc	tcgagaccct	tgacaataca	ttacagcgta	gcaggtgtca	atcaaagata	480
tacggagccc	aaatagagaa	ttggaaaaaca	aagctagcga	agttcaaggg	tattctcaac	540
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gcaactctag	agaatgaaag	aaacgaaatc	gagtctggaa	ttaaagatgc	taagcgccag	660

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tcgaggggttc	aaactaagca	gcttgcgata	atccggacag	aacagcagga	gatgctgaac	900
aagctcaact	ctgcgtttga	cagactggat	cagagtgtga	atgcttccca	agcagcaa	960
caaaccacat	tggaaattgac	actcgagaag	acttttccac	tgctcaaaga	attgagcgag	1020
cagcttttga	gttgacagagc	ggatatccag	caatacaagg	acactgtcca	caagatcttt	1080
tcaaggtgtg	atcagagtca	aagggtactga				1110

<210> 15313

<211> 759

<212> DNA

<213> A.fumigatus

<400> 15313

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actaacggct	gtcatatggc	acttctcaag	cagctcggga	tcaacgaaga	acagtacaat	180
accgtgcggg	aaatgttggg	agctctgaag	ccaagcatgc	agaccatcag	ctcctctctc	240
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gccagagatc	aggccaaggc	aaggtttgag	caacaaatcc	ataaaatgct	gcgagagaaa	660
gcagaagcgg	aaaaggatat	ggccgcgatc	agggagtgcg	tggtctgaggt	tcaagcgtca	720
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<210> 15314

<211> 492

<212> DNA

<213> A.fumigatus

<400> 15314

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gttggtttag	ttaacgtagg	catatccgag	agagcgtctg	gtaacggcgt	cacggcagac	180
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agtggaggga	gaggcgctct	caacggcggg	cacctcagga	gcgctggtgg	cagcggcggt	360
ggtggcctcg	gggggtgccg	tgacagtgtt	gtcagcggcg	gggggtggtg	agacttcggc	420
agacattttg	gttttctttt	tctagagcag	ataaagagta	tactgttagc	gagcagtaac	480
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<210> 15315

<211> 192

<212> DNA

<213> A.fumigatus

<400> 15315

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tttttttctt	tgaattttgt	cgttgaattt	tttttttctt	tctggaaaat	tcaaggtggt	180
acgtcacgct	ag					192

<210> 15316
 <211> 2352
 <212> DNA
 <213> A.fumigatus

<400> 15316
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 ctactatccc cagacttgtc agcgtatctt ggaacgctcg atcaattagc aggtaacata 180
 aattacaaat tgttgctttc tgccttgggg cctttgcagt cccgatttcg agaacgtcct 240
 caaagtgtca cggatctgga tgcacgcctc tggctccttg catacatcat ctactttcac 300
 caatatgcaa atgggaccca ggctggacag caagcagtggt aaccggactt cgtgaagatc 360
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 atgatcgacg atgatgtcac ggaggagaca ccgttgacc cctttgtcaa ggaacaaatt 480
 tctagccttg tcaatcaaag taagattaca ggacttctgt cgcaactcca gtcaacacat 540
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 gcaggatcag cacagaggga aacagcctat cgcgcaaata tcaacgacct gaaggatctt 2280
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<210> 15317
 <211> 690
 <212> DNA
 <213> A.fumigatus

<400> 15317
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 caagatctga aaagcaacgg atctgacatt ccagtgacca atcagaatcg cctcgtttat 180

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ttgcaaacct	tggtcagtg	ggagtctgga	gatatagacg	ttgcggattt	gagacgcaac	360
acgctctacg	gaggggtgta	taccattggc	gatgacaagg	aagagcatcc	aaccgtcaag	420
ctgttctggc	aggcatgga	ggagatgtcc	aacgaggagc	ggcagaaagt	gctgcgattc	480
gtgacgtcga	ccccctgagc	accattgcta	gggtttagcc	atctcaaccc	gcgattcagc	540
atccgcgact	ccagtgaaga	ccaggatcga	ttgcccagca	ctagtacctg	cgtgaacctg	600
ctcaagctgc	cacggtatac	aaatgctaag	gttctgcggg	aaaagctgct	ttatgctatc	660
aattcggggg	ctggccttga	cctaagctga				690

<210> 15318

<211> 441

<212> DNA

<213> A.fumigatus

<400> 15318

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aacggcaccc	ccgaggccac	caacgcgcgt	gccaccagcg	ctcctgaggt	gaccgccgtt	120
gagagcgct	ctccctccac	tactcccagc	gccagccagc	cccactctgc	ttccctctat	180
gtcgggtgaac	tgcaccctc	cgtaaccgag	gctatgctct	acgagctctt	ctcctccatt	240
ggccagggtt	cctccatccg	tgtctgccgt	gacgcggtta	ccagacgctc	tctcggatat	300
ggcctacgtta	actacaacaa	cactgccgat	ggcgagcgcg	ccctcgagga	tctgaactac	360
accctgatca	agcgccaagc	cctgccgcac	catgtgggtc	cagcgcgacc	ccgctctgcg	420
aagaatggtc	cagggaaaacg	c				441

<210> 15319

<211> 534

<212> DNA

<213> A.fumigatus

<400> 15319

tcagcccctg	gtctctgcag	cttcgggttc	ccaatggcgt	gtctggaccg	tcaacaatta	60
ctccaagttc	tgtatcagct	gtttcccaaa	aaacccgaca	tctacgtggg	caaaagtgtc	120
gtaggggttg	acgaacagga	tagccgtgtg	ctggtgtaca	ctgccgatgg	aagcacctac	180
gaggggtgacc	tggctcgtgg	tgccgacgga	gtccacagcc	gtgttcgaac	tcagatgtgg	240
cgcgagcaaa	aaatgcgacg	gcctgggtctg	atcagtgaac	gcgagatgaa	aggtacggat	300
tcttatccgg	atcagatcgg	cgactcagag	gggctgattg	tgatcatggc	tgatagggat	360
gagtatcgag	tatgcctgca	ttttcgggtc	ctctcctacg	gttccaggat	tggacgagcg	420
acacctgcat	tccagagtag	acaacggaac	agcattcatc	ctcgtecccg	gagtcaatgg	480
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<210> 15320

<211> 516

<212> DNA

<213> A.fumigatus

<400> 15320

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atcgagcaag	ccttgtccga	attcagcaac	atccaagtca	aacgcataac	caagatctac	180
aacgtgtcgt	ggaccaccgc	gcgcttgacg	actcgagcaa	atctgggtgta	taggctactc	240
ttgcgggtatt	tcattccata	cgcgggagac	aaacccgcga	agagagtact	gaggattttc	300
gagggagacta	cagcgtgga	cttcattcca	ttaccacccc	gctcagggtc	cggctggaca	360
ccgcaaaaaa	gggaagaaac	gttctttcca	agatggacta	ttgcgcttgc	atttttggta	420
ctgatatcag	tgggtgcaat	caacctgaag	cctgttggat	attacagtta	ctggctgtcg	480
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<210> 15321
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 15321
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 aaccgagtga gaaagatctt ccgtatgatg gacaaggatg agaatggcag cctggatatg 120
 gaggaattta aggagggttag caaacgcgac gagaccattg tcagcgcctt gtccctctat 180
 gatggattgg tataa 195

<210> 15322
 <211> 1461
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (167), (554)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15322
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 ctgccagcct tgcagagacg ccaccagtgt gcatcctcgt cttegtncct cttgacacac 180
 caccctcgca acaaactcaa agccctcacc aaggaccgtc tcccgcatct ccaatgcctc 240
 gcaaacggcc tcttgtccga tcgacgagat cgtatcaccc tcattgaccg ccgtggccgg 300
 gtcttcccag cagacggaag tcttcgcaaa ctacgtgctc gctgccttcc cctgctattt 360
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 atcactgaac accccctttg gaatgggggtc tccgcgcctc caccaccgca tacaccggcg 480
 ctttgcacaa cgaccgcggg gtacacggat gccgcaaggg tgatgtacac atggctcttg 540
 cgcggcctag cagntatgct atcggacacc tcaagagcca cctccgacga ggcgctagcc 600
 accgcaatta gcttggcctg cttecgagggt caaaactgca caaacccga ctcgtggctg 660
 cgtcatgctg cggggatcaa gacgatgatg cgactgcgtg gtccgcaggc gcacctccac 720
 ggattcggga gggccatgta tattgtctac cggaacctga tgggtacagc tgctctgctg 780
 tccggcgagg aatgtcttct ccaggaaaccg gaatggcagg acctgaacag gcagattgcc 840
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 aatgagcagc agggattcat cggcccgtt ccttcgttt ttttcgatgg cttctcctgc 1140
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 gatgagaaac agcgcacgac tatcgaggcg gaaaaccgta ccctgtctga tggaattcct 1260
 gatgttgtct ctgaaccgaa aagggaagaa tacgaatcgc cgctaagacc gcccaaactc 1320
 ccgggccggg cgcgcaagcc ggctctggcc atacggtctt tgatctcccc ccaaaccgt 1380
 gagccgcaa catcgaacat gatggaccgg cttgtgacga ccatgggcat ggacggcgtg 1440
 agggtaacct tattggaata g 1461

<210> 15323
 <211> 273
 <212> DNA
 <213> A.fumigatus

<400> 15323
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cgctacggag	ttccgcccgt	gcctgcatct	cgggtctcctt	ccgggtcaca	taaacctttt	120
ccagccgctc	gcggtatctt	tcgacatcac	cttcgcccag	gttgcgctcc	agcaggctct	180
catagtcccg	ctcgaggctg	gccagcttct	gctccaactc	tagtctgcgg	ctgtcctgca	240
gctcgctcaa	ttcaccccca	tcattcatgg	taa			273

<210> 15324

<211> 354

<212> DNA

<213> A.fumigatus

<400> 15324

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ccattgaatt	gctcggcgga	aggaaagata	cgggttggtc	atatcatgtc	ccctacctgc	120
aggtttgagg	ctcaactcac	tgctgttaaa	gagagactgg	aggctgcgaa	gcagggttcg	180
actaggggtc	ttccgtctat	ggatggcagc	ggcgggtttc	gttttgctcg	ctcgagaatc	240
gcgaagccgc	tccgggggtg	tggtgggtga	gggccagaga	gcagtgtctc	ggtcgccgga	300
gttcagtcgc	aggagagcgg	aaagcgcacg	agctggtttt	tcgatcgacg	atga	354

<210> 15325

<211> 1608

<212> DNA

<213> A.fumigatus

<400> 15325

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aactttgaaa	actacatgtc	agccttggag	agtgaagttc	agggtgtggag	aagcggcgaa	180
acagttccca	aggaccgttg	gacaccagcc	aggggtcag	aagccgtcag	cgcggctaag	240
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cgatcagaga	caccacggcc	cgattcagga	tttgggcgaca	gatctagcac	ccccagcctt	360
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gaactcaaga	acctcaagga	gaactcagca	cgctctggca	aggacaatga	gaaactcagt	540
gcgaggtca	acgagcttcg	gatgcagctg	gagaagggtt	cctacgaggg	caaggaagcc	600
tcgatcacta	tggacagtct	ccgggaagct	aatgctgagc	tgaccgcgga	gctggacgat	660
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gtcgccattg	cggagaggaa	gttgattgcc	agaaacgaac	ggattgcgag	tcttgaaggt	1560
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<210> 15326

<211> 447

<212> DNA

<213> A.fumigatus

<400> 15326

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cctctccccc	cggttcattt	tcaatcgcca	tcaacataca	aatggctga	cgctccccgt	120
ggacgtggag	gatttggtc	gcgcggtgac	cgtgggtggtg	accgtggccg	tggccgtggc	180
cgctcgtggtc	gtcgcggcgg	cggaaaggag	caggagaagg	aatggcagcc	cgtcaccaag	240
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ctgcccgtca	aggagtacca	gattgtcgac	ttcttctctg	ctaagctcaa	ggatgaggtc	360
atgaaggtac	gaaacgaaca	atttcatctg	cgaatatcct	ctagggagca	attgttcacg	420
ataaactcgt	ggactatggg	aaaatga				447

<210> 15327

<211> 258

<212> DNA

<213> A.fumigatus

<400> 15327

cttatccccg	ccccccgtgg	taccgggtctc	gttgccctccc	ccgctgtcaa	gcgtctcctc	60
cagcttgccg	gtgtccaaga	cgcctacacc	tcgtccctccg	gttccaccaa	gaccctcgag	120
aacacctca	aggctacctt	ccttgccgtc	gttaacacct	acggcttcct	cactcccaac	180
ctgtggaagg	agactaagct	catccggagc	cctctggagg	agttcagtga	tgttctgcgc	240
cagggcaaga	agtactaa					258

<210> 15328

<211> 282

<212> DNA

<213> A.fumigatus

<400> 15328

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gtcatcggtg	actccgaggg	tcacattggt	ctcggtatca	agacctcaa	ggaagtcgct	120
accgccatcc	gtgctgctat	catcattgcc	aagctcagcg	ttctgcccgt	ccggagaggt	180
tactggggta	ccaacctcgg	tgagcctcac	tctctgcccg	tcaagcagag	cgccaagtgt	240
ggttccggtt	ccgtcagagt	acgttatgat	cgaacgcgat	ag		282

<210> 15329

<211> 390

<212> DNA

<213> A.fumigatus

<400> 15329

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gtcgtttctga	agagtcataa	agccacgata	attgcacgcg	ttgtcgcaga	ccaaggcctc	120
tttaccacct	ctcacctgac	ctgtttcctg	acatcaatgg	caatcatgga	aggcacggac	180
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cctctagttc	agggcgtcaa	cttctcaatt	gtgcctctag	agtatcgggt	cttggtagtc	300
aacgtgggtc	gcttaggtga	attgtgtcca	gtcatcgctc	tcgctttcac	tccgctaaca	360
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<210> 15330

<211> 879

<212> DNA

<213> A.fumigatus

<400> 15330

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ggtgttatta	cctacacct	gttgtgcgga	tactcgccct	tccgatcgga	aagcctgtcc	300
gatctgatcg	aagaatgccg	cgctgcccgg	atcgtcttcc	acgagcgcta	ctggcgcgat	360
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cccacatcgc	aggatgcatt	gaaacacccg	tggctgactg	gtgagtctgc	cagcgaccgc	480
gacttgctgc	ctgagatccg	tgcctacatc	gcccgtctcc	gcctccggag	aggaatcgag	540
atcatcaagc	tggcgaaccg	catcgaagcg	ctcaagatgc	aagaagacga	agagggcgat	600
atccccagtc	ctgocgagat	ggcggcagct	gcggaacgaac	ccagcaaatac	cagtgcact	660
acagcgtttc	ctcctctcga	ggggctcggag	gcgaatggga	gctcatcccc	tgcgcctgtt	720
gatggcacia	ccggtgggac	caagaagcgg	agtctgagca	aggtcgacag	cggcgcgatc	780
ttccgcgaag	tcggttctggc	caagggttcgc	gagatgaagg	agaacgaaga	gcgtgaaaga	840
atcgaacggg	aggctcgaga	gcgaactgcc	catgcttga			879

<210> 15331

<211> 342

<212> DNA

<213> A.fumigatus

<400> 15331

gtcgactctt	ttgccgcaga	gcctcgcggt	tgcategacg	tcgctaata	ttccacagaa	60
ccaccagaag	tccaatttat	cgaactcccc	agtacatccg	ataccacacg	gcccaccccc	120
atgcaccccc	acatctatag	caacggcacc	atctgcctcg	acctcctcgg	ctctgccggc	180
tggctgcctg	tgcacaacgg	tgaagcgctc	tgcattgagta	tccaaagcat	gctgacagca	240
aataaccgca	acgaacggcc	tcccgggtgat	gctgaatttg	tctcatataa	caagcgccgc	300
ccgcgtgata	tcgctttcat	gtacgatgat	gataatgtgt	ag		342

<210> 15332

<211> 492

<212> DNA

<213> A.fumigatus

<400> 15332

gtttctcatt	gtgtttgttt	ttgtcttctg	tccttcgcct	tttgttctat	ggagctactg	60
tccctttggc	agaaagatgc	taatcatggt	atggttgtct	tagtctcttc	tatgttcaac	120
aagctgtccg	ggcagcccga	gagttacgaa	aaaaagtag	tgttccaagc	cctgagcctc	180
cttgtctatc	atctcaggcc	cactgaagac	attatgctta	cctcttctag	agcgtgtgat	240
agatttgga	ggacgctagg	tgcaggcact	tatggtatcg	tccgtgaagc	agagagcagc	300
gggggaaagg	tcgcaatcaa	aatcatcctg	aagaaaaatg	tccgcggcaa	tgagcgcgat	360
gtctacgacg	agctggagat	gttgaggcc	ctcgatcacc	ccaacattgt	tcactttgta	420
gattggttcg	aatccaagg	gggtgcagga	gcttctttgc	tgaccgtccg	ccgatcgcaa	480
tctgactggt	ga					492

<210> 15333

<211> 480

<212> DNA

<213> A.fumigatus

<400> 15333

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tcttgtgcag	cccaaataca	gactaacact	actacaatag	ctgaggctct	cggcgtgtc	120
tacggcgta	ttaccgccc	ccgcggccgc	atcatctccg	aaacaatgaa	agaaggaacc	180
cccttcttca	ccatcctggc	tctcctcccc	gtcgctgaat	cattcggtt	cgtgaggaa	240
atccgcaaac	ggacgtcggg	tgtctcacag	ccccaaactca	tcttcgctgg	cttcgaggcc	300
ctaaacgaag	atccgttttg	ggtccctgct	acggaggagg	aactggagga	tttgggagag	360

ttggctgacc	gtgagaatgt	ggcgaaacgg	tatatggacg	ccgtacggag	gagaaaagggg	420
ttggttggtc	aaggtaggaa	gttgattgat	gcggaagaagc	agaagacgtt	gaagaagtag	480

<210> 15334

<211> 591

<212> DNA

<213> *A.fumigatus*

<400> 15334

aatgctttcc	tggcggtcgg	cgataagaca	actcggttcc	gacgaaaaat	acagctggag	60
attgttcgtg	cgaaagggcct	tccgcgcgtc	ctgcgcctgt	tgcagtcctc	ataccttccc	120
ctcattctct	ctgctgttgc	atgcatccgc	aatatctcca	ttcatcctct	caacgagtcg	180
cctatcatcg	acgcaggctt	ccttaagccg	ttagtggacc	ttctgggctc	gacagacaac	240
gaagagatac	aatgccacgc	tatctctaca	cttcgcgaacc	ttgccgcaag	ctctgatcgc	300
aacaaagagc	ttgttctgca	ggccgggtgc	gtacagaaat	gcaaagatct	ggtccttcgg	360
gttcctctga	gcgtgcaatc	tgaaatgacc	gctgcaatcg	ctgtgctggc	tctcagcgat	420
gaattgaaac	ctcatctgct	caacctcggt	gtcttcgatg	tgctgatccc	ccttacgaac	480
tccgaaagta	ttgaggtcca	gggcaacagt	gctgctgcct	tgggcaacct	ctcctcaaaa	540
ggtacgtcac	cagctatcgc	tctactactc	tcacaattgc	gcaagtacta	a	591

<210> 15335

<211> 339

<212> DNA

<213> *A.fumigatus*

<400> 15335

gcaccagttg	gcgattactc	gatcttcggt	cgtgactggg	ctgaccccaa	cggcggcatt	60
cacggttatc	tcaaaagggt	ccttgcaagc	ggtgacccta	ccttccaaca	cattgccatc	120
tggactcttc	ttcaattgct	ggaatcggag	gacaagcggc	tcatcggcta	catatccaaa	180
tctgatgata	ttgtacagat	ggtcaaaaacg	atctctgaca	agaacatcga	atcagacgaa	240
gaggatgggg	aggatgggtga	ggccgaggtc	attgcgctgg	cacggcgatg	tctcggttta	300
ctcggaaacg	gtccaaaaca	gactcttgct	gaaggctaa			339

<210> 15336

<211> 756

<212> DNA

<213> *A.fumigatus*

<400> 15336

gttgagatgg	caagcagtct	acctcttttg	gctattccag	gtcagcgcct	ggggccagtg	60
tcgctcttatt	ctgcaggacc	aggtacccac	gtgcagaatg	ccaacattta	tgcattccatt	120
gctggaccag	tggttctcca	acaagctcaa	cccagctcca	aattaaaatc	tatcctcagc	180
gtctcgcgga	acctgccgag	gaaaacggac	ccttctacct	cgaccacacc	tgtgaaagcc	240
accaccacta	cgaaaccgaa	attgaggtac	aacactctcc	ccgctgtcga	ctccattgta	300
ttagcacgcg	tcacccgtgt	ccagaaaacgc	caggctacgg	tctccatcct	cgttgtgctc	360
gatgagtcgg	ctggttccca	agaccctgat	ccgtcgaaga	cggttcgaga	caacgacaat	420
attgtctcca	tccttgcttc	ggcggccaat	cctgagaatc	acagtaactc	cgacgagctt	480
cgcttttcagg	cgcttatccg	gaagggaagat	gtgcgtgctg	ttgagaagga	ccgcgttgtg	540
atggatgaga	tgttccgtgt	tggagatatt	gtgcgtgggt	ccgtcatttc	cctgggtgat	600
cagagcttct	attatcttac	cactgcgcgc	aatgaccttg	gcgtcgtcat	ggcacgtagc	660
gaggctggca	atatgatggt	tcgggttagc	tggaaaagaga	tgagagaccc	cgtcacccggt	720
gctgcagaat	tgcgaaaggt	tgctcggccg	ttttga			756

<210> 15337

<211> 486

<212> DNA

<213> *A.fumigatus*

<400> 15337

cctttcatca	tggccggccc	ccaacggcct	gcctccggcc	tacccaccag	gaggacggga	60
acacgacaag	cagtacggcg	cccgaactcg	tcagcgactg	agagaaggac	atcattggcg	120
ataccggcaa	aagcttctgt	ccctaacgcg	tctcgtctga	agtcacccag	cgacacgccc	180
agcatctctg	cgataaggaa	tcagagagat	tatgagcgcg	aaattaacga	agacacgagt	240
attcacgtgg	ttgtacgctg	ccgtgggcgt	aatgatcgcg	agattaagga	aaacagcggc	300
gtggtagtat	caaccgaggg	agcaaaggga	aagactgtgg	agctgtcaat	gggtccaaat	360
gcagtttcga	ataaagctta	cactttcgac	aaagtctttt	cagctgcggc	tgatcaagtc	420
actgtatacg	aggacgttgt	tcttccaatt	gtgaacgagg	tcagctattt	actgcaaacc	480
ttgtga						486

<210> 15338

<211> 645

<212> DNA

<213> *A.fumigatus*

<400> 15338

cacgtcttca	gggcctcttc	ggggaagggg	aagctaactg	caagcagaga	atcaaaactc	60
acacggttgt	tgcaagattc	tctcggcggg	cgaacaaaaa	catgcataat	tgccacaatc	120
tcaccctctc	gtagcaatct	cgaagagacc	atatccacgc	tggaactacg	attcagggcg	180
aagaacatcc	gcaataaacc	tcagatcaat	tatatggcga	aaaagactct	tcttcgagag	240
ttcacactag	aaattgagaa	gttgaaaggg	gaacttatcg	ccacaagaca	taggaacggg	300
gtttacatga	cacccgatgc	ctacgagcag	atgacgatgg	agagcgaatc	ccgaagaatt	360
gtcaacgagg	aacaaagagc	caagatcgag	tccatggagt	caagcctacg	gaacaagggt	420
caagagctat	tcacgttgac	cagcaacttt	aacaacctca	agaaggatca	tgaggataca	480
cgtgctgctg	tgaacgagac	caacgagttc	cttgagaaaa	cggagattgt	tttgaaggat	540
acaagagcca	ctctcgaaga	ggaagaaatg	ttacgcaaag	cccatcagga	tacggaagcc	600
caactacgcg	atattgggtc	cgattttggta	ttgacgctgg	aatag		645

<210> 15339

<211> 495

<212> DNA

<213> *A.fumigatus*

<400> 15339

acagttgggtg	atgtggaagg	gttgacgcgc	aaattagaac	ggaaagcagg	cctcgaggca	60
acaaatcgag	agaaatggga	gacttctgtt	gacgaagtta	ctgatgtgac	aagcatggtc	120
gacagtaggg	tcgggtcatt	cttagaccga	cactcgaagc	tcgctgaaaa	cttcacacgc	180
aagatcaaca	cttttgtcga	gggtgaactg	atccaattcc	agtcaactga	agaagcactt	240
cgcaattaca	atctctcttt	cgaaaaagcg	ctacgtgagg	ctcaggctca	gacttacaat	300
tctcatgatc	agatgaacaa	cgtcctcgaa	gagattaagg	ttctgcgcga	ggaagtcaaa	360
ggcagggtcg	gagagggttt	aaatgggtctg	tcagcagcgc	cagcccgat	ctcgaaagag	420
gtcatcggcg	agttttcaga	gtttcacgcc	caggtgagct	ggattcccg	gttacggcca	480
tgtaccaagt	gctaa					495

<210> 15340

<211> 1476

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (1040)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15340

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gcccattgtca	atagccaaaa	agccgagatc	catcaacttc	gcctacaact	tcaggaggct	120
aatcagcagt	ctgttgaggc	gaatcgcaag	gcctcagcac	atctagccca	agtcattggag	180
gaggaacatg	cgcacgctga	agcggaacgg	gatacactca	tgtcacagat	caggtcattg	240
attgaagaat	ctcgccagag	acaattcggc	cgtttgaagg	gcagagttga	gtgtgtgcgg	300
accgacatca	tgtcttcggg	tgactccttg	gaacaagcga	caacgcacta	tgatcggcag	360
gttgatgaat	gggtattcaa	gtcggaacag	tttgccaaag	atgtcattgc	atctcgagat	420
gaactcaaaa	ccaagatgca	gcatgattgg	gaggtaagaa	accatctctc	aattagtgat	480
gtgtcaatac	tgatttcgca	gacatttgat	caacgcaacg	catctattca	gaaagtcacc	540
gagtcagtgc	acgaagagac	cgtccggatt	gtggatgcc	agatgaaaga	tatgagtaga	600
cagatgggcg	cattggatga	ctttgtcgcc	aaggcacgag	cacagaacgg	ccagtactgc	660
gacgcccaca	tgactagcct	acagaccatg	gcgtccaata	cccaacaatc	ctacgcagca	720
tatgaagaac	acctatccag	ttctcgtgac	cgaatcacct	gtttgcagga	ggacgcaaat	780
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ttgtcggagc	ttcgcaactaa	cattcgggaa	cgccctcttc	aagagtatat	tccaaccggc	900
atcactcctc	aaaagaggca	ttatgagtat	ccaacgacct	tgctcgaac	cgagtgcgat	960
gatgccttgg	tcaaaaggat	gaggatctcc	aaggaacttg	aggccctgcc	atttagcaac	1020
ggtgagccaa	gcgcttctgn	tacttctcaa	gacagttcta	cccgcggcac	tccatcaaaa	1080
ggcttcgtct	accacgatgt	tgaggacgag	gtaggagccc	agcaacctcc	gtccactgcc	1140
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gcatgtgaca	ctgatgatga	tccaaccgcc	actcaatcca	agtcttccat	tgcagcaaac	1260
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gccaaaagac	actgctccag	ctctggtgta	actgataaca	agcttcccca	gaagatgctg	1380
acgaagaaaa	tggccggcat	gatggaaggc	agagaaaatg	ttcctctgcc	cggatcgctg	1440
ggacgaaggc	tcagaagcca	acatgcctcc	gattaa			1476

<210> 15341

<211> 210

<212> DNA

<213> A.fumigatus

<400> 15341

gtgatgacca	catcgatca	tgtgagaggg	gcggatgacc	ccctggagca	cgggccatat	60
aacgccgtgt	gcgcaacatg	cgggtttggt	tacattttcc	tttttcagtc	tccgtcgagc	120
cacaacaaac	gttggcctaa	ttactttgat	atctacggag	agggacaact	taccgacatt	180
cagcgaccaa	ccgaacaatt	ttcttgctag				210

<210> 15342

<211> 657

<212> DNA

<213> A.fumigatus

<400> 15342

cggaacacaga	tgctcggggg	ctacaactgt	actatcttcg	cgtaacgggca	gacaggaacg	60
ggcaaaacgt	acaccatgtc	aggtgatatg	acagacactc	ttgggatact	ttctgacaat	120
gctggtatca	taccacgtgt	tttgactcgt	ttgttccaca	agctcgagga	tacggaaagc	180
acggtaaaaat	gctctttcat	tgagctttac	aacgaagagc	tgcgcgattt	gctttcagcc	240
gaggaaaacc	caaagttgaa	gatattcgag	aacgagaaaa	agggcaccag	tggcagcaca	300
cttgtacaag	ggatggaaga	aacgtggatt	gactcggctt	ctgctggtat	taagctactt	360
cagctttggca	gccacaagcg	ccaagtcgct	gcgaccaaata	gcaacgacct	tagctctcga	420
agccacacga	tcttcacgat	tacggtctat	accaagcgga	ccactgagaa	cgggtgacgac	480
tacatcagtt	ctggaaagct	caacctggtt	gacctggctg	gtagtgagaa	tatccagcgc	540
agcgggtgctg	agaataagcg	agctacagag	gctggtttga	tcaataaatc	tctgctcact	600
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<210> 15343
 <211> 597
 <212> DNA
 <213> A.fumigatus

<400> 15343
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 cacctctacc ccgcagtcga tcttgccctac tcctcatccg atcccgtgca gaagccagtc 120
 attctgcagc taccttcaaa tggccttcgc ttgcgatttg atgggcccga tcaaaggcta 180
 cggctcattg aggtgctaga cttctcgaaa atcactctgg ttacaaaaaa tcaagaagta 240
 atgaaggccg taaaaccaca agaacaagcc gtttcgcaac aaggtcctag ttttcgtcat 300
 atctacaatc gcctcttcgg gccctcctac ccgggagaat atactcctcc aggtgacggt 360
 caatcacctg atgggacata tgtgctctcg tatccaggga ttgcgttctc gttccctcta 420
 cagaactcag catggtcggg gcaatgtgac ttgttagccc tgctttcttc atcggcagct 480
 ttaccagcaa catccatggc tatatttcag ggtgcctcgt ggccggaggc tagggataaa 540
 ttattctcgc agcagccgca atatcctcgc tttccagcac tgagcgctag atattgt 597

<210> 15344
 <211> 885
 <212> DNA
 <213> A.fumigatus

<400> 15344
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 catgaactac tggccgacca agcgccecaa gacgatgcgc cggataccag ccttttcgag 180
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 agacggaaaa gaatcgtcgg cggcaaaccc aagcgcgtcc ggacgggctg cctcacatgt 300
 cgcgagcgcc atctgaaatg cgacgagact tcccaccggt gccagaactg tcgcaaactc 360
 gggagaatat gcagacgtgg cgttcgggtt aatttcattg atacacagac tgtggcacct 420
 ccacactgta ttcctcgctc tcttgaggca tccgtcagtt ttccgggatga gtccagagtt 480
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 ggtaacttca ccggcaatgc gctctcagcg gattattccg tcttgcccga tcagagtgtc 720
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 ctcaacgacc ccgacgacat cttgctgttg cgggtcttcg tcgaggaggt ggggtctatgg 840
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<210> 15345
 <211> 1878
 <212> DNA
 <213> A.fumigatus

<400> 15345
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 gctcaaggcc caggcggaac atcaccgcct ccacagcgag agcgcctga cattgatgaa 180
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tggatattcc	agaatacact	tgtgtatcag	ctcgacgaac	tgggtgacct	tcccataaaa	1800
gaaagcgtca	ttcttctcgc	tcgcaaatcg	gttcaagcta	ttgctaacct	ggatccaatg	1860
catcagcagc	aaggttag					1878

<210> 15346

<211> 201

<212> DNA

<213> A.fumigatus

<400> 15346

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gaggaacgca	cctctccacc	caacatgac	acacaggaag	ccgccaaaag	caagcccaag	120
gcagccccc	actccgagga	cgagattgat	ataggactga	tacaaccctc	ggtactcgat	180
acgtacaagg	tcactagata	a				201

<210> 15347

<211> 855

<212> DNA

<213> A.fumigatus

<400> 15347

agcacatata	tggcgactca	tagctctttt	tttggatatg	tcctgtcatc	attgcccttt	60
atttttggga	atattgctaa	cttcttcaaa	gccatgggtc	ctgttgccga	gcagtttggc	120
aatctgcgta	atacgcttgg	gtccgctttg	gggattttca	caataatcag	atggtttcga	180
actttgattg	cgaagatcac	ggggcgctct	ccgccggctg	atgctgcctc	tcttaccctg	240
tctgcctttg	cggcctttat	gcattggcgt	tcggcgctcg	ctacgctccc	agacggctct	300
cctgctcctc	cgaagccttc	gaagaagcca	ttttcatgt	tccttatcgc	cgtcttcggg	360
ctccctact	tgatgggcaa	gctcattaaa	gccctcgcgc	gctcacagga	ggaacaacgg	420
aagcagatga	tgctaggacc	aaacggggaa	cccatgcaag	cgccattgga	tccatcgaag	480
cttgatttct	gccgagctct	gtatgattac	actcccaggt	ctcaggaaag	tgctggcatc	540
gatctggccg	ttaagaaggg	tgacattgtc	gctgttctca	gcaagacgga	ccccatgggc	600
aacgcactcg	agtgggtggc	ctgccgcgct	cgggacggcc	gtgttggtca	cctcccagga	660
ccttacctcg	aaaccatcca	acgaagacct	cggcagcagg	ctatcacctc	cggcagcgaa	720
gcgggcagcc	gcaccaatac	tatgacatcg	gtcattgaaa	agggccaggt	cggcgatgag	780
aagaagccag	tcctgaaggg	gaaaatgggt	gacatctcgc	cggagagctt	tcagaagagt	840
gcattctact	cataa					855

<210> 15348
 <211> 1107
 <212> DNA
 <213> A.fumigatus

<400> 15348
 gtggctgagc gctcgggtct tgcgcgactg tgtttgacat ccacggcagc ttctttctttt 60
 gacgaacgct cgttcggttt atggcgctct cgctctgagg aatgcctgtt cctctctgcc 120
 ttctctgggg tccggaattt gtccttactc cgtaactcct cctgcctaag cttttcttca 180
 tgctgtcgct tggcttcttc aagggctttg ttccaccgat caaggagact accacttcgc 240
 tcaggtttct tgcgtggcaa tgatcttcgt acttcctcag aggaactctt cgaatgtcgt 300
 ctctgtccct catccgggga tgcctctttt ctctgcgtg catgttcggc tgctatggcg 360
 actggaacaa cagctggcaa ggctgcttcc aatggctcca aggcatacat atctcttgag 420
 atttcctcaa caggtgttgg gtctggagtc tcttcggaga attccgcgcc cacaggagca 480
 gcttctttga ctgggacaga ctcttcaaca ggagcgcctt cctcgacaac ggcaggttcc 540
 tgggcaggta tctcctcggc ggcagcagca ggctcttcaa cggggccagg ttcaacggga 600
 gcaggttcaa cggaagcagg ttcaacggaa gcagattcct cagtaggagc ctcttccatg 660
 ggagcaggtt cctcagcagc cgactctgta ggaggggctt cctcagcagc aggctcttca 720
 acgggagcag gttcaacagg agcagatata tcagcaggaa cctcttccac gggagcaggt 780
 tcagcgggag tagattcttc agcaggagcc tcttccacgg gaatacgttc ctccgctgga 840
 gcagactctt cagggacgga cttttcaact ggctggtt cctctgcagg ttcttgcaaa 900
 ggtgctggtt cctcagcagg aacctctca gcgggggcag gttcctcagt aggaatctcc 960
 tggcagcag cggcagggtc ttcagccgga gccggttctt caacgggggc aggatcttca 1020
 actgatggag attcctcagc agcaggctct tcaacgggag caggttcctc agcaggagca 1080
 tcttccacag ggcaggttct ctcatga 1107

<210> 15349
 <211> 216
 <212> DNA
 <213> A.fumigatus

<400> 15349
 gaatctcttc ggcagcagcg gcagggtctt cagccggagc cggttcttca acgggggcag 60
 gatcttcaac tgatggagat tctcagcag caggctcttc aacgggagca ggttctcag 120
 caggagcatc ttccacagga gcaggttcct catgagccga ctcttcacga aggcctctct 180
 cggcatcagc agcagcaggc tctcccactg aaatag 216

<210> 15350
 <211> 2226
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (7), (34), (35)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15350
 cagtggnggc gtatctggcg gctcggccgt gtannaaaga agaccgagga ggctcctcaa 60
 gaaccaccgg agcaacctct gactgaagaa gtcgtcgaag aatctgcttc ccccgagtct 120
 gtggccgaag agccagcatc tgccgagcag cccctctctg cagatgagcc tgcgcctgaa 180
 gaacctctga ctgctgagga gtcggccctt gctgtgcctg aagtggagga gcctgcgccg 240
 caggacagga cccctgttca aaaagctcct gctgcagaac agtctactgc tgaggatgtg 300
 accoctgagg aacctgcccc cgttgaagag gcatcggcaa aagaaccctg tgctgaagaa 360
 cctactccag gtgataaatc ctctccagtt gaagaggctg ctgtcgagga agcgctcca 420
 gccgaggaat ctgctgcgtc tgaagaatcc actcctgttg aggaggctgc cccaacagaa 480

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gaatccgcgg ctgaggagtc agtccagcc gaggaggcta ccgagtctat ttcagtggga 540
gagcctgctg ctgctgatgc cgaggagggc cttcgtgaag agtcggctca tgaggaaacct 600
gctcctgtgg aagatgctcc tgctgaggaa cctgctcccg ttgaagagcc tgctgctgag 660
gaatctccat cagttgaaga tcctgcccc gttgaagaac cggctccggc tgaagaccct 720
gccgctgctg ccgaggagat tcctactgag gaacctgccc ccgctgagga ggttcctgct 780
gaggaaccag cacctttgca ggaacctgca gaggaaccca cgccagttga aaagtccgtc 840
cctgaagagt ctgctccagc ggaggaacgt attcccgtgg aagaggctcc tgctgaggaa 900
tctactcccg ctgaacctgc tcccgtggaa gaggttcctg ctgagatata tgctcctgtt 960
gaacctgctc ccgttgaaga gcctgctgct gaggaagccc ctctacaga gtcggctcgt 1020
gaggaacctg ctcccatgga agaggctcct actgaggaat ctgcttccgt tgaacctgct 1080
tccgttgaac ctgctcccg tgaacctggc cccgttgaag agcctgctgc tgccgccgag 1140
gagatacctg ccgaggaacc tgccgttgct gaggaaggcg ctctgttga agagtctgtc 1200
ccagtcaaag aagctgctcc tgtgggcggc gaattctccg aagagactcc agaccaaca 1260
cctgttgagg aaatctcaag agatattgat gccttggagc cattggaagc agccttgcca 1320
gctgtgttcc cagtgcctat agcagccgaa catgcacgca ggagaaagag gcgatccccg 1380
gatgagggac agagacgaca ttccaagagt tcctctgagg aagtacgaag atcattgcca 1440
cgcaagaaac ctgagcgaag tggtagtctc cttgatcggg ggaacaaagc ccttgaggaa 1500
gccaagcgac agcatgaaga aaagcttagg caggaggagt tacggagtaa ggacaaattc 1560
cggacccagc agaaggcaga gaggaacagg cattcctcag agcgagagcg ccataaacga 1620
agcgagcgtt cgtcaaaaga agaagctgcc gtggatgtca aacacagtcg acgaagacc 1680
gagcgctcag ccacctatga agttgagcgt tcttcggggg aaaaggctgc cgtgcctatc 1740
gaaccagacc gacggaccag agagcattcg agtagtcagg gaggagaacg tagaagtacc 1800
tcctcaaggg atggccattc atcaggtcgc aagccgcgag ctttctgaa atacatgaca 1860
gccgaatcag aaacgaatgg tccccttctt aagatcaatg gggacaaagc tgctgcaa 1920
gtgcttgggc gtcggtcttc cccaagccat tcccatagcc accgtcactc gcacgaagga 1980
agagggtccg accgttccac gagctcccat catgcggcgg aggaggagca ggctcgacgc 2040
gagagacggg cgcggcgaag ggctgcagaa gaagtggagc aggcaaagga aagagaagcg 2100
accgaccatc atcgccaccg tcatagcgga gaaaccgcgc atcaccatca ccgacgccgg 2160
agagatgagc ctccaaagga agagtcgaag ctcaaaaata tcctcaaagc agttgttgct 2220
cattaa 2226

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<210> 15351
 <211> 303
 <212> DNA
 <213> A.fumigatus

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<400> 15351
aagaccacta tatcatgcct gaggcgactg ctcaaatat gttgcagggt gtctgtggct 60
ctagctgaga cgttcaagga gcaaggcctg caaaatgtgg ttcgaggaga attctccacc 120
gacacctacc tgctacttct ggaccagacg aattacctcg gtctattcgg agagctgac 180
agcaagttgg atggggatct taaggaggag ctcaccacgc tgcattgcaa cacagttgct 240
gaggccagaa agggctcttc ttggaagggt cgccgctttg ctttcttggg acagaagcct 300
tga 303

```

<210> 15352
 <211> 891
 <212> DNA
 <213> A.fumigatus

 <220>
 <221> unsure
 <222> (8)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 15352
gggggttntt tgggattgag cgccttgagg agcgcagttt ccacccctgg tgaagactcc 60

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ttcacatttt	tgacgaccaa	ttccaggccc	tccaccagaa	ccagcccatc	cagcaaccga	120
caccgttcaa	agactttatc	actcacttcc	tggcgacccc	ccaagcagcc	ccagctcgac	180
tactggaccc	gcctccttca	aaaccactcc	ttcgacttcc	catccgccgt	catcgaacca	240
aagctatcca	gcaccgaggt	tgccaaaatt	gatgcgtccc	tgggcatcaa	tggcctggcc	300
agttccaccg	gagtcacggc	cccgatcgtg	ttccagacgg	cctactctct	cctcctggcc	360
caccttagtg	gcgacggga	cgtgatctac	gacaatctgg	tgacggggcg	aaacgtcgcc	420
ctcgacaacc	cgcagctcat	caatgggaac	tgcgcaaact	tcttaccgta	ccattcgtat	480
gtggcagatg	atatgccaat	tgagaccctg	ctccgggtcca	cacaggcaga	cttctggacg	540
tcgacggaga	acggcctagt	gtcgctcggt	gagatatatg	aggctctggg	tcgcatcg	600
tccactgccg	cgcgcaaatg	tctcttctgc	ttccagccat	tcgagccgg	caccgctcag	660
caggatccaa	tgcgctgggt	ggatcatgaag	atgagcaaga	accggatgac	tttcaactat	720
gccatccaga	tggaggttgt	caaggcggcg	gccaagggcg	agtatcttgt	gcgattcggc	780
tatgatgaga	gagcgttctc	cgctgaggag	gctcggggcg	cgttggcatg	gtatactcgg	840
tgtttagatg	gcatggtgaa	aagcaagggtg	gttgggggagc	tgggggtcta	g	891

<210> 15353

<211> 1152

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (31)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15353

ttgttacgca	tagcgcggt	ccttcgagcc	ncctgtgggtg	aagacgctcc	cgcacctttc	60
ggtacactca	agactgctgc	attgtctgaa	cagcggaatc	cgttctccac	gacaggcgct	120
cgcccgctgc	tacgtgtctt	tgacatactg	tatcttaatg	ggcgagactt	aactggctac	180
acacttcgtg	atcgtcgcaa	agctttgcag	aaggctgtcc	gcctgttcca	tcgcagattt	240
gaaatacatc	cctacgaaga	agctacaact	aaagatcagg	tcgaagctgc	gcttagaaaag	300
gtggtagctg	aagcttccga	gggtttgggtg	ctcaagaacc	ctcggtcacc	ttaccgcctg	360
aacgagagac	acgatgactg	gatgaagggtg	aagcctgagt	acatgaccga	gttcggagag	420
tcttttagatc	tcacgtcat	cgggtgggtac	tatggctccg	gtcgtcgagg	cggcaacctt	480
tcaagttttc	tctgcgggct	aagagttgac	gatggccatg	cctctcaggg	tcgcagcgcg	540
tcaaagtgct	actccttctg	caaagttgga	gggtggcttta	atgccgctga	ttatgcaaat	600
atccgtcatc	acaccgatgg	taaattggatg	gagtggaacc	caaagaaacc	tccaacggcg	660
tatatcgaat	tggcaggtcg	agatgctcaa	tatgagcgac	cggacatgtg	gatcaagccg	720
gaagactcag	tcgtcatctg	tgtcaaagca	gcctctgtat	cagctagtga	ccagtttcgg	780
cttgggctga	ctttgcggtt	tccacgtttc	aaaaggctgc	gcatggacaa	agattggaaa	840
agtgtctctgt	ctgtgcagga	attcctagat	ctcaagtcga	acgttgagca	ggagcaccgg	900
gaaaaggaac	tgaacgtgga	caattcccgt	aggaaacgcg	tcaagaggac	agcgaagaag	960
cctctcacgg	ttgctggata	cgacatggac	gaagatgtca	agtatgctgg	tccatctggg	1020
catatatttg	acggattgaa	cttttgtgag	ctttacaccg	ggcagctggg	cctgttcatt	1080
gatggtgtac	taattatgcg	aggcagatat	tctgacagat	tcgagtgcgc	ccatcaagaa	1140
aacaaagcct	ga					1152

<210> 15354

<211> 192

<212> DNA

<213> A.fumigatus

<400> 15354

ccgccacagc	gccaaagccg	catctcgtac	ggatggacac	tccacgatgg	tcccaccacc	60
tacagttcgg	gcgtgttaca	ggctgttcct	tttcattttg	ctaccagcag	cttacacccc	120
accattccta	ttctcgccaa	atgttggccg	gatgaggagg	ctgtgcgac	acaggtcggg	180

cactgcactt ga

192

<210> 15355

<211> 825

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (21)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15355

catatccggt	tacggcctac	nttaaaccgg	gcgaagattc	gtcacaagag	cttcaaggtc	60
gagtgtcct	ttgcacaggt	ctcagtggac	atgttcctgt	tctcttcca	ataccaggat	120
gtggcatctc	ttagcaacct	gccgagatat	actgggtggc	aaacatactt	ctatccggga	180
tggaatgcag	cccggggaga	ggacgcgatt	aaattcgcta	gggaattctc	tgagtacttg	240
tcttcggaga	ttggacttga	agccgtcctt	cgtgtccgtg	ctacaactgg	gttacgcatg	300
aatacttttt	acggtaactt	cttcaaccgc	agctccgacc	tatgcgctt	tcccgcattc	360
cctcgcaacc	aagcgtacgt	tgttgagggt	gctattgatg	agaccgtcac	caagcctatt	420
gtttgcttgc	agactgctgt	cctccacact	acatgcaatg	gcgagagaag	aatccgggtg	480
ttaaccctcg	ctcttcccac	aacgcagaac	cttgccgatg	tatacgcac	ggcagaccaa	540
caagcaattg	cgacttactt	cagtcacaag	gctgtcgagc	gggttctttc	aagtggactg	600
gaacctgccc	gtgaggccct	acaagccaag	gctgtggaac	tctgtcgac	atatcggaag	660
gagcttgctg	gtggaaacgt	gagcggaggc	gggttgcaat	tccttgccaa	cttgagaagt	720
cttctgttgc	ttttcttggg	gatgatcaaa	aacgtgagtt	ttccttgctc	taccttttat	780
tccttgacc	aatctgtcac	gtccccgggt	gaaactgtcg	gctaa		825

<210> 15356

<211> 510

<212> DNA

<213> A.fumigatus

<400> 15356

aggctccttt	tccttttctt	cattcaatac	atttaccoga	agatgtattc	actccacgac	60
atgcctgaca	ttgcaggatt	gccagatgag	cagactggcg	agatcgttct	ccctcctcca	120
gtcaatctgt	cttctgaacg	catcgtgccg	tacggctctt	acctgattga	cgacggacag	180
acccagttcc	tttgggtcgg	gcgtgatgca	gtgccccagc	tcctccttga	tgtcttcgggt	240
ctacctgacc	gatcccaact	ccgcgtgggc	aagcagaacc	tcccggagct	tgacaatgac	300
ttcaatcaac	gagtgcgggc	ggtcattgag	aagagccggg	accaccggtc	aaaggggtgt	360
ggcagcatcg	tgggtgcctca	cctgtatgtg	gtcaaggaag	atggagagcc	aggtcttcgg	420
ctgtgggccc	agacgatgct	cgtggaagat	agggccgac	agagcgtcag	cctgggtgcag	480
tggatgggtt	ctctgcgaga	aaaggtttga				510

<210> 15357

<211> 204

<212> DNA

<213> A.fumigatus

<400> 15357

gttcaccatc	ctgtcccgtg	ttacctgtca	gtattttctg	ctgcaaggct	ctctccagat	60
atcaagttac	aaatttgcgc	ctcgtacacg	atcgacgaag	cagaacattc	tcattggggaa	120
actgaaagtt	tctataattc	tgcctttagt	atatacatcc	acagcggccc	ctctctgagt	180
gatccaaggt	tcagtcccgg	ctaa				204

<210> 15358

<211> 816
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (783)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15358
 tttggcgacc ccgaggagtc agcctctgat cttgacgatg atacctccga cctgccattc 60
 cctgagcctc tcaactcgagc atcattttctc gcccccgact ttaaccccgc agactacctc 120
 tcgtccttgg ccaatcggca ccagagcctc gaagacctcc gacaagaact gcggaatctg 180
 gaccaagcgc tcagtcggga gttgctagat ctagtcaatg aaaattatgg tgattttctta 240
 tctcttggca gcgcattgca ggggggcgaa gagaaggctc agcaggttcg ggttgggctt 300
 ttgtcatttc agagggaggt tcaagctata cgggataagg tggagcgag gcaaagcgac 360
 atggaaaaac tcctgaatga aaagaggcga ctgacagggc atgcgaacat tgctcgggcc 420
 ctattagact tcgcagagcg tgttgaggac ctggagaaac gattaatgat tggatgacga 480
 ccgaccagc accaacgcga atcgcccgag ggactcgaca cggactcgga cctgctggac 540
 agcgagagtg aggaaagtga tgaagaggac ctgcccactg gctcgtctgc agctccgcta 600
 gtgtctctgc ggagactgga aaatcacata cagaaatacg tctacctcac ccgactggct 660
 tcacggattg gtgatgacca tccattctta cttaaccaac gaccccggtt agcgaaaatc 720
 agggccacgg tgctcgtgga cctgaaaaca gcacttgagc aaggcagtca tgctggggcg 780
 aancgggata cgaaaacgat ggccgtattg cgactc 816

<210> 15359
 <211> 543
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (96), (126)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15359
 taccgcccc gcacgagcga tgagcatata gcgttgccgg agcagctgtt gacgctggct 60
 tcgacggacc cggctgtggc atcatctatg ggtcgncgcg gtttggcggg tgcagtcctc 120
 gtgacnacgc cccaggctgt tgcgacgtcc gatgtgcgca aggaggccat tttctgcgtg 180
 aagacgcaga tcccgcgctt ggggtgtgatt gagaacatgt ccggttatac atgcccttgt 240
 tgtggggaag tgagcaattt attttctagt ggcggaggta aggtcatggc ggaggaattg 300
 gggatcagat ttttaggtac tgtgcctgtg gatgtcaaat tcggcgaact ggttgaaggg 360
 aagatggttg tggatagtga ctcgatgaa gaggatgggc ctactcaagc tcaacagcca 420
 gaggaacctg tcgacaacag gccacttggt gagcgggata aggactgctg gtcatactct 480
 cgatttgagg agtttgcaaa gacattaata tctcagattg agagcggaag tgccgcgagt 540
 tga 543

<210> 15360
 <211> 1323
 <212> DNA
 <213> A.fumigatus

<400> 15360
 tgggatgatt ttgacaacaa accagaaatc gagactttct tcatatttta tgtggaccct 60
 ggtttgttga taatggatta taggtcggac aggtgtcat cccaccacgg agtccaacta 120
 tcgccctcac tttctggcca gaaatgggtca cagctcacac cgtctcactc ccgtccggta 180

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gtcgagactg ttgggtccatc tcatcaagca agctccggcc gttatagagt tgctctagat 240
acctctgcac ggacataaccg caccactgcc ttacgtcaaa tcaatgggaa tcacagacct 300
ccgtcctggg tcaatcgcca ggccaatcgt tctggcaatc ggctcctcgac gttagcgtct 360
cagccagtac tgggttcgggc gtattctgga agtacagatg acactggaga aatatccaat 420
atgccttcac ggctgtcatt tccattctca gttcggctctg gaacgccaaa gcgtggccca 480
agccttccct cagaagatga ctttagtatt gatggcattc tgcgagccat cgagcctgaa 540
attcgaaata ctttggacgc gattggcgaa atatgcggcc gaagcaaact cagtttggcc 600
aacgagtatg ggagtcatat cgcacccttg ggagagattc gggctcccc tggcggctctc 660
ttgactgtcg aggaagccag ttcggacat gagagacaac ctgatgatgc tatgataatt 720
tttgacgatg acagtaacag tgtcatgggt gtgcgagatt acaccactct gcctcaatat 780
cgttacttag aacagaccag accatctaca atccccctt ctacgatggg gtatcactca 840
ttcgtgccgt tctctgtcgc agagggcttg tctgtcctcg cgcagtctgc caatctcgat 900
gaaaacacct cggaccccg tgcagattca ttgcctgcga ctagggaatt catgtcgaag 960
ccgaactcaa gcggtcgaac attgctcgga aagcagagcg agtgcattac agaggaccat 1020
cttaagagta ttttgacacc tgcgctggta gcagagatcc gcctcgaggc acaagccaac 1080
ggccattcat tacacgcatt accttctgac tctcgccgag gccagctgtc cgcagcagag 1140
aatggtgata ccgcgacaag ggatggtgga cagacagata aactgtctgt actgacagac 1200
gtgcaagcgc tgttcaactg gcttaggaac gcttctcagg acggtcaacc tcggtccgct 1260
gaaaagctgc tgcgtgccat gctcgagaaa caaatgaac atccgccaag gaacacatgc 1320
tag 1323

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<210> 15361

<211> 285

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (221)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15361

```

agatctcacg aatctttccc atttgaacga gcctgctggt gccgctcttt cgtctgtatc 60
ataatcaact ctgtcgtctga ttgctccgaa gttctgcagg ctataaaact ccgttacgcg 120
cagaaagaga tatatacata cagcggcata gttcttattg caacaaacct cttcgtcgg 180
gttgactcgc tttatgtacc acaaatggta caggtgtacg ntggaaagca ccgtgcctcg 240
caagcaccac atttgttcgc catcgcgagg gaggcgtttg cgtaa 285

```

<210> 15362

<211> 183

<212> DNA

<213> A.fumigatus

<400> 15362

```

acaattctct ttcgtgagag aagccgaaaa acgttcgaga ctacacaagc cgacttgcaa 60
atggacaatc accccaaatt gccgccttta atgaatcctg caatgctgga agcgagtga 120
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<210> 15363

<211> 3240

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (70), (3229)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15363

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aagcgacgga	gtgctggggc	tgaaaaaatt	gacactgatc	gcttcagcgg	cgcgtaacaat	3120

cctcggcctg tatctatggc aatccccgagt tgcacttttcg gtcgccagaa cttttccgggg 3180
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<210> 15364

<211> 891

<212> DNA

<213> A.fumigatus

<400> 15364

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 ggaggggaacg tggcgtagac cctgtcacct gccatgcaca atgctgcttt tcggcactgc 180
 ggcatgaggc acacgtatag cattccagaa tctccttttc ttgcggcgtg tgatcggtgc 240
 ggccgtgatc cgcatttttg gggggcgagt attgtgcagc cgtggagggt acaggctctt 300
 cagaaaactcg catctaaaag cagacatgct gaagctattg gggccgtcaa taccatcatg 360
 cccctgcgtg cagcgctga tgggacgatg tttcctttac aagagcaagc aagccgccgt 420
 aaccaggcag ggctgttct gggatggtag ggagaaaaca cagactgggt gagtattatg 480
 acttgatca gtctcacct gtctccccgt aatacgaatc gcccttgaa atcagcaggc 540
 ctggttattg gagccggttg catggctcga gctgcgattt atgctatgct tcggctaggt 600
 tgccgaaata ttttcatata caaccgaacc ttatcacgtg cggagggtgt cgcactccat 660
 ttcaattcct ggcgtgcac gcagggtggc tcaaccgaag tagtacgggt gttgaagtcc 720
 cttgaagatg aatggccatt ggatacctgc ccgccatgct taattgcctc atgcgtgcca 780
 gcagatcctg acagagatga acctccagcc aacttcgaaa tgccgacaca gtggctcgga 840
 agtccaaccg gcggcgatgat tttggagggt agcaacgttt gtcgcgtttg a 891

<210> 15365

<211> 282

<212> DNA

<213> A.fumigatus

<400> 15365

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 ggattggagt tagtctcgga acaagcagtc gcacaattcg agctcttaac aggacggaag 180
 gcacctcgcc gattgatgac ccttgaggct cttcagaact atgttgggga ggacggtcct 240
 ctcgatgaga aagagatcca agcaagacta ggctatactt aa 282

<210> 15366

<211> 375

<212> DNA

<213> A.fumigatus

<400> 15366

tatggagtta ttgaacaatc gttatgcaga ttcggccttg gtcttccgca tcggcagtag 60
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 gagacttggg atcctgacaa ggtcctggca gaagccaaac ttgtgcaact ctctgactgg 180
 cctttaccaa aaccctgggt gctttcaaac cagaagctgc ttgctgaaat tctacctaa 240
 tgtgacttta aaccggcac gatgcaggag aggggttgtc gtgatcgga ggtatggaag 300
 tctctctacg aagacttccg tcgaagacga aaggtttgcc caaagattcg caccgatacat 360
 acggaatatg gctaa 375

<210> 15367

<211> 492

<212> DNA

<213> A.fumigatus

<400> 15367

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cagtgcggaa	atgatcaagg	ctggaggagg	tacgcgagtc	cgggttcaga	ggcacaattc	120
gccttctcgt	caaaagcaga	gctggcgcta	actttgataa	ctatcgacac	aggctctggt	180
gaatcttggg	ataagagtat	tgcgaaattg	ctcgcatctg	gcgagacaga	atacgatcgc	240
gttatacaca	tcgattccga	cgtgaccgtt	ctccagagta	tggatgagct	cttcttcctc	300
ccaccagcca	aagtgcctat	gcctcgggct	tactggggcg	tgccggatac	aaagacacta	360
tcgtccctgc	tgatcttgat	tgaaccctct	atcgcgatt	caaagccttc	atggagagtg	420
ctcagcctgc	tctccacggt	caagtggaa	ttgattcgaa	tgagacacag	aggtatgata	480
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<210> 15368

<211> 432

<212> DNA

<213> A.fumigatus

<400> 15368

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agcaacgaat	ggctcgactc	cttcaacccc	aagaccgggc	agatatttgc	tcggattcca	180
aacagctcgg	cccaggacgt	cgaagacgca	gtgcaagccg	ccgagtcggc	cttcgcata	240
tggtcgcaga	cccccccgct	aacacgcgcc	gcgcacctga	atcgcatcgc	ggcctcatc	300
gaagaacgcc	gcgaactctt	cgccgtatgg	gagagcatcg	accaggggaa	gactcttgca	360
cgggtcacggg	tggagattga	tcgcgccatc	tctaacttca	ggtacgtctt	tcgcgaatac	420
accggagatt	aa					432

<210> 15369

<211> 579

<212> DNA

<213> A.fumigatus

<400> 15369

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tccttcgccc	attaccgcaa	gatccgctcg	tatctctccc	tagccacca	atacgctgat	180
agcttcaagc	tcggctcggg	gcctccggag	acccggagcg	gaggctactg	gatcgaacca	240
accattctca	cggttcggga	cgacagcccc	atcatgaagg	acgagatctt	cggccccgtg	300
gtgacagtca	gctccttcga	gagcgaggac	gaggcgatcg	cgccggccaa	cgacagccag	360
tacggactag	cgagcattct	tctgacgcgc	gacggagctc	gcatgcgacg	ggtgggagag	420
cggctggacg	cggactgggt	ctgggtgaat	tgctggctag	tacgcgaact	ggggacaccg	480
ttcggaggca	tgaaagcgct	gggaacgggc	cgcgaggag	gcgattacag	ccgggatgta	540
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<210> 15370

<211> 471

<212> DNA

<213> A.fumigatus

<400> 15370

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gacacattcc	gcgacattcc	tatcaaagag	ggcgagatgt	tccttcttcc	aggtacgtat	180
tccgaattcc	agtcgatcaa	gctaacactt	gtaggaaaca	ccccccacaa	cccagtcgga	240
tacaaggata	ccatcgggtct	agtcatggaa	cgacagcggc	cagcagaatc	tcgcgatcgc	300
ctgcgatggg	actgtacca	gggaaatcat	tgcttcgccga	cgatcatccg	cgaggagggtc	360
tttcaactgcg	cagaccttgg	ctcacaactg	aagccaatca	ttgagcggtg	gcagcaggat	420

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471

<210> 15371

<211> 216

<212> DNA

<213> A.fumigatus

<400> 15371

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ctcaatccct tgcctctggg cactctggctg gccgagaatg aagacaaatt acgacccccg	120
gtcaacaact actgtctgta tcagggggaac gactttatcc tgatggcagt gggagggccg	180
aacgagcgca atgagtatca tgggtgcgac ttctag	216

<210> 15372

<211> 561

<212> DNA

<213> A.fumigatus

<400> 15372

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tcgccttttg tcaggcatcc ccgtgtcagg ggtgtttcgt tcaccgggtg tacagcgact	180
ggtgtccaga tccggaggga taccgtcgag gatataaggga agcatatctc gcttgagcta	240
ggcgggaaga atccgacgct ggtcttagag gacgctgac ttactgccgc tgttgcgacg	300
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tcagacggaa ctgacaaatt agatctgcct gtgtgggttcg aggatctacg tccaaaactc	420
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ccagaccgtc ggcgcgctcg tctccctcgc ccattaccgc aagatccgct cgtatctctc	540
cctagccacc caatacgtg a	561

<210> 15373

<211> 762

<212> DNA

<213> A.fumigatus

<400> 15373

gcattgcaat accttccagg cccgggctg tcacatcagg cactaagcca ggcacgtagt	60
tatatctcag agccgctgcc cataaataca tcgtgggtgg gtgcaaagtc aatatatata	120
ggacatccac cgaacaatat agttgtctcg agtttggtta accatgtctc aatgccgcac	180
atcatccccg ctgtatccgg acaacatccg gggcgggacg ggttccgagt ctacataaaa	240
agcagccgta acctcgggtc cccacgtca agatcgtgtc accaaccatc gcatctcagg	300
atcctcaaaa tgtccaacgg aactccctac tttctaccgc ccgaaaaggc ccaaggccta	360
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ctgatcgacc tgccgcagaa ctacgcgggg atgaacgagg agtggaataa ggtctggccg	660
gatcgggcca atgcaccgc tcggacgacg attgggggta aggagctgcc gaatccgagg	720
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<210> 15374

<211> 1242

<212> DNA

<213> A.fumigatus

<400> 15374

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tcttcataatc	attccaacac	tcctcctcct	cctcctccct	cgctcctctc	ctccgattcc	180
tcacacgcac	ccgcgcgaga	atcaccatgg	ctcaccctcc	atccaaaccc	caccaacccc	240
gaagaagtag	acatgtacgt	aggcgaccgc	ttcttcgcga	ctgtcgcgaa	aaactgctac	300
gacacggcaa	cacgactcgc	cgagatggac	gcggcaggga	ccgacgtgca	agtccttagc	360
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gcgttactgg	gacggatcca	gcatgggtat	gactgccggc	cggatctggt	ggcgggggat	900
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gccaaggatg	gccggttggg	gggcttcttg	tcttggaggc	agcgggctga	gattctcgcg	1140
gggaatgcct	tgagggtttt	gaatctggat	aaggatgaga	agtggcgggg	gctgatggag	1200
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<210> 15375

<211> 471

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (268)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15375

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ggtgggatag	cccgcacctc	aaacgaggtt	caggacacca	ggaggaagtc	ccgcatcttg	180
gattaccttt	ccaagtactg	tcgaattagc	catgagccta	acctcccgcc	agagaactca	240
caatatgcag	aaacgctagt	gatctcgnta	ggtttcgcaa	cagccgtaca	cccaaaccgc	300
agacacggcg	cgatcttcca	ggtttacagg	tacacgggca	tgttccacgg	cgcgatcagc	360
gcaaacactc	caatcgggga	gcggtgctcg	aacgtcagca	cattattgtc	tgtccagcgc	420
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<210> 15376

<211> 285

<212> DNA

<213> A.fumigatus

<400> 15376

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acgaccagcc	ctccgcccc	gcgacctc	tcgcgagaca	cctcaacgac	cacatcgctt	180
ccgtctgccc	ccaacaccgc	acccgattcc	tcggcctcgc	aaccgtgcct	ttacaagacg	240
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<210> 15377

<211> 312

<212> DNA

<213> A.fumigatus

<400> 15377

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gtcgcaacag	cggcagtaag	atcagcgtcc	tctaagacca	gcgtcggatt	cttcccgcct	180
agctcaagcg	agatatgctt	ccctatatcc	tcgacgggat	ccctccggat	ctggacacca	240
gtcgtgttac	caccggtgaa	cgaaacaccc	ctgacacggg	gatgcctgac	caaaggcgat	300
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<210> 15378

<211> 876

<212> DNA

<213> A.fumigatus

<400> 15378

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tcttctgatg	gctcctcagc	agagaatcct	gataattcca	ctccctgctc	gatagtgtgg	180
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ctattttcat	actgcgatga	agggacgtct	catacgacag	cgcccaacac	cagaccggac	360
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gccgtgaac	actttccaca	accctctgag	gcgatgcata	acacgccctc	tcctgcaaca	540
acatcaacta	cgtcttccga	ttcttcacag	catgtcaatt	gggggagaac	agaagttgag	600
cgagaaattg	agcgcaatga	cgcagaaaag	aattcaattc	cagatgacag	tggccccaca	660
gaccttccct	attctcattt	gattgcggaa	gctctcaagg	ccgctccctga	taggaagcgt	720
acacttcagg	agatctacag	ctgggttcgag	cagaatacaa	gcaaagggag	agatcagcgc	780
tcaaaaggat	ggcagaacag	tatccggcac	aatctttcaa	tgaatgcggt	atgtaatccc	840
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<210> 15379

<211> 810

<212> DNA

<213> A.fumigatus

<400> 15379

tcactcttca	tgaagggggg	aggettcgcc	ctgtccccgc	atttccagca	ggtttttcaact	60
tcgcacttcc	agaacaacaa	ctatttcgagt	tcagtcgcgc	ccagctcctc	ttcctcccac	120
tctacccatg	gacagacggc	ttcgttcgcg	caaagcggcc	ggccgcagtc	caccagcggg	180
ggcatcaatg	ctgctccaac	catccacggg	cgctactcga	ccaagtacct	cccctacgct	240
cttctggatt	ttgaaaagaa	ccagggtttt	gtcgacgcgt	tttcgggtac	acctgaaaat	300
cctctctggg	ctggcgataa	caccgccttc	aagttcgatg	tgtctcgcaa	gaccgaactg	360
aacgtccagc	tgtatcttcg	caatccgctc	gctcgacctg	gcgcgggtcg	gagcggaggat	420
atcttcctcg	gtgcgggtcag	agttctccct	cgatttgaag	aagctcaacc	atatgtggac	480
gatccgaagc	tcagcaagaa	ggataatcag	aaggcagccg	cggctcatgc	aaataacgaa	540
cgtcacttgg	gtcagtttagg	cgcagagtgg	ctcgaccttc	aattcgggtac	gggatcaatc	600
aagattggag	tctcctttgt	cgagaacaag	cagcgcagtt	tgaagctgga	agactttgac	660
ctgctgaagg	ttgtgggtaa	gggtagtttt	gggaagggtga	tgcaagtcac	gtcagtattc	720
agctctacca	tgcttctctt	aatgatcata	ctaactcttt	cacaggaaaa	aagacactgg	780
tcgaatctac	gctctcaaga	ccattcgtaa				810

<210> 15380

<211> 669

<212> DNA

<213> *A.fumigatus*

<400> 15380

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ggaactccgg aatatcttgc gcctgagctc ttgcttggca acggttacac gaagactgtc 120
gactggtgga ctctgggtgt ccttctctac gagatgctaa ctggctctcc accgttttat 180
gacgagaaca cgaacgacat gtatcggaag attttacaag agcccctgac tttccccagc 240
agcgacattg ttctccggc cgctcgtgac cttttgacga ggctgctcga tctgatacct 300
cagcgtcgcc ttggcgcaaa tggcgccgca gagatcaagt ctcaccattt ctccgccaat 360
attgattgga gaaagcttct tcagaggaaa tatgagccaa gtttccggcc gaatgtggtg 420
tgtatcaatc tcccatttta ccaagccctg ccactaacca taccattgca gatgggcgca 480
tctgatacca ctaacttcga cacggaattc acttcagagg caccacagga ctcgatgtc 540
gatgggcccc ttctgtcgca gacaatgcaa cagcagtttg cgggttggtc ttacaacagg 600
cctgtcgctg gtcttgga tgggtggcggc agtgtcaagg atccatcctt cggcagcatt 660
cctgagtga

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<210> 15381

<211> 471

<212> DNA

<213> *A.fumigatus*

<400> 15381

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catatcatct cgcgatcgga agtcacacac accctggcgg agcggctcgt gcttgcccaa 120
atcaacaatc ctttcatcgt tctctgaag ttctcgttcc agtctccga gaagctttac 180
ttggttctcg ctttcgtcaa tggcgagag ttgttccacc acctccagcg ggagcagcgg 240
ttcgatatca accgagctcg tttctacacg gctgagttac tctgtgcgct ggaatgcctg 300
catggcttca aggtcatcta ccgtgatttg aagcccgaaa acatcctgct tgattacacc 360
ggccacattg cactttgtga ctttggctct tgcaagttgg acatgaagga cgaagatcgg 420
accaacagta agtcgcctat tatgaagggtc atccgtctca ttcattggctg a 471

```

<210> 15382

<211> 678

<212> DNA

<213> *A.fumigatus*

<400> 15382

```

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gcaccaaggc tctgtggttg gccacgatgc gtttgcctcg caatgcctt gagcacgac 180
aagacggtaa tgctgtcct ccccatcgat ctatgcgtca agctaacct cgcagaattc 240
tggaatccc catcacacct gaaccaaata tccacccac tcatcaacca actcgcacac 300
gccacgaatt cctccacagc agccaccgta atcgccgagg ccgtgccagc gatcaccgag 360
ctggccgtgg ctgccgactc aacagacaac cacaaggaac ttaacacggc actgatgaag 420
ttctccgtc catctgccgg cccgaacggc aaacccgccg ggggcgagaa cccgcacacg 480
cgctcgcag cctcaaggc cgagcaatcg ctaccgagc agctgggcga ggagtggctt 540
gcccttctgc ctgagatgct gccgtatatc agcgagctga tggaggatga ggacgagaac 600
gtcgagcgcg aagtccgcaa atgggtgaag cagattgaaa acgttctggg tgagaagttg 660
gatgatatgt tgacgtag

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<210> 15383

<211> 306

<212> DNA

<213> *A.fumigatus*

<400> 15383

tggcaccgct	acatggagcc	gtcgactctg	tcagcggaag	agttcttcaa	gcggtggagg	60
cagattggcg	gtccccact	cgaggcgag	cacacgttcg	gcgtcactgc	caaggcgaag	120
aatgtcagtg	agacctttac	acgccgcctt	gtggaagggt	tccactggag	gatcctggag	180
aacgtggatc	caaataccaa	taatatcgtc	ggatgtgctg	tgtaccagtc	ccatggcgga	240
aagacaggat	gccttctccg	actagagccc	aactatgaac	gcaaggtaag	cattctctca	300
gcatga						306

<210> 15384

<211> 192

<212> DNA

<213> A.fumigatus

<400> 15384

tggaaaggtc	cgcggttcga	tcccgcgtgg	gtgcattaca	atgctttact	ttttgtgctc	60
cttttgggcc	tcatgttcac	atztatcctg	gatactatca	ctctagagta	cagagtacac	120
aaaatgtctt	ttttctttct	ggagcttgaa	gacacctgtt	tgttcatgct	cattactggt	180
cgctcgacgt	aa					192

<210> 15385

<211> 471

<212> DNA

<213> A.fumigatus

<400> 15385

tccaccccat	ccaccatgtc	gtccatgcgg	ggtctcgtgc	agttcattgc	cgatctgcgt	60
aatgctcgag	cgcgcgagct	tgaggagaag	cgcgtgaaca	aggagctggc	caatatccgg	120
cagaagttca	aggccggcaa	cttaaacggc	taccagaaga	agaaatatgt	ctgcaaactg	180
ctatatgtct	atattcaggg	gtatgatgtt	gatttcggtc	atltggaggc	tgtcaacttg	240
atctcctcca	ataagtattc	ggagaagcag	attgggtatc	tggctgtgac	cctgttcttg	300
catgagcagc	acgagctgct	acatctggtc	gtcaacagta	tccggaaaga	tctacttgat	360
aataatgagt	tattcaactg	tttggcgctg	catgccgttg	ccaatgttgg	tggacgggag	420
atggggggagg	cgttgagtac	ggacgtccat	cggctgctaa	tttcccctg	a	471

<210> 15386

<211> 792

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (742)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15386

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acaccaaaga	atgtccagca	aaacaatgct	caaaatgcca	ttctcttcga	ggctatcaat	180
cttcttattc	atctagatac	cgagcataac	ctcatgatgc	agatatcctc	ccgtttgggt	240
aaatacattc	agtctcgaga	gacaaatgtc	cgctacctcg	gtttggaggc	catgacacac	300
ttcgccgcca	gggccgaaac	tcttgacccc	atcaagaagc	atcagaacat	aatcttaggt	360
ttcattcgag	atcgagatat	cagcgtgcgg	cgcaaagggtc	tggacctgat	ctatagcatg	420
tgcgacacca	caaatgcggc	ccccatcggt	aacgaacttc	tacggtaacct	gcagaccgcg	480
gactatgcca	ttcgagaaga	gatggtcctc	aagggttgcca	ttctcacaga	aaagtacgcc	540
actgatgctc	aatggtacat	cgacattaca	ttgaaactgc	tgtcgttggc	aggcgaccat	600
gtcaacgacg	aagtatggca	gcgagtcatc	caaattgtga	cgaacaacga	ggaattacaa	660

gcctatgccg	cacatacaact	tttagggtag	ctgaagactg	attgccacga	gagcttggtc	720
aagatcggt	ggtatgttct	angagaattt	ggtcatttga	tcgccgacaa	tgaaagggtc	780
gagcccgatt	ga					792

<210> 15387

<211> 402

<212> DNA

<213> A.fumigatus

<400> 15387

ataactgatt	caaaagattc	atcctccaca	gctccttcac	ctgtcttact	ttgtccgttg	60
gcattgcaat	tgttggattt	tcctcgagct	tcctcatcac	ttcggttacg	tcatacatca	120
tcctacgact	ctcacaagca	cttgaagcaa	caccgttctc	ttcttagaga	atctttgact	180
tgcagcacia	tctactcaaa	accacctagc	caaccgaaag	acgcaatggt	ccaccctgtc	240
tccacctgtc	gcaaaacctc	cggtagcgga	agctgctgtc	gcgcagccca	ggccaagtgc	300
tcctgcggca	aagagaacgc	cctccactgc	acctgcagca	gatccgcat	tgaaaacacc	360
atctccgggc	ccagatgctc	atgccgtaag	tctgcccgtc	ag		402

<210> 15388

<211> 405

<212> DNA

<213> A.fumigatus

<400> 15388

tcaggctgta	ggacatctaa	agcttttgtc	aagaagaagg	ccgccttgac	tctgcttcga	60
ttgtaccgaa	aataccctgg	catcgtgcaa	aacgaatggg	ctgagcgaat	gatttctttg	120
atggacgacc	cggacatggg	tgtcactttg	tctgtcacat	ctctcatcat	ggcattggcg	180
caagataggc	cggagaataa	caaggggagc	tatattaaag	cggcgagcgc	tctcaagagg	240
atcgtggtcg	ataatgagat	cgcgcctgat	tatctctact	accgtgtgcc	ctgtccttgg	300
atccaggtea	aactgctgcg	cttacttcag	tactatccac	cctctcgtaa	gttttccatc	360
tttattacac	agactttcct	ttctcaagct	caccctttgt	tatag		405

<210> 15389

<211> 1062

<212> DNA

<213> A.fumigatus

<400> 15389

tcgccgacaa	tgaaagggtc	gagcccgatt	gagcagttct	tggcttttga	ggggaagatg	60
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ctcttccccg	aaatcaagcc	acaactcttg	cacattttcc	gtctctacag	ccattcccc	180
gacaccgagt	tacagcagcg	cgtttttgaa	tacttgacac	tggcaacgct	tcccacagat	240
gacctctctc	ggaccgtgtg	tgacgagatg	cctccatttt	cggagcgaac	ctctattctt	300
ctgtctcgcc	tgcatcagaa	gacggccggc	acgaccgaga	agaagacttg	ggtcgtgggt	360
ggcaaggatg	ctaacgcgga	caagaaagaa	gttcttctag	cacagaacac	tggactcaag	420
cgtacattta	ccactattgt	caatgggtacc	aaaaccgggg	ccaacgggtc	ggcagcgacg	480
tcaaacgcct	ctggcgacct	ggccggcctc	gatctcagtg	ctccacctgc	acccccgccg	540
aatatggcca	gtgcagctca	tcttacgcct	gactgggaac	caggatacaa	tagattgtac	600
tttgcggatg	aaggcgtgct	cttcgaggat	gcgcaaacc	aggttggctt	gcggtccgag	660
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ggatctctga	cgactacgtg	ggacaaccct	gcggcaccac	acctgaagat	tgatagcaag	780
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gctccccggc	cgtttagtga	tgcgccacc	atccgaatct	cgtaaccttg	tggagcgctt	900
caggcttaca	ccctacaact	ccccgtgctg	atggcaccgc	tacatggagc	cgtcgactct	960
gtcagcgga	gagttcttca	agcgggtggg	gcagattggc	ggtccccac	tcgagggcgca	1020
gcacacgttc	ggcgtcactg	ccaaggcgaa	gaatgtcagt	ga		1062

<210> 15390

<211> 1056

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (14)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15390

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cgtcatttgc atgtgaatgg ttatattcac cgggatctta aacctaataa ctgcttgctt      180
catgaaacga gcgatgggtct acgggtgttg gtcagtgact tcggcgaggt ccaggctcag      240
gataccaccg gattgtcaac tggggcaacc ggaaccgttt catattgtgc accggaagtc      300
ctacgacgag agtaccctgg aggaccattt ggcaatttca cgttcaagtc agatatcttc      360
tccttgggga tgatactcca tttcctatgt tttgcggaac ttccttaccg caatgctgac      420
ctgattcacg aggagaaaga ggcatttgat caacttcgtg ctgagattag ccagtggaca      480
gggtttgatg acgaacgtag actgcgaccg gacttgcttg agaagctcta tacttttctc      540
aaacgtctct tatctgtgga ccccgaccga cggccaactg cggatgaagt cttgagtggc      600
attcaggccg gtgtcaacgg caatgagcat ttccggttca ggagatctag ctccacgagt      660
cccgaccctc gtaccaactc aaggattcat ccagtcgata gccctgacgt ctcgctcggtg      720
ggccgatctc tctctccaag gaatacactc gctggaagcc cagtggctct acggtgcagc      780
cctaactatg aaccaaacag cgccgtcctt gaggcagcgt ctgttgccaa tagcaatgtg      840
acagaggaaa gagactctct caactccgag cgagagctga tgatccgacc cagggttttct      900
gctaccctc cgcctatgca ggatcatatc gaccgtgata aacagacaaa tgagaatcga      960
gatactcgtc ccctacagca tttgctacct cctccgccaa ctcgtcattt cctggcaagg     1020
gttcttcgga gtagtctcgt ctcatcgatt gcttga                                1056

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<210> 15391

<211> 1071

<212> DNA

<213> A.fumigatus

<400> 15391

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tacgtaagcg cggatccggc cagccccggg gtgaagactc tcgcagaact acgccgagag      60
atgctacgat acagcttggg tgaagtcgga gctgtcggtg ccgagcttga gctagacgaa     120
gatgcggacg aagtctctgt tgacgatgaa tatgattatg attatgatga cgatgaggaa     180
gaggaagagg acgaatttgg aaggacgcgt cctgtcctag atgaagacta tcatcggcag     240
atgcggggagc tagagaagaa gttgaacgcc aagggttgtt ggaacgtggg caaagatacc     300
acttcccttc cagaggatat tcagaaggag cttgaacgac ctgctgttgt tcgcatcgag     360
aaatccgaca attctgttga tacggtgatg aaggagagca agccgaagaa aaaggttgct     420
tttgccgaag agctggatat tgctcctgcc cctaaacctg ctgttcccga gaagaagact     480
cttccaccca agcagcctga agtgcccga atggcggact caattgttga acgcatccag     540
cagaacggaa agacaccagc ggcaagtagc ggtccaaaga aggcctcgcg cttcaagagt     600
gccaggaaaag caaccacgga agagatacct agcgttggtc ctccgattaa cagcatccga     660
gcctcagatc tccgctcatc ccctcgcaag cccatgggtc caacaccaga ttccattccc     720
ctcttccccg ccaaaccaag gcaacccaaa ccattctcac agccgatttc ggacatcatt     780
gaaaagccaa acccgcccc tcaaccgaa ggtacgaagg ggaaggctct cgcagacact     840
cttgctcgagc gaaccgtctc agaaggagcc cgggtcgctc ccgagccaga cgagctcgac     900
gagcagatgc acaggaaaga aatcgcgacg gagttctaca ggatgcgaaa ccggaagatc     960
cagcagaacg gcgggttcct ggacgatgag cctgagatgg ttcccataga caccgatgaa    1020
gcccccaagc gcgtgagcaa gttcaaagcc gcgcggatga ggcaatcata g                                1071

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<210> 15392
 <211> 339
 <212> DNA
 <213> A.fumigatus

<400> 15392
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 accgagaaag tcctacaagc catcggcgtg tccctgggct acgacgagtc ctacttcgac 120
 gagatctgca cggaaacccat ggccttctac cagttgcttc attaccctcc ccagcctgcc 180
 gacgccgacc cgctgcagcg cggatcggc gccaccgcg actttggcgt catcacgctg 240
 ctgctacagg ggatgtcccc gggctggagg tgtgggacga ggagtcgcag tcatattacc 300
 ctgtgtcacc aatcgagggg gcataatgtgg tgcacctag 339

<210> 15393
 <211> 582
 <212> DNA
 <213> A.fumigatus

<400> 15393
 cacctgtatg gactacctca accaagtaac cgccctcacc gagaaagtcc tacaagccat 60
 cggcgtgtcc ctgggctacg acgagtccta ctctgcagag atctgcacgg aaaccatggc 120
 cttctaccag ttgcttcatt accctcccca gcctgccgac gccgaccgc tgcagcgcg 180
 tatcggcgcc caccgcgact ttggcgtcat cacgctgctg ctacagggga tgtccccggg 240
 ctggagggtgt gggacgagga gtgcgagtca tattaccctg tgtcaccaat cgagggggca 300
 tatgtggtgc acctagggaa tcttttccag cagtggccga atgataaata catgtccaac 360
 gtgcaccggg tgatcaaccg gtccgatgta gaccggtact gcatcccgtt caactacaat 420
 gggaatctag acttttgtat ccggtgcatt gactcgtgtc gcgcgaagcc ggaggacgaa 480
 aagtatgcgc ccatctcggt ggatgactac atccggcaga agtataagga tgtgtatggg 540
 cgtgtgggta tctattcggt tgctgagcgg gtcaaggaat ag 582

<210> 15394
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 15394
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 tcgatagaac aaggatcatga gaagcatcga ggcaaagtcg cttactttac ggagcgtccc 120
 gatatacgcg tggcaaccac tactaaggat gacgtgggag aatcccagta cctcgtgcc 180
 ggtggtcgct cgaccagac cgcttag 207

<210> 15395
 <211> 852
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (58)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15395
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 catcatgttt ctgcagcca gtctcgattg gttgctccaa ccgtgtcggg tttcgcccgg 120
 tctccctccg cgttcagtac tacgagtgc aaccaagagc ccaacctgcc cttggcggga 180
 attgaagcag tgcacattgc gaaaaccttc tcaacatggc ctgttgatgc gacgaatgtg 240

acgcgacgcg	aattccgcaa	gtatgtcgag	ggcagctcct	ccatccttca	cattggcact	300
catggcgacg	ttgactaccg	gaaccctctt	ctctcttcta	tctcgatggg	agaagacttc	360
cgcgctcctcg	atatgtccac	aataaaaacc	aacgccaatc	ttctcgtatt	tgccgcgtgc	420
ctaagcggtc	tgggtcgagc	gaccacccgc	agcgaggtac	tgggattctc	ccacgtcatc	480
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tatgtccttc	gacaggcaca	aatagaacta	tctcagtttg	acagagagca	cgcagcccg	660
tacctcgatc	agttgatcca	gacctcgccc	tcaagcgatg	gggactctca	cggcctaata	720
gactttgtcc	cagatacggg	ctttatgatc	tcatgcaaaa	agatgatctt	ggcacagctg	780
gattggtcta	gtccattctt	ttggggcccc	tttgtgctta	tgggatatgg	cagcttgcca	840
tttgcgacgt	ga					852

<210> 15396

<211> 2172

<212> DNA

<213> A.fumigatus

<400> 15396

cttctagggc	ccatcttcac	aagtcctcgtg	gcattgaact	tggtccttgt	tgacgccagc	60
tccgccatcg	gagaaaaata	tctatgggat	cctgttgaaac	ttgagctgaa	ggatcggtac	120
tcccctgaag	tgaaggaaatg	ctatgaggcc	gccttgaggc	tgtttgggag	agctaactgt	180
aggagaggtc	aagcagcggg	tttgcttcgg	caagcgtgtt	gccttcatat	cgaggcgcgg	240
cgacttcaac	cgactgatac	gtgtcgaaac	gccctcatgc	aagatgectg	tgccaagttt	300
acgcagtcaa	aacagctctt	cgggaaaagac	gaagtcaatt	gccagattgt	aactaccac	360
cagatcctcc	tcatatcac	cagcggagat	aaccgcagtg	tcaaagcgac	cgcaagaggc	420
atcggaatat	gggcagctca	agcagagaac	cagtcctgtg	gccactgtct	tggctcttct	480
atattccgct	tgcgccgcca	ggaatggtgc	acgttcgccc	gaatggacaa	tgctctcgtg	540
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<210> 15397
 <211> 1038
 <212> DNA
 <213> A.fumigatus

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 <211> 225
 <212> DNA
 <213> A.fumigatus

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 gacgtcacgt gtgtcttctg gtgggggttc cgcacaatcg gccatctgaa cccccccgct 180
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<210> 15399
 <211> 381
 <212> DNA
 <213> A.fumigatus

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<210> 15400
 <211> 474
 <212> DNA
 <213> A.fumigatus

<400> 15400

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<210> 15401

<211> 228

<212> DNA

<213> A.fumigatus

<400> 15401

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ttccctcacg	gctgttacta	tgtcaagatg	atgggctaag	ccaaggatca	cgctacaaac	180
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<210> 15402

<211> 258

<212> DNA

<213> A.fumigatus

<400> 15402

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ctcttgtata	cagctctgta	tatgggagct	aaatctgagg	ctatcagcta	tttgcgtacg	180
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<210> 15403

<211> 1029

<212> DNA

<213> A.fumigatus

<400> 15403

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<210> 15404
 <211> 1929
 <212> DNA
 <213> A.fumigatus

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<210> 15405
 <211> 282
 <212> DNA
 <213> A.fumigatus

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 tctttacctg tcattttgat gggaattttc gatcaggacg ttgacgacaa ggtgtcactt 180
 gccgtccctc agctgtatat gaggggcacg gagcgaaaag aatggctcga gaccaaattc 240
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<210> 15406
 <211> 543
 <212> DNA

<213> *A.fumigatus*

<400> 15406

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gtgccgcaga	gtccccatag	cccgctcaaa	agtcctcatg	accaccatc	atatcaggta	540
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<210> 15407

<211> 555

<212> DNA

<213> *A.fumigatus*

<400> 15407

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gctgcagagg	tttatggagc	tttgctcattc	tgggttggtc	tccttatgac	ggtgataata	480
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<210> 15408

<211> 195

<212> DNA

<213> *A.fumigatus*

<400> 15408

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aaacgaagtc	taacagtgtc	taatctcaag	gcaagtgcct	ctttacaaca	aaaagtgagc	180
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<210> 15409

<211> 1050

<212> DNA

<213> *A.fumigatus*

<400> 15409

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<210> 15410

<211> 402

<212> DNA

<213> A.fumigatus

<400> 15410

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<210> 15411

<211> 570

<212> DNA

<213> A.fumigatus

<400> 15411

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<210> 15412

<211> 183

<212> DNA

<213> A.fumigatus

<400> 15412

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<210> 15413

<211> 1161

<212> DNA

<213> A.fumigatus

<400> 15413

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<210> 15414

<211> 282

<212> DNA

<213> A.fumigatus

<400> 15414

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ctgatgcatg	ggctggaaga	acagaatgga	ttcttgtcta	gggatcattc	gaaaagtgga	180
gaggggaagg	tatacagttt	gtgcgagaca	ttgatggagg	atttgaacaa	ctactgcgag	240
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<210> 15415

<211> 402

<212> DNA

<213> A.fumigatus

<400> 15415

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gcgtaccacc	tacgccaagc	cgagaaaaag	ggggttctcg	tcaaggagac	gagagattgg	300
agtatcacc	cgaagacagt	ttgggtggcc	attatggaat	ttgatcgtaa	gtatcaacca	360
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<210> 15416

<211> 804

<212> DNA

<213> A.fumigatus

<400> 15416

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ctgcacactg	cccgccctgga	gctgggtccc	ctgggccatg	agcatcgga	gttcaccatg	180
aagttggaca	tggaccccgga	ggatcatgaag	atggtegcct	tcggccggcc	atttaccgaa	240
gacgaagcaa	tccaggtcca	tacctggctg	atgaactgcg	caacgtcggc	gcctggcttc	300
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<210> 15417

<211> 402

<212> DNA

<213> A.fumigatus

<400> 15417

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ctgagttgga	ccaggggcac	agcgtacgca	attctagtgc	tgtatgtttc	gctcccattg	360
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<210> 15418

<211> 312

<212> DNA

<213> A.fumigatus

<400> 15418

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gtcatcaaca	ttgtgtccta	cgttatgggc	ggttccgtgt	acataccgat	ggccaaggcg	180
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<210> 15419

<211> 1008

<212> DNA

<213> A.fumigatus

<400> 15419

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cccgtcggaa	gtgctaccgc	gaccgccatc	gtggaggcat	acgggtatgc	ccaagcaagg	900
atgctcattg	ccggtactgc	attcatgggt	ctgggcttca	tctgggttgg	catgatgagg	960
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<210> 15420

<211> 1158

<212> DNA

<213> A.fumigatus

<400> 15420

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cgttaccacg	agcgtccagg	ttatggaaact	cagggtcttc	cggtgacgct	ctacgccaat	180
tacttcgagt	tgaagtctgt	gggaaaggaa	ttgttcgct	acaatgtcga	tatcgtcgcc	240
gactcagcta	gagccaagcc	tactggaagg	aaagcccgac	aatcatccg	gctcttactg	300
gacgagcatc	tcttgcaata	ccagaacagt	attgccacgg	actacaaatc	cacccttgcc	360
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<210> 15421

<211> 501

<212> DNA

<213> A.fumigatus

<400> 15421

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aacttcctca	ttagactcaa	ttctaccatg	tcatcaagag	gtgctgggga	ttcccaacct	180
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cgtggaggcg	gccgaggagg	cactatggag	cttccattcc	gtccaagcga	gccaagaggc	300
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ggggactccg	gaggtagagg	gggtagaggc	gggggcttca	gaggtggccg	cggcgaccaa	420
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<210> 15422

<211> 1590

<212> DNA

<213> *A.fumigatus*

<400> 15422

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tctagcaggc	aacggaggga	agagagacgg	cgacgaagat	acgaggatat	tgtggattcg	1560
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<210> 15423

<211> 1674

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (1656)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15423

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gcagaggggg	cc	atcacagg	gttggtata	ggcgactag	gacagcgcc	aagagggcgc	180
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gaagcgaaaa	atgagaacgc	gaacgacaat	agtcaggctc	aaacagagca	gccgccggtc	1620
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<210> 15424

<211> 201

<212> DNA

<213> A.fumigatus

<400> 15424

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<210> 15425

<211> 642

<212> DNA

<213> A.fumigatus

<400> 15425

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caggcgcgca	tgcaagatgc	cggctctctac	atcgactggc	caaaccctta	caacctcgaa	180
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gtcactgttg	aagtgtttga	ggagacggag	tctgattcgc	aggacgctgt	ctccccaca	600
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<210> 15426

<211> 219

<212> DNA

<213> A.fumigatus

<400> 15426

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aaaaaggcgt	ttaagtctca	aaaacccttt	gttgttgcc	gtagcaaaatt	gggtctttgtc	180
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<210> 15427

<211> 255

<212> DNA

<213> A.fumigatus

<400> 15427

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ccttcaccg	tgccgggtct	ggagttctcc	gacggggatg	ctcaaacatt	gaaagaagct	180
gaggtcggaa	tcaccgaatt	tgtcagtgc	gacaacctgg	gcttttccgg	aattctgaag	240
aagaggtaca	actga					255

<210> 15428

<211> 240

<212> DNA

<213> A.fumigatus

<400> 15428

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gcccgaaga	agaccttcga	tcgtctatcc	gatattgcag	tttctagact	ggcccaagct	180
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<210> 15429

<211> 873

<212> DNA

<213> A.fumigatus

<400> 15429

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cggttttttgt	atcgctctga	tggttatatt	tttcagttag	cccagtgcac	caatcgaaaa	180
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attgctgaac	ttttgcgatt	tgagtcgcgt	tgtgacggca	ctatatgcgt	cgtcaataac	660
atccataatg	tcgcccggcc	gggtggcata	gtccgtgtgg	acgataatat	agaggcccgg	720
ttcgagggtg	tagggggttg	gccagtcgat	gtagagaccg	gcattcttgc	tgcgccagcc	780
acactcgtcc	tgctcggacc	actgtggaat	acccatgctg	ttagatttgt	aaaattgggt	840
tggataatac	tcaacgtctt	gaagaatggg	tag			873

<210> 15430

<211> 339

<212> DNA

<213> A.fumigatus

<400> 15430

ggtcggaatc	accgaatttg	tcagtgcaga	caacctgggc	ttttccggaa	ttctgaagaa	60
gaggtacaac	tcagacctga	gatactgcaa	atcaagttaa	ccctcttttg	tctcagatac	120
accgatttcc	tcgtcaatga	gattcttccg	tccggtgaag	ttttgcatct	tcgaaatttg	180
aatcccccca	cttcgcctac	agatggaacc	aagaccaacg	atgctgaatc	caagtccgaa	240
tctcctatag	cggataatac	tgtagagcca	gcagcctcgg	gagagaaaaga	tgcgccagcc	300
gctaaacagg	tgaccgctgc	cgagttccag	ctctcagag			339

<210> 15431
 <211> 1437
 <212> DNA
 <213> A.fumigatus

<400> 15431
 acacgattct gtggatcata caagctcgag cttggcagat atccacgcct tgcagtaatg 60
 ggtcaatcgc attccaaggg caattctggc cctggcgact cactgcagtc ctatccatcc 120
 ttctctcgct ccgatactaa ggagtctctt cgctctcttc gcggctccat ccggtccaag 180
 attcggagta gcgacagtc tagaggatcg actgcaggat tgcggacga taaatccgac 240
 gccgcatcag tcaagtcgac aaccagtaga cgcagttcca ccaaccaaag cgtcctgtct 300
 cccgatgata ccccttctca acccgatgct cccgagcctc ctccatctcc ttccctgtcg 360
 agtagcttga aacgagggtca taaagatgtc aatgcaatgc agcagagtgg tgaggtcgac 420
 catgtatccg atgtaccccc caccggcgct gcacccacag gcccgtcgac acaaaaagtc 480
 ggcaaatcga tcctcatcaa aagagaaaac caactgaatc ctattctgga cttcatcatg 540
 aatgctccat tagagacgtc tggatctccg ggtatgggaa tgggtgccct gaagtctatt 600
 gaccttgatg acatgatctc acgactgtc gacgcgggct actccaccaa agtcacaaaag 660
 accgtttgct ttaagaatgc ggagatcatg gccatttggt cggcggcacg ggagctcttc 720
 ctctcccagc ctgcattgct agagctgtcg gctcctgtga agatttgtgg cgatgtccat 780
 ggccaatata cagacctaat tcgacttttt gagatgtgtg gatttctctc cgcttccaat 840
 tacctcttcc taggcgacta tgtggaccgt ggcaaacaaa gcttggagac aatcctgtct 900
 ctcttgtgtt acaagctcaa gtatcccag aacttttttc ttctccgagg taatcatgaa 960
 tgtgccaatg tcaactcgtg ttatggattc tatgatgagt gtaagcggcg ctgcaacatc 1020
 aagatttgga agactttcat cgatacattc aactgccttc ctatcgctgc taccgtcgct 1080
 ggcaagatct tttgtgttca tggcggactg tctcctagtc tctcacacat ggatgatatt 1140
 cggggaattg caaggccac tgacgtacct gactatggcc tgctcaatga tctcctatgg 1200
 agcgacccgg cagacatgga agaagactgg gagcccaatg agcgcgggtg cagttactgc 1260
 ttcggtaaaa aggtgatcat gaactttttg cagcgtcatg acttcgactt ggtctgccgc 1320
 gcacatatgg tggtcgagga cgggtacgag ttttaccagg accgtatatt agtcactgtt 1380
 ttctcggtc ctaacgtgag taccgaacat tccttttgca tgattttttt cttgtga 1437

<210> 15432
 <211> 276
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (253)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15432
 tactgtggcg agttcgataa ttgggggtgcc attatgtcag tgtcagggga gctgctatgt 60
 agctttgagc tactcaaacc gctggattcc actgctctga agaaccatat caagaagggc 120
 aggaaagagc gtaatagcat gttaagcaag tctgtgaggt ccccttact tcgcttcggt 180
 ggcgccaaag agatcacaaac tttttgtgca aaatcgccga gacgcttggt ggctaattct 240
 tgcttatccg gcntttggca catcaggggg cataaa 276

<210> 15433
 <211> 996
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure

<222> (828)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15433

atctattccg	cagatgccaa	cttgattgtc	tccctccttg	atatccacgt	caccccccca	60
gcagaaggat	ctcaggaaca	gccgccattg	gaaatcctcg	agtcgggcac	gggtcatggc	120
tccctaactc	tgcacctcgc	gcgcgcgatc	caagcagcca	actcagttcc	acctcctctc	180
ccaccgaagt	ctcagatcca	atacctgcag	ggacgaccga	tccgccccgg	aaccgacgcg	240
gaaaaggcag	accccaaadc	aaccagcaac	accatccaag	aatcaccaga	cggattcgtc	300
gagcagcaaa	ctgagcaaca	acaacagcag	caacagcagc	aatgggacgc	ctggcgcgcc	360
caccgacgag	ccatcatcca	caccgtagac	gtgtccccc	aattctccgc	ccacgccgaa	420
aagatcgtcc	gcgggttccg	cgcgcggaatc	tacgcccgtg	atgtcgactt	ctacgtcggc	480
cacgtggaga	actggatcgc	agagcagaag	aaagtccgcg	cgtcgagatc	ccttctctcg	540
agcagcccca	cagtcgagcc	gttcctctcc	tacgtatcc	tgcacatgcc	ctccgcgcac	600
ctgcgcaccc	cccacgtcgc	ccccatcctg	aaacgagacg	gcacccatgt	cgtgttcattg	660
ccaagcgtga	cccaggtcgg	tgactgcgtg	gacctcatcc	ggcgggaaaa	gctccccctc	720
atccttgaga	aggttgtgga	gctcggctcc	ggcattagca	gcggtcgggt	ctgggatgtg	780
ccgtttgccc	tgaagaagtc	gcgtgctgac	ccgtcttcgt	ggactgangc	cgcggaactc	840
gcagagaccc	gaggaagact	ttctgacgct	ggcataaaaa	agtacctgcc	gctcctgaag	900
gagctgcaag	gcaagatgat	agcgtgctgg	tctgccggcc	taaagtcggg	acccggatcg	960
tgggcggagg	tttcgtcggc	gtgtggagaa	ggatag			996

<210> 15434

<211> 183

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (8)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15434

gtcgggtantc	agggcctgca	ttgcgacggg	gaatcagttt	tatattcctt	gtgggtcaaga	60
atagaaggat	ctacccttgt	gcgcctttac	aagatctcgc	actcgctgac	caatgatgct	120
atcgtgttcc	agaactcctc	gtcgcacatc	ggctcttctg	cctcttcgaa	ggggcttcgt	180
ttaa						183

<210> 15435

<211> 378

<212> DNA

<213> A.fumigatus

<400> 15435

cttccggtat	gtgcagttgc	aaggcattgt	tcccagcgaa	ggcgtcccct	gactttcttca	60
attgtttaca	gtgatgcctt	cgcgcgatatg	ttggacagcg	tcaagacgcc	tttcgacaag	120
tgcacgcaga	tctccagga	gaacatgaaa	cttgaccccc	actttatcga	gttctactac	180
tgggccgagg	aaaacaacgt	cccaattgtg	gttttgtcat	cggggatgaa	gcccatcatt	240
agtgccttgt	tcgagtcatt	gctgggacac	aagcctcgaa	gccatctgca	cattgtttcc	300
aacgacgtgg	agagccgcga	cggcaaggac	atcaacactg	taggcgggtg	gaaaatcaag	360
taccacgatg	acaggtaa					378

<210> 15436

<211> 1212

<212> DNA

<213> A.fumigatus

<400> 15436

acgggtggggc	cgtttcccct	tcccaccccc	cggcaccggg	attgggttgt	tcttggagcg	60
gaacccccca	gttccttggg	ccattgtaat	gaacaaagtc	agttcccttt	caaacaaaaa	120
caatgggtga	ttcttcggca	ttccagtcac	atgacgggta	cgttccagct	cggtaatatt	180
ctggggaggt	taggaaggga	gtcatcttgg	aacgagctca	ggtttcacga	ttcggatatc	240
attgttcttc	aggaaatcga	ccaaggaagc	tataatgagt	atttccggga	acaactggct	300
tacaatgatt	acaaggggtg	ttactggcca	cggggaaggg	ctatgggcat	gcaggaggag	360
gacgccaaat	gcgtggatgg	atgtgccacc	ttcttcaagg	gcagcaagtt	catccttctc	420
gacaaacagc	tgatcaattt	tggccagaca	gccgtgcggc	gccagatgc	aaaagggtcaa	480
gacgacatct	ataaccgact	ctggcagaag	gatcatattg	cggttgctcg	gttccttgaa	540
aacaggcaga	ccggtgcgcg	gttcattgtc	gtgaatgctc	atctctactg	ggaccagca	600
ttcaaggatg	tgaaactgat	tcagacggct	attctgatgg	aagaactcac	caaattatcg	660
gagacatatg	ccaaatggcc	gccgtgcacc	gacaaggcgg	ctttccgatt	ctccaaagag	720
gagggccaat	cagaaacacc	acctctggag	gaaccggcgc	catccatgca	gtatgctagt	780
ggcgatcaga	tccctctcct	gatgtgtgga	gatttgaact	cgtctccggg	atccgcagca	840
tacaatctga	ttgcgcacgg	ccggctcgac	gaggagcacc	cagatttggg	gaagcgtctt	900
tacggcaatc	tcagcaaagt	cggtatgacg	cacccttcca	aactaaagtc	cgcatatgga	960
gctattggcg	aacttccctt	cacgaactac	acgccagact	ttaaagatat	ccttgattat	1020
atctggtatt	cttcaaactc	acttcatgtt	tggcggttac	tcggagaggt	ggacaaagac	1080
tatctacaga	gggtgcccg	attccccaat	tatcattttc	caagtgatca	tatcgcatcg	1140
ctggcggagt	ttacagttaa	agggaaaaag	ggtaagggtt	tggaggcgga	ctttgggccc	1200
caacggaatt	ga					1212

<210> 15437

<211> 900

<212> DNA

<213> A.fumigatus

<400> 15437

tcgccgacag	gagagcaagt	aggacaacga	cgacagccac	cagcttcccc	gcaattcggg	60
catgcatctt	cgacttggac	ggggcttctc	atcaactccg	aagacaaaat	cactcagctc	120
acgaaccgac	ttcttgaaaa	gtatggaaga	cctgttttca	ctccatcaat	tcgggcctcg	180
cttatgggcg	tccccgactc	aacaaacagc	gacctgttcc	acaactgggc	caagttgccc	240
atctcccgcg	agcaattcgc	ccgtgaattg	agggaagaag	tgcaccgaca	gttccagact	300
tgtaccccgc	tgcttggcgc	ggagaagctc	ttgtcaaacc	tgaacagtgc	acgtagtact	360
tgttctggtg	agcggatcga	gctggcattg	gcatctagca	ccaagaccca	taccttcgac	420
ctgaaaatgt	ccagaccgga	aaccaaaaag	ctgcttaaca	ttatcccatc	cgagaggcgg	480
gtcctgggtg	atgaccgcgc	agtggggcag	gggcgaggga	agccagcgcc	ggatatatac	540
ctggtcctgt	ggcaagcatt	gaactctacg	gcagactctg	ggaaacccat	cttgcccagc	600
gaatgttttg	tctttgaaga	tagcgtggcc	ggggtcgagg	ccggggagaa	ggcggggatg	660
agggttatct	gggtaccgca	tccggatctg	gcggtcgaat	atgaaaagag	acagagggag	720
gtgcttgctg	ggaggacagg	catgattgaa	atcggggacg	agtggcagat	aggagagatt	780
gatgatggct	gggatgaaag	cataccgagt	atggattttt	tcgatgatga	gaaatatggc	840
attggttgca	ccatcgtagt	tgagctattg	tctgagatct	ggtcccgcgc	aaaagagtag	900

<210> 15438

<211> 291

<212> DNA

<213> A.fumigatus

<400> 15438

gttcatagaa	ccttctcccg	tattgccttc	taccatttgc	ttatttcaat	caactcatcg	60
cagccctgta	gcaagtatgc	ccagttcatg	gggaaccccg	gagtatcctc	ccagctctct	120
ttcacataga	gtccccccaa	tacaatcaat	cctctggtgt	cccgcagtaa	ccatgtcgtc	180
gtagtcgtct	tgctccttgaa	ggagcattac	gacctctggg	tgacatacgc	gcaatcgaaa	240

accgccaata tctacatgcc caatgagttc actcattggg ttgaatggta g

291

<210> 15439

<211> 2127

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (809)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15439

atcatcctcc	gagcgcgcca	gcagcatctc	ttcaacgaat	tcgtttctgc	ccaccctaca	60
atcaccgccg	aagtcctaga	cattgcgcga	aacgcataata	ccgcctatct	gaagaagaac	120
cttccgttac	tgaaccccca	actgcccccg	gcgcagtatc	aagaggaggt	ggagaaggtc	180
tacgcgactg	tgttgaatgg	tggaccctta	cccggtaatg	agaaggcggg	cgatgacgag	240
gcaaaggtta	agatgcacat	caagacgggtg	gcacagctcg	cgaaggtaat	cgcgcatgcg	300
gaaagcctcg	accaggccgc	taccccccaag	gggttcgccc	agtccttcta	ctcaaatgct	360
caggaccttc	tcctccccta	tctggattcg	ctcaaggcgt	cctcgatcaa	cgcgacgat	420
cattctatct	tcacgaagtt	gacgatgaag	tacgaggaaa	ggtttatgaa	ggacatgcgc	480
gacctcttcg	tccttgaccc	cgacgagttg	actagggtca	ccgagtatgg	cgctgagatt	540
gcggactttg	tggagaagat	tgtagagaac	aagtttggct	acgttacgga	cgacggctca	600
gtatacttcg	atatcactgc	tttcgagaat	gccggacacc	cttatgccc	gcttgagccc	660
tggagccgat	ccgataacaa	gctggtcgcg	gaggggagaag	gcgcattgac	caagaagacg	720
acggagaagc	gttcgccttc	cgactttgct	ctctggaagg	cgctgaagcc	gggtgagccc	780
agttggacga	gctcctgggg	tcggggcang	ccgggttggc	acattgaatg	ctctgcatg	840
gcttcggcca	agcttggcaa	gcagatggat	atccactcgg	ggggtgttga	tctagcgttc	900
ccccaccatg	acaacgagct	ggcgcagagt	gaggcttatt	ggtcccatgg	ccacccccac	960
actgatcagt	gggtgaacta	tttcttgcac	atgggtcacc	tatcgattca	aggggtcaaag	1020
atgtcgaagt	cgcttaagaa	cttcacaaca	atccgagagg	cactggagag	gaaagagtgg	1080
acaccgcgca	gtctcagaat	cgtcttcttg	ctcggcgggt	ggagggacgg	cgctcgaatc	1140
acggaggaac	tcgtcagtgc	tggaaattct	tgggaggaca	aagtcaacaa	tttcttcac	1200
aagatgaagg	atcctgcaac	gttatcaggc	cagacctcgg	gctccgacac	cactctccct	1260
gctgctctgg	aggccgcgaa	gaaagctact	ttcgatcatc	tctgcgactc	tttcaatacg	1320
caggggagcga	tgtcggcgat	ttcagagctg	atctcaaaat	acaacagcgc	cgacaaatct	1380
acactcaatc	ccagggacgt	cgaggctgtc	gcccgggtgg	tgacctcgat	gggtcaatatc	1440
ttcgggttga	atggcagcgc	aaccgcccgc	agcacggaaa	ttggctggtc	gggtatcgat	1500
gtgectgaag	aagccaagcc	tttctgttat	ccgctctcca	gcctgcgtga	ctcgctccgc	1560
caggctgcgc	gggctaagga	gggagtcacc	ccggagactg	tcgcggagat	tgtgagcaag	1620
ggagatgtgc	cagagctgga	cctgactgaa	tccgcaaaac	cttatgctga	acttctttcg	1680
aacttccgca	cgaagggtgc	ttctatccag	ccatctgagt	cgctgggcaa	ggagattctg	1740
gccctctcgc	atcgcgcttc	cgacatcgac	ctgttcgatc	tcggcatcta	cctggaagac	1800
cgggagaacc	ttcctgcctt	ggtccgtcct	gttaccgag	agctgatcca	ggctcgggag	1860
gaaaaggccg	cgcgggcgcg	ccagaagcag	attgaaaaag	aaaacaagga	gaaggaagcc	1920
ctcaagaaac	tggagaaggg	caaactaagc	cacctggaga	tgttccggac	caacgagtac	1980
agcgcctggg	atgaagatgg	tatccctact	cgcgatgctg	ccggggagga	gattacgaag	2040
agtcgtgcga	agaaacttcg	aaaggactgg	gagagacaga	agaagctaca	tgagacttgg	2100
ctggccagtc	aaatgggcgc	caaataag				2127

<210> 15440

<211> 756

<212> DNA

<213> A.fumigatus

<400> 15440

caacgcagg	ggtctgggaa	ttgtatgtct	aggacgcact	tgagacaacc	gagtctgaaa	60
gaaaagacca	tcgctaatac	acccaagctc	actgcactca	cgcaaccac	ccccgaagac	120
cttcgcaagg	agattcgccg	atgccgaacc	atgaccaaga	agccattcgg	cgtgaatctg	180
acgctcctcc	cggccctcgt	gccccagac	tacgctgcct	acgcacaagt	aatcatcgac	240
gagggcgtca	agatcgtcga	gacagcgggc	aataaccccg	gccccgtgat	cacgcagctg	300
aagaaggcca	acacgatcat	cctgcacaag	tgacagacca	tccgccacgc	caagtccgcc	360
gtgaagctag	gcgtagactt	cctctccatc	gacggtttcg	agtgcgccgg	tcacgttggc	420
gagcatgaca	tcacaaactt	cattttcctc	agccggggcg	gccaggaact	caacgtgccg	480
ttcatcgctc	cgggcggcct	cgcggacgga	cagggctctg	cagcagcgct	ggcgctcggt	540
gcggaaggta	tcaacatggg	tacgcggttc	atgtgactg	ttgaggcgcc	catccatcag	600
aaggtcaagg	aggccattgt	ggcgtcggac	gagaacaaca	ccaacctggt	tatgagacgg	660
tggaagaaca	cctcccgtct	gttcaagaac	aaggtgtcgg	aggaggcgcc	gaagattggt	720
cttctaccac	aggcgtcgaa	ggactcgcgc	ataggt			756

<210> 15441

<211> 183

<212> DNA

<213> A.fumigatus

<400> 15441

cgaggaaact	gggcattgcc	ggtgagttgc	atggacttgg	agttggtgga	agggactccg	60
gttgctgacg	gatctacagt	cctctgggta	cagggaggta	tgacgtgggt	tggatacgca	120
gagctcgctg	cggcgggttag	caacgcagg	ggtctgggaa	ttgtatgtct	aggacgcact	180
tga						183

<210> 15442

<211> 567

<212> DNA

<213> A.fumigatus

<400> 15442

tacggagtaa	cttgtcaaac	attaggtagg	tattgctcaa	cccttcccct	tcgttttagg	60
tggctgtacc	aaatccccgt	ctccctcttc	tttctctgt	tcttgatgcc	catatccttc	120
tctcgtacct	cactcttggt	ctcctctttt	gcgaatccct	cgaaggcccg	gttgctggtc	180
ttttctcctc	tggtgatttt	ttctagatca	atggccaccg	cgcgccagca	gccgccatgg	240
cggcaaccga	cagagtatcc	cgaggccaaa	gctcgcttac	cacctctgaa	gatttggaa	300
tcgttgacgc	gatctaagaa	tccattcatc	cctattgacc	ctgaaggcaa	gaaggtgacc	360
tggatatgct	gtggggccgac	tggttatgat	gatgcacatt	tggggccatgc	ccggaactat	420
gtcagcaccg	acatcattcg	gcgtatcatg	cgcgactact	ttcatttcga	tgtgaagttc	480
atcatgaata	ttacagatgt	cgatgacaag	gtatgcaagg	ctctacatgt	gccattgggtc	540
tccttagcaa	ctgtgctgat	gcagtga				567

<210> 15443

<211> 510

<212> DNA

<213> A.fumigatus

<400> 15443

cttcacggcg	gacttggcgt	ggcggatggt	cgtgcacttg	tgacggatga	tcgtgttggc	60
cttcttcacg	tgcgatgaca	cggggccggg	gttattgccc	gctgtctcga	cgatcttgac	120
gccctcgctg	atgattactt	gtgcgtaggc	agcgtagtct	gggggcacga	gggccgggag	180
gagcgtcaga	ttcacgccga	atggcttctt	ggtcatggtt	cggcatcggc	gaatctcctt	240
gcgaaggctc	tcgggggttg	gttgcgtag	tgacgtgac	ttgggtgtat	tagcgatggt	300
cttttctttc	agactcgggt	gtctcaagtg	cgctctagac	atacaattcc	cagaccacct	360
gcgttgctaa	ccgcgcgacg	gagctctgcg	tatccaacc	actgcatacc	tccctgtacc	420
acaggggactg	tagatccgct	agcaaccgga	gtcccttcca	ccaactccaa	gtccatgcaa	480

ctcaccggca atgcccagtt tcctcgtaa

510

<210> 15444

<211> 294

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (127)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15444

gcctcactct	gcgccagctc	gttgatcatgg	tgggggaacg	ctagatcaac	accccccgag	60
tggatatcca	tctgcttgcc	aagcttggcc	gaagccatcg	cagagcattc	aatgtgccaa	120
cccgccntgc	cccgacccca	ggagctcgtc	caactgggct	caccggctt	cgacgccttc	180
cagagagcaa	agtcggaagc	ggaacgcttc	tccgtcgctc	tcttggtaa	tgcgccttct	240
ccctccgcga	ccagcttggt	atcggatcgg	ctccagggct	caagccgggc	ataa	294

<210> 15445

<211> 849

<212> DNA

<213> A.fumigatus

<400> 15445

aacaattcac	cttaccagcg	tccacagggt	atagcgctct	tttctcgccc	cgtgccctcc	60
aatccgccgg	tcgcttgccg	ctctcaaacg	ccctacctga	tcgacgttga	gggaaatgag	120
tcgactgcat	catttccagc	gatgcgcaac	cagattcggg	aaattatcac	ttcctccaca	180
gtatccctcg	cgacagctct	ctttcttgcc	tctgatggcg	atcgctacat	caatgtcttt	240
gacgtgagg	gccgcaagct	tgtgttgaac	ctcgctgcag	atacagaagt	atcgctcttg	300
gccttgactt	cggttacagg	acaaaaaaca	gatgacgctc	tggcaattga	gaagcagatc	360
ctcgagctg	tgaccgaaga	tggcaactatt	gaacttttca	cgagaccatt	cgtgcccgca	420
aaggatcaga	actccaagac	cagtctcaag	gcgaggggaa	ggcagctcac	gagacggggc	480
gagtcacaa	ttaaaatcac	tcagtctgag	acttcggatg	cctctgtacc	tgtcgctcgca	540
gcaactttcc	aaggacaga	tattctagtt	gtgtggggcg	aaggaggcat	tattccggtc	600
tttgagcgca	tcaactgcat	tgatatagat	actgaggagc	tagctttcac	tgggttgaag	660
aagattgtca	agaccaggtc	tagctcggtt	cttgccctcg	ttacaacgaa	tggagtctga	720
gctgctgatg	aaaccaagt	cgatgaatct	cgagcagtg	tcgaacaagg	ggacctattg	780
gaggatgatg	tcgagatgca	agacacgagg	gcagacatct	tcaccacggg	gctggaagga	840
cacgcactg						849

<210> 15446

<211> 507

<212> DNA

<213> A.fumigatus

<400> 15446

gggaggggaag	atgtatataa	gaccagaggg	cgctgttgcc	aactatctgt	atgcagaata	60
tccatcaagc	atcaaataaa	cattcgctctc	aatcaatttg	tgatcctctc	agttgcctac	120
cacgagatct	ggaagagatc	ctacaattac	catataaac	tttctatcca	tacattgggc	180
ggccactaga	aagcaatccc	tccgctgagc	actaccaaac	aaaacaaatc	caatacacga	240
aacaccaagt	cctccaaaga	ccataaccgt	gtcaacatgt	cgtccaagtc	cttcaagtcc	300
accaccaccc	tcgacaacgc	ctcaaccgcg	acaacgtcct	caacagcctc	gactcttaag	360
ggcatgttca	ccaagtcatg	gaagctgaag	gctcccgaga	aggcgccctc	atctccgaag	420
ccttcaagca	agaaggcccc	agccaaggac	tataccgggtg	aggctgtgca	ccacgaggct	480
gttgctcagt	atctggccct	tcggtga				507

<210> 15447
 <211> 2124
 <212> DNA
 <213> A.fumigatus

<400> 15447
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 tatccctcca aggactccga ctctgtctgt tcctcacatg tccctccccc ctcatctccct 120
 gccagcacgg gctccgagaa cagaatgcgg ccctcttttg tccctccgtgc ctctctgatg 180
 ggctctcgct cggccgtcac agagagctac aatggccagt atgtggacga ctgtccccgt 240
 ctgtgtgctg acgcccgtcc cagcccggcc aactggactc acctccacca tctccgcaac 300
 ctcgagcgct gtgatcaaac ggctcctctt ggatgaacg tccatagctc tgcgcggcat 360
 ccaaaccacca tcctcaccat ccgcgcctgc gtggccagcc agggccagac gtacgagcct 420
 gccgcgcccc ccgatgtgcc tcagcagcaa cgcacacgca acctcgctgt cgctgaaaac 480
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 aaagcgctct ggcgggctcc gcagtcggct gatgtggccg aggtgctcgc ccaacttgcc 600
 ttgttcgtgg gccagagcgc cgagtcgggc gccaccatct tgttcgccaa gcacaagtgc 660
 gccgtcgtgg gcttgtattc tgggtgcccc atcaccaaaac atgccgcgca aggcgttctc 720
 gattcatatg cgggaaagca gacttcggct ctgcagatct gccatcctgc aagtgcagcc 780
 ctgactgtcg gagtggtttc aacagggttt gttgatctgg ccgcggtcga agatggcgctc 840
 aaaagctgga gcaatggcct ctgccttgac aggaccagc ccgcgaccgc cgtcagcatg 900
 gacgtgctcg tgcccaccat ggatactggg ttcaatgcga ctgcgcggc ccacggcaac 960
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 tgtgggaact tgcagagtgg ccaactcatc tgcctcagca agggaaaccc ccctatgccg 1200
 gcgcccgatc ccgacgccat ctgcggccca caggtgccgg ggacccagag gccttccaac 1260
 ggcaccgcat tggcgatct gaatccctgt cccctgaacg catgctgcga tgtctggggc 1320
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 gccaaatatg tggattactt tatctacatg acgtatgact tgcacggcca atggggtaag 2040
 gaaacgcata gccctgtcta cctgtctacc tgtctacctg tctacctgtc tacctgtctg 2100
 aacctgcata acgacttgtg ctaa 2124

<210> 15448
 <211> 477
 <212> DNA
 <213> A.fumigatus

<400> 15448
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 atcaccaaag ccggcggtga agcccggcag ttagtcgttg gcgtcaccag ttacggccga 180
 agtttccgca tgaacgatgc gtcctgtccc ggccctttt gcacctatgc cggagatcgg 240
 actcactcca tggcctctgc cgcctcgtgt acggccacgg ggggctacat tgccaacgcc 300
 gagatccacg acatcctcca gaaccacggc aactactcca tcgtcaaggc gtacgtcgac 360

aaggagtcgg actcgaatat tctctggacc gaaatccccg aacggtggat tgggtggcct 420
 aaatggacgg gggccgtcaa ggcccgccca tttgattgga tcaagaacct ctacttt 477

<210> 15449
 <211> 447
 <212> DNA
 <213> A.fumigatus

<400> 15449
 acgtccatag ctctgtcgcc gatccaaaca ccacccctcac catccgcgcc tgcgtggcca 60
 gccagggcca gacgtacgag cctgccgcgc cccccgatgt gcctcagcag caacgcccac 120
 gcaacctcgc tgctcgtgaa aactgcggcg ccaaggcaat ccagacagct ttactctccc 180
 atgttggccc ttctgacgctt ctcaaagcgt ctggcgccgc tccgcagtcg gctgatgtgg 240
 ccgaggctgc tcgccaactt gccttggttcg tgggccagag cgcgcagtcg ggcgccacca 300
 tcttggttcg caagcacaag tcggccgctc tgggcttgta ttctggtgcc caaatcacca 360
 aacatgccgc gcaaggcggt ctcgattcat atgccccgaa gcagacttcg gtctgcaga 420
 tctgccatcc tgcaagtga gccctga 447

<210> 15450
 <211> 612
 <212> DNA
 <213> A.fumigatus

<400> 15450
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 ggccgacttg tgcttggcga acaagatggt ggcgcgcgcac tcggcgctct ggcccacgaa 120
 caaggcaagt tggcgagcag cctcgccac atcagccgac tgcggagccg cgccagacgc 180
 tttgagaagc gtcgaaggcg caacatgggg agtgaaagct gtctggattg ccttggcgcc 240
 gcagttttca gcgacagcga ggttgcgctg gcgttgctgc tgaggcacat cggggggcgc 300
 ggcaggctcg tacgtctggc cctggctggc cacgcaggcg cggatggtga ggatggtgtt 360
 tggatcgccg acagagctat ggacgttcat accaaagagg accgtttgat cacagcgctc 420
 gaggttgccg agatggtgga ggtgagtcga gttggccggg ctgggaccgg cgtcagcaca 480
 cagacgggga cagtcgtcca catactggcc attgtagctc tctgtgacgg ccgaggcgag 540
 gccatcaga gaggcacgga ggacaaaaga gggccgcatt ctgttctcgg agcccgtgct 600
 ggcagggaat ga 612

<210> 15451
 <211> 702
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (286), (385)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15451
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 ggtacatctg ccgccacgtc ttcatctcca ccaagcccga agcgaaggcg gcgctcgacg 120
 ggggcccag gtgcgatttc ctctcccagg catgccgggc cgacctcaag acccagcttg 180
 acccaggatt gggggaacag ccgccagccg caccatgtgc tcggcgctgg ggttttgacc 240
 ccacccacc caatttgcga ggacgcggtt ggttcgccc gccaangaac gtcagggcgt 300
 tcgacgcggc tttcttcgcc gacgatgcc tggcgccggt gcagacgagc caagagcagc 360
 agcgtatag ctggcgcatc ggcantggat accacgaccc gggcgatgct cgcgcctacg 420
 ccgcccgcgc caaccggacg tacctcgtcg caaccgtctg gggcttcagc ccgagtgcaa 480
 agtcaccccc ggtccccgag gtgtcgtttg ggtgcctctc gtccggctcc agctacgtgc 540

cgccgcccgc	gtcaccceca	tcgtccatcc	ccagcgacgc	cgcgtttggc	gatgactttt	600
ccagcggggc	cgcgcccag	tggaacgactt	acggcggggc	gtttgacgca	tcctcggggg	660
ccttcgctcg	acgcaaacc	ctcgggggcc	ttgcgctggt	ga		702

<210> 15452

<211> 393

<212> DNA

<213> A.fumigatus

<400> 15452

ctctctgtga	cggccgaggg	gaggcccac	agagaggcac	ggaggacaaa	agagggccgc	60
attctgttct	cggagcccgt	gctggcaggg	aatgaggggg	aggggacatg	tgaggaacag	120
acagagtcgg	agtccttgga	gggatatggt	gcatataacg	gactaatgag	taatgctagc	180
tcgtcctgta	agctgccgat	atcagctcag	gccatttcc	gtcgggctat	cgagattcga	240
ggaaagctga	caaccctcgt	cggagttgcc	cgcttcccc	tcagatgca	tgaggctcca	300
gcccccttg	agaaacaggg	aaagcttctg	aagtctggtt	tgtccgcaga	gtgcaaattg	360
gcactaaagt	gtccatctgc	aactcaacct	tag			393

<210> 15453

<211> 1296

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (626), (725)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15453

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acaaggacaa	tgggctccgc	gctcaactcc	cccgtctaca	tcgactatgg	ggaattcttc	120
atgaatagca	gcaacgtcct	cgctgtcccc	tatcagaatg	tcaccgccgc	cttcacgacg	180
cctgtcgccg	tcaattcgac	cgccatagat	ggcttcgact	ggacgcagcc	gtaccggggc	240
tcccgcgcgc	acggccacac	ggtgtacctg	gagatcgccc	aggaaatgcc	cctgtcggcg	300
tctatcgtgg	agaattccac	caccgtcctg	tcgtccttga	cgtttggcat	tccagacagc	360
atgcgatcgg	gcggccagcc	cctggccatg	gacccctcgt	ggtacatctg	ccgccacgtc	420
ttcatctcca	ccaagcccga	agcgaaggcg	gcccgcgacg	ggggccgcag	gtgcgatttc	480
ctctcccagg	catgccgggc	cgacctcaag	accagccttg	accaggatt	gggggaacag	540
ccgccgaccg	caccatgtgc	tcggcgctgg	ggttttgacc	ccatcccacc	caatttgtca	600
ggacgcgttt	ggttcgcccc	gccaangaac	gtcatggcgt	tcgacgcggc	tttcttcgcc	660
gacgatgccc	tggcgccggg	gcagacgagc	caagagcagc	agccgtatag	ctggcgcatc	720
ggcantggat	accacgaccc	gggcgatgct	cgcgcctacg	ccgcggccgc	caaccggacg	780
tacctcgtcg	caaccgtctg	gggcttcagc	ccgagtgcga	agtccacccc	ggtccccgag	840
gtgtcgtttg	ggtgcctctc	gtccggctcc	agctacgtgc	cgccgccgcc	gtcaccceca	900
tcgtccatcc	ccagcgacgc	cgcgtttggc	gatgactttt	ccagcggggc	cgcgcccag	960
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ctcgggggcc	ttgcgctggt	gaacagcaac	ttcagcaact	tcctcttcga	ggccgacgtc	1080
acgtgcctct	cgacctcggg	caacgcgggg	cttgtcttcc	ggcgcaccaa	tccgagcgtg	1140
ggcgccgacg	cctacaatgg	ctactacgcc	gggatttcgg	cctcgggggg	ggtcctcggc	1200
cgggcgagca	acaactggac	gcagctgggg	agcggggcgg	ccgagctcgc	cgcgttttca	1260
atgcgcagca	gcagatcagg	ctatagttcc	ccaggg			1296

<210> 15454

<211> 564

<212> DNA

<213> A.fumigatus

<400> 15454

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ctcgtcttcc	tcattctccc	tgccctgggc	tacgcggctc	cagcttccgc	caccacccag	120
caccaggccc	gagacgtgaa	gatcacagca	acgcagatcg	agaccatcgc	gcccgaagtgc	180
aagtcgtgcg	cggacgcacc	cgccccgggc	gaatgcgcca	catccgagca	ggccgcggcc	240
aacatcgcaa	agtcgtttga	gacgtacaag	gtgacctcgg	ctgcagagca	ggcggccgctg	300
atagggttga	tggcctttga	gagtttggac	ttcgagtaca	ataggaacca	ttccctggt	360
gttgccggggc	aggggagtat	gtttgccctt	gttttttctt	ttttcttttt	ttacgattcg	420
tattttctgca	agaggaaggt	tgaccctgat	gtgaatagcc	cggaatatgc	aatcgccctgc	480
attcaatgcc	aagtatgcgg	cttctctgcc	agctcttgca	gacaagttga	aggacgtgtc	540
tggcgatccg	gcgggtgtcc	ttga				564

<210> 15455

<211> 651

<212> DNA

<213> A.fumigatus

<400> 15455

ctggaattga	ttcagggttg	caaccggcga	ttagatcccc	tcctctccta	ccctgcttgg	60
gtgcgcgcta	ccgttccaac	gggtatctcg	aacgatgcca	tgggatccgt	ttcccaaacac	120
ccgtttttcc	ttcgagtcac	tgaattgctg	aaatcttacg	accgcagctg	gctgcttctt	180
tatattaccg	tcattgtactc	gactggctct	ctcttctctg	cagtgatttg	gaaggaatac	240
atgcaagata	aaccgagtga	ggctgcacga	gttcggattc	tcattgcagga	tgaatacaac	300
aagtattcgt	ggagcttctt	cactcaccac	gtcggtaaca	gctggcacgg	taaggacgcc	360
aggttgattt	tctggatggg	tcaacattgg	atgttctctga	ctgttctggg	tttcatcctg	420
gcctctgtcg	tggggttctg	cctctggtgg	gtctatgggc	gcatgattct	cctgagctcg	480
aaataccgct	accgatactc	gaaactaccg	ggcctgggtc	gcttatcctc	ccctacacgt	540
cgatctcgag	gogtcatgcc	tacgctactt	cgccgtgtta	gctttaagga	agacgaagaa	600
tctgcccattg	ttacggagac	ctcgttcgaa	ctttatagcc	gtcgcgatta	a	651

<210> 15456

<211> 312

<212> DNA

<213> A.fumigatus

<400> 15456

atagcccga	atatgcaatc	gcctgcattc	aatgccaaagt	atgcggcttc	tctgccagct	60
cttgacagaca	agttgaagga	cgtgtctggc	gatccggcgg	gtgtccttga	cttggttgcg	120
tcgaatgagg	aatatgattt	cggttccggg	gcttggttcc	tcaccacgca	gtgctcgcag	180
gacgtgcgct	cggagctcca	gtctggttcc	caggggtggg	gggagaagta	catcaccagt	240
tgtgtgggga	cggatgcaaa	tgaggaaacgc	aaagcgtact	ggatgcgggc	cgtgcaggcg	300
ctgggtgctt	ag					312

<210> 15457

<211> 564

<212> DNA

<213> A.fumigatus

<400> 15457

aacgcgggac	atgttccgct	aaaaagaagt	gacactgaac	gagaccctga	ttactgctca	60
gtccttggag	tcgagatatt	gctgagacaa	gctgattcac	gattcaattg	cacgggaact	120
ttttggtcac	cggctcctag	aaacacaaacc	cttcaattac	tgaacttgcc	gocctacatc	180
tacacaatgc	ctctccccgc	acgaacagcg	accgtctcgc	gggtgaccaa	cgagaccaag	240
atccaggtgt	ctctctctct	cgacggcggc	gtcctccctc	catatgagcc	gtcagatcat	300
ttccctgctc	ctgaagacct	gaaggaggca	gaggccgcca	atcatggcat	cgtccccccc	360

aaaaatgccg	cccatgcgac	ccagttcaca	ccgaccacgc	agatcacgt	aagcacgggg	420
atcggttttc	tggatcacat	gctgcatgct	ctcgccaaac	actctgggtg	gagtttagcc	480
atcagagcca	agggagatct	gtacagtatg	tgcttcagtc	tcgtccactc	gcactatata	540
gtggctaata	tggtgtacag	ttga				564

<210> 15458

<211> 498

<212> DNA

<213> A.fumigatus

<400> 15458

ccatcagagc	caagggagat	ctgtacagta	tgtgcttcag	tctcgtccac	tcgcactata	60
tcgtggctaa	tgtgtttgtac	agttgacgac	caccacacca	ccgaagatac	cttccttgcg	120
ctcggtaccg	cctttaccaa	agctctaggc	gcccggcaat	ctcttgcaag	atttggacgc	180
ggcgacgctc	cactcgacga	ggctctctcc	tgggctgtga	tcgacctctc	cagccgtccc	240
tggggcgtga	tcaacctggg	cttcaagcgg	gagaagatcg	gagacctgag	caccgagatg	300
atcactcatg	gactgcacag	cttcgcgcag	gctgccgatg	taacgctgca	tggtggctgc	360
acatacggag	ataacgacca	ccaccgtgca	gagagtgcgt	tcaaggcgct	ggccgtagct	420
atccgcaactg	cctgtaccag	aaggggtggc	ggcgaagttg	gagcgggaga	tgtggttagt	480
acaaaggag	tgctgtaa					498

<210> 15459

<211> 426

<212> DNA

<213> A.fumigatus

<400> 15459

gttcacatag	taatacaaag	gctggtcatt	gattctgact	cgactacagc	tggcattcct	60
aatgtctact	actttggcca	ggaaggggtg	cacaacatct	tggtcattga	tcttcttggt	120
cctagtcttg	aagacctctt	cgatcattgc	aatcgctcgt	tcactgttaa	aaccgtagtg	180
atggctcgcca	agcagatggg	gcgtgttggt	tttactcctc	cggcgtgccc	gatactaaca	240
ccattaccag	ctttcgcgcg	tccaaacaat	ccacgaaaag	aatctgatct	atcgcgatat	300
caaaccggac	aatttcctca	tcggacggcc	gggcaccaag	gctgcaaagt	tgattcatgt	360
cgctgacttt	ggtatggcca	agcaatacac	agatcccaag	accaagcagc	acatccccta	420
tcgtga						426

<210> 15460

<211> 594

<212> DNA

<213> A.fumigatus

<400> 15460

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gacacccccg	attatgacta	cctgagggac	ttgcttacct	aagctctaaa	gaacgctggc	120
gaagtagagg	atggagagta	tgactggatg	aaactgaacg	gcggcagggg	ctgggaatac	180
aaggcgtatt	cgtcccagca	gcacctgcag	cacaatcttc	ccaattcgct	tgcccgcgag	240
ctccatgcac	agcagctccg	cggcagccag	aggcctggcg	ttactgcaga	ccgtttaaac	300
gccgcgcagc	ccccgcccc	atctccagcg	aaacctggag	ctgggaaaac	gcgcgaccgg	360
ccaagcgcc	ccggcggaat	gccaccgaaa	cgtcagagcg	ggggtttgga	agcgacaaca	420
ccaacggcat	cgaccaggc	gcagttccag	aactcgaaag	cgaacttgct	gggtcacatg	480
ggaagtccgg	cgaatcccac	gaagaacagc	caacaaggcc	agggcaccca	gggcaatgac	540
ccgcagccta	ctttcgtcca	aaaattgatg	aaagcgctgt	gctgcggtag	gtga	594

<210> 15461

<211> 441

<212> DNA

<213> A.fumigatus

<400> 15461

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atcaaaccgg	acaatttcct	catcgagacgg	ccgggcacca	aggctgcaaa	tgtgattcat	120
gtcgctgact	ttggtatggc	caagcaatac	agagatccca	agaccaagca	gcacatcccc	180
tatcgatgaac	ggaaatcgct	gtccggtaca	gcacgttaca	tgagtatcaa	cactcatctg	240
ggacgggaac	aatcacgacg	ggatgatttg	gaagctttgg	gccacgtctt	cctttacttc	300
ttacgaggtg	gccttccttg	gcaggggttg	aaggcagcta	ccaacaagca	aaagtacgag	360
aagatcgag	aaaagaagca	aaccactgcc	atcaaggatc	tctgcgaagg	atatccaggt	420
atgtttgttca	ccaagttgta	g				441

<210> 15462

<211> 585

<212> DNA

<213> A.fumigatus

<400> 15462

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aagaagccat	taattcttct	cgcttttgag	aacattgagt	cggtctcata	cacttcagtc	120
ctccagcgca	ccttcaacct	caacatcgcg	gtgcggcctc	acaatggtga	tgaaaacgcg	180
acgcaggaag	tcgagctgtc	catgattgat	caggctgact	atgccggtat	tgatgcatat	240
atcaagaaaa	acggtctaca	agacgcgagt	ctcgcagaag	cgcgacgtgc	taagcgctac	300
aatatcaacg	gagccaaggc	agaggaaaat	gctgctggca	ccgcgaacga	caatgctgtg	360
gaggagagcg	aattacaaaa	ggctcagcgc	gagcttgaag	atcaggagga	tgaggaagaa	420
gaagactaca	atcttgggag	cgatggcgag	agcgatggta	gtggctcgag	cagcgaagag	480
ggggacgatg	gcaatgaaga	aggcgacgaa	gatgatgaag	ggcaagacct	tgttgcggcc	540
gagcttggga	gcgaagcaga	agacgtagct	gaggacgaac	tgtga		585

<210> 15463

<211> 270

<212> DNA

<213> A.fumigatus

<400> 15463

caggatcttg	tttacgtcga	gtgcacgaaa	gttagtgtca	cagatccgag	acacaaatca	60
cagttcgtcc	tcagctacgt	cttctgcttc	gctcccaagc	tcggccgcaa	caaggctctg	120
cccttcatca	tcttcgtcgc	cttcttcatt	gccatcgctc	ccctcttcgc	tgctcgagcc	180
actaccatcg	ctctcgccat	cgtcccagg	attgtagtct	tcttcttctc	catctctctg	240
atcttcaagc	tcgcgctgag	ccttttgtaa				270

<210> 15464

<211> 1329

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (23)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15464

ggccggttga	tgagcgcgcc	canagaaggt	cacgggtgga	gcaagctatg	ggactctgtg	60
gacatgcgcg	cgattgagag	agatattaca	gaatcacgtc	tacatcttca	ccggaccttt	120
ctcaaagcta	cggaaaatct	ggtcaagcgg	ccacgacgac	cactacacaa	accagaagag	180
atacggtttc	ttctgatact	cctcgttaat	ccattgatat	accctcaag	cccttctctg	240

ccacatgtca	atctcaccoca	atcccaaggt	ggcaggcggc	catcccatcc	aaaggagagt	300
cgtgagagga	taccgctccg	tgatgctaga	ccttccccca	aagaacaatt	gggaccttct	360
gcgccttgca	gtggacctcc	aggccatcat	tttggcatcg	tcaagcgcat	actgggctta	420
atggcacact	tgcccaacga	ttgccatcac	tatctcgtct	cctgggtttc	acgccttctt	480
actggacagt	ttgaaagatt	agtggacctg	gtgggcagct	tcgtgactta	ccgtcttagc	540
cggcagcaag	gacggaaacg	cagcgaggcc	atcgaaaatg	ataacagtct	agtaccacgc	600
ttcagtagtg	cagctgggaa	tactcctgcg	gaactgcacg	ctgcaattaa	tggtagaggc	660
cccagcaagc	cagcgaaaga	caagcggatt	aagcccgtgg	tgtacggaga	tgattggcag	720
atccgggcgg	cagcaagagt	gatgtctctg	ctattcacag	caaacaatac	gagtgtctgt	780
cggaaagccag	atgcagcatt	tggccaggaa	gcaggctcct	tggcaaatag	agctgcggca	840
aatcgccgag	gacataaggt	cccgatcagt	gccttctaca	atacactgct	ggattattct	900
gatcttgtgg	cggattttcga	agcctgggag	tcaaaaatgg	ccaagttctc	gttttgtcaa	960
tatccttact	tcctcagtat	ctgggcgaaa	atacatataa	tgtagcatga	cgctcgctcg	1020
cagatggaag	tcaaagctcg	ggaggcattc	ttcaatagta	tactgagtcg	aaaggcgata	1080
agtcagtatc	tcgtattgaa	ggtccggcga	gattgtcttg	ttgacgacag	tcttcgaagt	1140
gtcagcgaag	tggtgggttc	taaccaagaa	gagataaaaa	agggcctccg	cattgagttt	1200
gttggcgaag	aggggtgttg	tgcgggagga	cttcgcaaag	agtggtttct	tctgcttggt	1260
cgggaaattt	ttgaccctca	tcacgggatg	tcgacggcgt	tgacgcgcaa	aacagagagc	1320
tcgagctga						1329

<210> 15465

<211> 984

<212> DNA

<213> A.fumigatus

<400> 15465

ccctcatcac	ggtatgtcga	cggcgttgca	cgccaaaaca	gagagctcga	gctgattgat	60
acaggactct	ttctgtatga	cgaggattcc	cgattctgct	atttcaatcc	ctactgcttc	120
gaatcatctg	agcaattttt	cttggttggt	gtgcttcttg	gactggctat	ctataattca	180
acgatecctag	acattgctct	tccgccgttt	gccttcaaaa	agctgttggc	agctgctccg	240
cagaccagcg	ggccgcaacc	ttcaagtgcc	cggtcgaact	acagggtgtac	tttggatgac	300
ctggcagagt	accggcctgc	acttgccaaa	ggactccggg	ctcttttggg	gtttgatgga	360
gatgttgccg	atacattctg	ttatgacttt	gtggcccaacg	tcgatcgtaa	tggtgaggct	420
gttgccgtgc	ctctctgccc	tggaggcgaa	acgagaccgg	tcaccaatgc	gaatcgacgg	480
gaattcgtgg	atttgatgtg	tcactacatg	ctagacacag	cagtcactcg	acaatttgag	540
cctttcaaaa	gagggttctt	tactgtgtgt	ggcggaacacg	cgctctcgct	gttccgaccc	600
gaggaaatcg	agttgcttgt	tgcgggctcg	gacgaagcgc	tggacgtcgc	gtcgcttcga	660
gcggttgcca	catacgacaa	ttggtctcat	ccccggcccg	agaacattcc	agttgttcgg	720
tggttctggg	aattcttcga	gaataccgat	ccccaggcgc	agaggaagat	tctttcgttc	780
attacaggca	gtgaccggat	accggccatg	ggggcgacaa	gtcttacgat	ccggctggcg	840
tgcctcggag	acgatgcgtc	gcggtatccg	atcgcacgaa	cgtgtttcaa	cacgctaggc	900
ctgtatcgat	atcccacgcg	ggaaaaattg	gagcggatgc	tctgggaagc	ggtggggaac	960
agcgaagggt	ttggactgaa	gtga				984

<210> 15466

<211> 636

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (266), (380)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15466

cccagcgtgt	attcactgct	ttttgataac	tgtattgcca	ctcgctcttc	ttctgttcgc	60
------------	------------	------------	------------	------------	------------	----

catctcagtg	ttctctctctc	tccactctcc	tctctacaac	tctctctgtt	tgagatcacc	120
cacatttacg	aatctcgcac	acctcacgag	agacacaaac	taaagatcat	ggctactcac	180
gttgtcacta	ccaccaccac	tatttctcct	ctgtctgcc	accagatctc	tgtttacggc	240
catccgtcgc	ctgtcaactc	ggttntgtcc	acgcctgcc	acaattctcc	cattactccc	300
cgcctacagc	atcttccatt	gcagtgtcgt	cagctgcggc	ttcttaaggg	tcccttgat	360
gtccccgctg	ccctgcgten	taccgaacgc	cctcagaagt	cgtctcccc	cacccatccg	420
cgcagtgcgc	acgggttctt	ggacagtttg	aacaacgaag	aacctagtac	gctcgtcagc	480
cgtcgttcga	ccatggagag	caacttcaac	aacactatca	gcaagctcgc	tgagaatgag	540
tggatgaaga	tggagcaact	tggtaagtt	actggctctc	ccaccagaga	acactggaag	600
gttagtatct	tcttttctct	tttctcttcc	tcttga			636

<210> 15467

<211> 504

<212> DNA

<213> A.fumigatus

<400> 15467

tcatttaccc	taccgggact	ctctactgcg	ttaggcaatg	agcagaagat	taacaatgct	60
ccctcacagg	cggacgctgc	ttctcccaac	tgcgactcac	ccacctgccg	ctcatctttt	120
ggcctcttcc	tgcgtcgtca	ccattgccgc	cactgtggac	atgtgttctg	ctcctctcac	180
actccccata	tagtgccctc	cgatcaagat	gctcgtctcc	acctgaagg	agttccttct	240
cgcgcctcgc	atctctgctg	gagcgcttac	caacgctggg	aagaggctcg	cactgagcgt	300
ttaaacaata	tccagtctct	cttggtctcag	caggagacga	ctggcaataa	caaccaagac	360
accgagtctg	ccacaaacgc	tacagcgagc	tcagacactc	tgacgagga	cgatccttcg	420
aaccaagcca	ccaatgcttc	ccagggccag	gctactgata	ttgctgccag	cgttccccgc	480
ggatggaact	ggagcacctt	ctaa				504

<210> 15468

<211> 750

<212> DNA

<213> A.fumigatus

<400> 15468

atcggatcac	tgatctacgc	tctacgactg	tctacattt	tctgcatatg	cataccgtct	60
tcagattcat	tctctgaatc	tgtccttatg	attctctctg	gaggtctttc	tgaccatcat	120
tccgggtccat	ttcgggtcatc	tgtgcggagt	actgggtttc	attctgggtt	cttgtctttc	180
gccccctttc	gttctctccg	catgggtttt	catgcggctg	atcgaaagg	ttcttgctgt	240
tgttggttcag	actcaggata	ccccgtcatg	cttctttctg	agcggcgatg	tgttatttca	300
attctcatgg	tttacggcgc	ttacgaagga	atggcggtgt	tattacattt	acttaattct	360
tatcagggtg	ccatagatgg	ttgtctaata	cattacaatg	attctctatc	tagatatctt	420
cgtcgggatc	ctttctccca	ctgtaaatct	atgcatgagg	ctctaggtca	atcctcttcc	480
acatccctac	atgctcaatg	ccctcctcat	cccacctccc	catcttctca	tccgtcacaa	540
acccaaaccg	ctcatacatc	ttctccccct	gcacctgtgc	gtgaaccagc	accaaccctt	600
tccacctcaa	ctcctctccc	gccaccgcgc	gacacgcctc	ctggatctcc	ttcacatgac	660
ccctcgccca	ccccaatgcc	tctcaacca	gtctccgcgc	gagtccaaga	cctcgggtact	720
ccctcaaaac	cgccactctc	gtcaacttga				750

<210> 15469

<211> 231

<212> DNA

<213> A.fumigatus

<400> 15469

atgtctcttt	actacgacgc	ggtctcgggt	ttgaccgctc	catcatcaac	gggggggttc	60
ttcaaatccc	gcattctacg	ctcgcggaac	ctcaaatcct	ccccggcgca	aatctacgct	120
ctgggtcatc	aggcctcaaa	atgggatatc	cttctcaagg	aggtcattga	ggccgcaggg	180

atcctcaagc acgagcccaa ggtagctacg atcatgttct atctaccata a

231

<210> 15470

<211> 996

<212> DNA

<213> A.fumigatus

<400> 15470

ccgagacctg	tgggtgaaca	gtcactccc	ttacttgccc	tactgcttgt	gcacgaccac	60
ctcctcgcca	agaatggcat	cgcagccaac	gcaaaccatc	cgctgcgcca	ggcgatcgag	120
agacacaaga	ctaggctaaa	tggagaattc	gtcaaggcgc	gcgtgcgccg	cggatgtgct	180
tcgatacccg	atctgaaggc	tgccgtgcta	cgcgagaaac	aggccgcgca	gggtgcggtc	240
gggacttctt	cgacggcggt	gtatccgcgc	tgggtgcgga	tcaacaatct	tcgcacgacg	300
atggaggagc	agctccagtc	tacattcaag	tcgtatacca	gagtcaattc	gctcgcgag	360
ctaggggaga	aagacgaggc	gaagctgtac	gttgaccgc	acgttcgga	tcttgtggcc	420
gtcgcgcggg	gcgtggactt	cacctcgtec	cctgcctaca	agaacgggca	gatcatcttg	480
caggataagg	cgtcgtgttt	cccggcatat	ctgttacttg	gggatagcga	ggactggtcc	540
ggcgatctgc	tggatggatg	cgcggcacct	ggaacaaga	cgacacacat	ggcttcgttg	600
cttgcggaagc	atgccgcggg	tagggacgtt	acccgccaca	tcgtttccat	ggatgcgtcc	660
aaggtgcgct	ccaagacatt	gcagaaaatg	gtcagcgccg	cgggcgcaga	caatatagtc	720
accgtcctcc	agggccagga	tttcctggcg	ctcgatccaa	ccgaggaacg	cttcgcaaac	780
gtcaccggcc	tccctcctcga	ccctaattgc	tccggcagcc	ggatcgtccg	tcgcgacgac	840
gtcccaaac	tcccactgcc	ggccgctgca	tccccgccga	ccaatttaat	cacagggaaa	900
agaagcgcaa	acccccgccc	cgacgacgaa	ggaggagact	ctgccccggg	caacgccggc	960
ggttgcgaac	tcaacttcag	cgttcgcgac	cgatga			996

<210> 15471

<211> 195

<212> DNA

<213> A.fumigatus

<400> 15471

tggatatcca	ctaactgtcc	cagctcctac	tccccctcct	tcacctcaaa	cgcacaacac	60
atcaaaatga	ccgtcgaccc	caacccaaaa	tcattttaccg	ggggcctcca	aacaccggcc	120
gaaacaggac	ttaaccttcc	catttcctcg	aaccatttcc	caccaacaac	cccccgactt	180
tcaacgacgc	gatga					195

<210> 15472

<211> 381

<212> DNA

<213> A.fumigatus

<400> 15472

ctattacagc	tttatgcagg	cctccttagt	caagaactta	aggttttcct	ttttttttcg	60
gatgcccctg	aatcagctca	aaccatcata	ccttcttttc	gagcctcaat	tgatcaagtc	120
tgtctttacc	acatcgacat	aatggctcgca	tatcagcttc	tcctcagcct	ggccaccgct	180
ggcatgggtct	cagcccagaa	caccgtcacc	tccatgctga	tctacggcgc	agaccacag	240
cctcttgctg	cttcgctcgt	cggtagtgta	agttctcacg	agtcatgtca	attcctgacc	300
ctcggaagac	aatctgacct	ggcctcttta	ggacgccacc	gcaacaacct	acagcatcaa	360
ttgtcccca	ggcacagata	g				381

<210> 15473

<211> 189

<212> DNA

<213> A.fumigatus

<400> 15473

agataacctga	atctctctctc	gacttttggcc	ttttccgccca	ccctgatggc	ttcatgggag	60
acagtgggag	gaagtatatgc	ggccggattg	cttaatggcg	ggccatcagc	aattgtttat	120
ggaatgggtg	ttagcacaat	tggcagtgtg	gcagttgcag	catcactggc	cgagcttgcc	180
tctgtgttaa						189

<210> 15474

<211> 531

<212> DNA

<213> A.fumigatus

<400> 15474

acagtttgct	acaaacggaa	actacagagc	aaatacacccg	aaagccactg	cagcagcccc	60
gaaaagccca	gcagcaccac	cagtcacccg	cggcatcccc	ccggtactca	cagccgacga	120
ggtcttgctc	gaagcagtcg	cagcggtcgt	agcggtagca	ctggcagtcg	ccggcgtcgc	180
actcgacta	gcaccagcac	tagcaccagc	cgtaatagtc	accgccatca	gaggcagatc	240
attggaaaac	gtcgaggaac	taacaccagg	gaaattcgcc	gccgtgccgc	tggccgtctc	300
gatacacacg	cctgtggtcg	ttccgccaac	agagcagctg	accgtccaat	gactactgca	360
catcaatcat	ctgttcacag	atcaggccaa	agctgtgagt	ttgtgactta	caagtcttcc	420
tgcggctcat	ccatcttcag	cacggtggtc	gtgggaccgg	cgacaagcgt	caggccgggg	480
cccatgccgc	agtcggtgct	atctgtgcct	gggggacaat	tgatgctgta	g	531

<210> 15475

<211> 864

<212> DNA

<213> A.fumigatus

<400> 15475

ctcctttggg	tggtgagtag	cgccgagata	atgttcaaga	agcataaatc	gctaacaatc	60
ttaggggtgg	atggtgtcat	ccacatggcc	gaagaggtaa	agatggcccc	caggaccgta	120
ccaagatcca	tgatctgggg	aactattacc	aacggcatca	tggcgtttgg	atacgccatc	180
gccgtcctct	actgcatggg	agattacatg	gaggccctga	cctccccgac	aggataacca	240
atcatcacga	tcgtctacca	ggccaccagg	tccaagaccg	ccgtcaacat	cctcatggcc	300
atgggtcttc	tccccggctg	gattgcgctg	ttcaacggcc	tggcatccgt	caccgcctg	360
acatgggctt	tcgcccgtga	caatggctct	ccgttctccg	attttttcgt	gcacatcgac	420
cggaagcaca	agattcccat	ccgtgctttg	ttcctcgctg	ccacccttgt	cgtcctcctg	480
tcgttcatcc	agatcggatc	caccgctgct	ttcaatgcaa	tcctctccat	cagcactctc	540
gggcttgtac	ttctcgtaca	tcatccccct	gatactattg	gtgatcaagc	gcttccgcga	600
gccccaggac	atccccctg	gtgtcttcca	catgggcgcg	tggggtctcc	ccgtcaacct	660
cttcgcgatt	gcattcgcaa	tctacgtctc	catttttcta	cccttcccag	ctcaggtgcc	720
cgttaccggc	gagaatatga	actatgcggg	gcccgtcctg	ggggcggtca	tgatcttcgc	780
ctgcgtggac	tgggtagtgc	gcggacggag	gaagtgggtg	gggccgacga	ttgtcactca	840
agaggaccga	cgtagttct	atga				864

<210> 15476

<211> 495

<212> DNA

<213> A.fumigatus

<400> 15476

catgggcttt	cgcccgtgac	aatggtcttc	cgttctccga	ttttttcgtg	cacatcgacc	60
ggaagcacia	gattcccatc	cgtgctttgt	tcctcgctgc	cacccttgtc	gtcctcctgt	120
cgttcatcca	gatcggatcc	accgctgcgt	tcaatgcaat	cctctccatc	agcactctcg	180
ggcttgtact	tctcgtacat	catccccctg	atcctattgg	tgatcaagcg	cttcgcgag	240
ccccaggaca	tccccctgg	tgtcttccac	atgggcgct	ggggtctccc	cgtcaacctc	300
ttcgcgattg	cattcgcaat	ctacgtctcc	atttttctac	ccttcccagc	tcaggtgccc	360

gttacccg	agaatatgaa	ctatgcgggg	cccgtcctgg	gggcgggtcat	gatcttcgcc	420
tgcgtggact	gggtagtgcg	cggacggagg	aagtgggtgg	gtccgacgat	tgtcactcaa	480
gaggaccgac	gtag					495

<210> 15477

<211> 309

<212> DNA

<213> A.fumigatus

<400> 15477

atgattttat	cctgcagcgc	tttcctgaaa	cactctctac	cgtcattcgc	caaagccaac	60
cctcagatcg	aaatccgagt	atcaccacgg	ccgcacaaac	atccagtgat	caaagggtcac	120
tatatcaacg	gacgagagaa	agctatatgc	gttcgaaata	tggaaacctga	acaaatcttg	180
aagaaggcga	atctgctcaa	ggaagccagc	ggagagaagc	tcaagcgac	caagaaaccc	240
gtcaccagtc	tcaacgagag	tgtaagaggc	atctggtccc	cataccacgg	agatctcaag	300
atggtatga						309

<210> 15478

<211> 192

<212> DNA

<213> A.fumigatus

<400> 15478

actgatggcc	aagagggtta	ccctgtctgc	aaagagggag	aagttctgga	ctcgcggcag	60
acaacgttgc	tgaagatgtt	cggtgtcgct	actgccgaat	tcaaagtcga	tctaaaggcg	120
caatggactc	ggagtaccgg	tgaagttaag	atccttgaga	aggatgaggg	catggacgtt	180
gatggacagt	aa					192

<210> 15479

<211> 474

<212> DNA

<213> A.fumigatus

<400> 15479

gtagccctct	ctaggtctga	taggctcgcg	gttgctacca	gttacgccag	gggcccgggc	60
atctctctca	tactttccac	caccagcata	gccgcctcca	aagccaccat	tccggccacc	120
accgggacca	gagggagcgt	ttggtggagc	ctgtccaccg	aagccattgc	gtccgccttg	180
atagccaatc	ccgccacgag	ggccaaaacg	atcgccaccg	cgatatcctc	ctcgaaagcc	240
tctacctcgc	tatccgcccc	ggaatccgcc	accaaatact	ccaggggccag	aaggcgccac	300
gaaagatcca	ggtccggtgg	gacgcgaggg	caaagcctta	gtatagccac	gtcctcccaa	360
gcctccaccg	aagcggcgag	gcttccagcc	tttgactgtg	cggccacgtt	ccacatctac	420
caaaacacgt	cgatccttga	ttcggattcc	atctgtctct	ttgtaggcag	ctga	474

<210> 15480

<211> 186

<212> DNA

<213> A.fumigatus

<400> 15480

gaagggtggca	cgaacatgtc	cacaaggttt	cgctacccat	atctgttgct	ttgtctcgtc	60
ccctattccg	agttcctcat	cacaatttgg	gcacacgacc	agatcgtctt	ccccagcgct	120
tctcgtgaat	ccttcggagg	gaggacttgg	cgttttgtac	gagctctggc	gggagcctct	180
acctga						186

<210> 15481

<211> 186

<212> DNA

<213> *A.fumigatus*

<400> 15481

atcccagaga	ttcgccccta	tgaagccccc	atttctaggt	ggaggtgctg	gcactgggtc	60
tggctggcgc	actgtggctc	tgacaaactg	aacttccgga	ctacttgggtg	tatctatccg	120
aattatatct	tctgggttctt	caagatcgac	aacttccggc	attatgtttc	ttccaaatcg	180
tggtag						186

<210> 15482

<211> 279

<212> DNA

<213> *A.fumigatus*

<400> 15482

cagacaaact	ttccccctccc	ctcctggcgc	tcttccagcc	tcgttccacc	attacgttac	60
gttctctccc	ttgatcgcg	acccgacgat	atcaagaaga	gtagcattgg	cggcgttgca	120
gatttccctg	gagaacttaa	gaaatatgga	gaagaagttc	cttacaatgc	cacagagagc	180
tggctgcaac	gcaagtggcg	tcagaagctc	gagaaaaagg	agaggctgaa	taagcagttg	240
actgaaggcc	ttcaatcttg	taagggcctc	gaccattga			279

<210> 15483

<211> 252

<212> DNA

<213> *A.fumigatus*

<400> 15483

ctggtagcaa	ccgcgagcct	atcagaccta	gagagggcta	ctcagagcga	gaccgacgtg	60
atcatgatcg	tgatcgggaa	agtgaccgcc	acagagaccg	tgatcgggat	cgctaccgtg	120
accgtgatcg	cgaccgcgaa	cgtgagagat	atgggtggccg	agaggactat	ggcccgcaagc	180
gatatcacga	agacgattca	tatgaggatc	ctcgcgctaa	aaggaggtag	taaacctccc	240
ttactggatt	aa					252

<210> 15484

<211> 1077

<212> DNA

<213> *A.fumigatus*

<400> 15484

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gaccctgaac	catcctcgtc	ccaaggcctc	aattctccgc	atagccgccc	aacattgcca	120
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<210> 15485

<211> 687

<212> DNA

<213> A.fumigatus

<400> 15485

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<210> 15486

<211> 321

<212> DNA

<213> A.fumigatus

<400> 15486

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<210> 15487

<211> 804

<212> DNA

<213> A.fumigatus

<400> 15487

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<210> 15488

<211> 183
 <212> DNA
 <213> A.fumigatus

<400> 15488
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<210> 15489
 <211> 504
 <212> DNA
 <213> A.fumigatus

<400> 15489
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 aggaaagtgt ctcataaatg cgtagtcca ctgaacatta cttgccatct gaaagccacg 240
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 caagtcaatt atccttataa cgggcgaaag gttatcgctg gtatctctcg acagctcgac 420
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<210> 15490
 <211> 2601
 <212> DNA
 <213> A.fumigatus

<400> 15490
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<210> 15491

<211> 471

<212> DNA

<213> A. fumigatus

<400> 15491

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ggtgagcccg cgggggtgaa cggggagggt gagcccaagg cccgtgtccg tctctgcacc 180
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gcggtccact ggactcgaga gcttaggggt tggctgtcac tcaagttcga cccactcgt 360
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<210> 15492

<211> 1518

<212> DNA

<213> A. fumigatus

<400> 15492

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<210> 15493

<211> 1857

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (45)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15493

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<210> 15494
 <211> 525
 <212> DNA
 <213> *A.fumigatus*

<400> 15494
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 gagaacacca agtcaccaca gctcatccaa gtgtctgcga gcaatgacaa tatccgatcc 180
 agacaggcac atctgaaatg gcacaacgtg atcagcggat ctattgagga accttttgcc 240
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<210> 15495
 <211> 1077
 <212> DNA
 <213> *A.fumigatus*

<400> 15495
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<210> 15496
 <211> 663
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (592)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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<210> 15497

<211> 2631

<212> DNA

<213> A.fumigatus

<400> 15497

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<210> 15498

<211> 1863

<212> DNA

<213> A. fumigatus

<400> 15498

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gatctgcttt	tgaagcaatc	gtcgcaacta	caggacagga	tgttgctggt	ggtagaagag	1140
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attgacgagc	cgcaagaacc	atcgccagac	ctcgacgaag	ctcaaagcaa	tgagccgttc	1800
aaggtagtgt	tgaggccac	ggtccagaat	gcaacttcca	caaatgtctt	tgttgtcaag	1860
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<210> 15499

<211> 1359

<212> DNA

<213> A. fumigatus

<400> 15499

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gcaaaagtcc	gcaaatttat	ggacgaagg	cccgatgatta	agaagagata	tgggcaggct	180
gcagatctag	tcaacgagca	cgagatcgag	gagataagaa	gacaaggagg	tctcgcagct	240
ccacctgatt	caattgacga	gcggattttc	ccgtcttttag	tcgcaagtc	catgactcgg	300
caacaacctg	cagtattccg	tgacttcgtc	ctcacagcat	ttccccgctt	tttcggctcg	360
aacaaatatc	gcgtccatgt	tccgtgggca	gtgtatgtat	cggacgttct	ggggactact	420

ccggccctgg	atgcagctat	tttctgcata	acttccgttt	tcatgggacg	ctcgaatcac	480
gacgtcgccc	tgcaaaattc	tagccgagag	atgtactcaa	aggctctagt	atccttagga	540
ggcatgatca	agcatgacaa	gatcatgcmc	tcaagggaaa	gcgttagcac	atccattcta	600
ctcagcctgt	tgaagcata	ctctcagaca	agagaggact	cctgggctca	gcatgccgct	660
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gggtacggcc	catcttcgtc	atcttcgtct	cgtatatcgg	ctccggagtc	aatgccgagt	1320
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<210> 15500

<211> 207

<212> DNA

<213> A.fumigatus

<400> 15500

ggcttaattg	gggaaaggcc	ggaatgtgca	tatgaccacc	ttacctttac	cgagctccat	60
catgacccat	tgacacttaa	acactttcct	ccagcgggaat	cctttctagg	attcaactcc	120
actaactgcm	ccactacatt	gctttctcac	tcctggattt	ttcttccttc	ccactctatc	180
gcttccgctg	attgcctcct	gtattga				207

<210> 15501

<211> 345

<212> DNA

<213> A.fumigatus

<400> 15501

gcctcaccac	gcgcgtgccc	accagtcttg	tccccttccct	taagatgcag	gcatcattgt	60
cacagtgggg	atgaattctc	gccggatttt	ggacttcaaa	caatgggacc	tctgtctcaa	120
cctgtcaagc	tatatgcagt	aacgtcgacc	aggacccct	acaactacag	cgacaatgtc	180
ctcgtggtg	attctagggt	ctgggtgctca	agaagcaatg	tgctgtttgc	cgaaagcgac	240
tttgccagcg	gaaagacgat	ctactacttg	acaacaaaaga	catttggtgga	agttgcattc	300
tggaccgtgg	cctgcaacac	taccttgaac	ggctcattgc	tttga		345

<210> 15502

<211> 207

<212> DNA

<213> A.fumigatus

<400> 15502

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cactctattg	agtatcaatt	cgactatgct	agggtccaat	cagtgcata	acaattgggc	120
gtctcgattg	gttccaagat	agtttatcaa	tacaggaggc	aatcagcgga	agcgatagag	180
tgggaaggaa	gaaaaatcca	ggagtga				207

<210> 15503

<211> 240

<212> DNA

<213> A.fumigatus

<400> 15503

ccagctgttc	gtttgccata	caatgcattt	gcaatgctat	tggagtttgt	ocgttcgcag	60
gccgaagtca	gctgcttttt	gcagttcatg	cagttccac	aagcgatagg	gaatgcagct	120
acaacacgat	cgccggtttt	gatactcttg	acaccaggtc	ccacactttc	aactatacca	180
cagaactcat	gtccgagaac	atcgcccttt	tcaagttcgg	gaatgacgcc	tatgagatag	240

<210> 15504

<211> 366

<212> DNA

<213> A.fumigatus

<400> 15504

tgtcatcgtc	aaggtgacgg	gaagcacaat	ctgtggaagc	gatctccatt	tatatcatgg	60
tatgatttgt	gggtcccggtg	gccgcaacat	actctgggaa	agacgcgcgc	atcactaacc	120
ccctatctca	taggcgtcat	tcccgaactt	gaaaaggcgc	atgttctcgg	acatgagttc	180
tgtggtatag	ttgaaagtgt	gggacctggt	gtcaagagta	tcaaaaccgg	cgatcgtggt	240
gtagctgcac	tccctatcgc	ttgtgggaac	tgcatagaact	gcaaaaagca	gctgacttcg	300
gctgcgaac	ggacaaactc	caatagcatt	gcaaatgcat	tgtatggcaa	acgaacagct	360
ggttag						366

<210> 15505

<211> 288

<212> DNA

<213> A.fumigatus

<400> 15505

ttatggacag	gagacgggtg	ccaggatcaa	ggcgacaacc	tggcaaggaa	aaaacagcat	60
ccaagtttgt	gggttctcca	ggatcgtgcg	catgtatctt	acttctctct	gacatcgacg	120
gtcttaccga	cagtcgaaat	gcctaaaccc	aggggtgattg	acgaagctga	tgtcatcgtc	180
aaggtgacgg	gaagcacaat	ctgtggaagc	gatctccatt	tatatcatgg	tatgatttgt	240
gggtcccggtg	gccgcaacat	actctgggaa	agacgcgcgc	atcactaa		288

<210> 15506

<211> 219

<212> DNA

<213> A.fumigatus

<400> 15506

gaactcga	tgccgcctc	tcaagctgca	gggtcgtg	agaaggttat	tggacatgga	60
gacaatgcag	ctgtcacgac	tgatgtgagc	aattattcca	agaatgatta	tggacaggag	120
acgggtgcca	ggatcaaggc	gacaacctgg	caaggaaaaa	acagcatcca	agttggtggg	180
ttctccagga	tcgtgcgcac	gtatcttact	tctctctga			219

<210> 15507

<211> 414

<212> DNA

<213> A.fumigatus

<400> 15507

cattgcaa	gcattgtatg	gcaaacgaac	agctgggttag	tgaacccttg	cggagccgat	60
cgggtccca	aaacaaagta	cgactcactg	attctgcttg	ttgtaggcat	gtttggatac	120
agccatttca	ccgctggttt	tgcgggaggc	caagcggagt	atgttcgtgt	gccagaaagg	180
gacgtcaact	tgctgcagct	tccggatgat	gttccgtttg	agaagggact	ttatctatcc	240
gatgttttgg	ccacctcgta	tcaactgcgtc	actgatacaa	gagtggacaa	aggtgacgtt	300
gttgcgatct	gggggtgccg	ccccattgga	cagatgtgtg	gcaaattcag	tttcgatcaa	360

agtgccagca aagtgattct catcgaaggt ggaaaagggt gcttgaagaa ttga 414

<210> 15508

<211> 333

<212> DNA

<213> A.fumigatus

<400> 15508

gtcacactgt cctccatgat attgggaacg ccccagatta acgccgtatt gcagaccaat	60
cacttcaacg tgggtgcat gatgcagacg ggtgttcgct tgattggtaa cggccaggct	120
cccgtgcaaa agtattggaa gcatctgttg gagctcatcc ggaaagggtga aatcaatccg	180
ctggacatgg tcacgcaccg catgcgcctg gaggacatgg agaaagtcta cgcgctatct	240
gacaagcgag aggagggcac gcaaaagatc tttgtgcaaa ccagattctc cgcgcctcca	300
gccgcgggat ctccgagtc gacagtcttg taa	333

<210> 15509

<211> 396

<212> DNA

<213> A.fumigatus

<400> 15509

ggcagaaggc taggatggct tggattttgc attaatgccg cattgacagg tcactctggc	60
gaggttttca ccgtgcatg tgaccccaca gcacagcaca ttgctgtctg ctgatggat	120
cggctctatat gtgagtcgca actgaagctc agcattctac ttagtacgac tgacgcttct	180
tctaccaacg acagtactct ggaacacata tgggcaatgc gagaattatg gcgttctgac	240
tggccatcga ggggcgatcc tggatttaca atggctcgaga gattcacggc cgattttttc	300
ggcatcggcg gacatgacac tagcgagctg ggacttggaa actgggcaga gaatacgacg	360
ccacgttggg cacgaggaga taataaattg tcttga	396

<210> 15510

<211> 246

<212> DNA

<213> A.fumigatus

<400> 15510

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cagctgctag aagagctaac attcatgcaa aagccgcct cctggctgcg tcttaccatt	120
tcgagtgcgc cccttaaaac accacacaaa atattggaaa accacagttc atcttgtgct	180
cttcgctcgt ctgggagctc cacaaagtcc gcaagaggat tttcgtcgaa aatgagagaa	240
aattga	246

<210> 15511

<211> 399

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (388), (389), (393)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15511

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ttacaatggc cgagagattc acggctgatt ttttcggcat cggcggacat gacactagcg	180
agctgggact tggaaactgg gcagagaata cgacgccacg ttgggcacga ggagataata	240

aattgtcttg	acatcagcaa	acgaggccag	gagctcctgg	ttagcgcgag	cgacgacggt	300
tgcataggga	tttgggaccc	acgacagaag	catgctatcg	aatacctcga	aacagagtct	360
tcaccgcggg	gtgcgagggc	agtcagtnnc	atnccgccg			399

<210> 15512

<211> 186

<212> DNA

<213> A.fumigatus

<400> 15512

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accgtcgtcg	ctcgcgctaa	ccaggagctc	ctggcctcgt	ttgctgatgt	caagacaatt	120
tattatctcc	tcgtgcccaa	cgtggcgctc	tattctctgc	ccagtttcca	agtcccagct	180
cgctag						186

<210> 15513

<211> 312

<212> DNA

<213> A.fumigatus

<400> 15513

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accttgacgt	atggaacaat	tgttgcgcaa	ttatgccagg	attacgacag	caactatcaa	180
gaggtaaca	aacagctgga	caagatgggc	tataatattg	gtatgcgact	gattgaagat	240
tacctggcga	agtctggtat	gggccgatgc	gcgaacttcc	gagagacggc	agatatgatc	300
tcgaaggtat	ga					312

<210> 15514

<211> 312

<212> DNA

<213> A.fumigatus

<400> 15514

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aatcaatttt	ctctcatttt	cgacgaaaat	cctcttgctg	actttgtgga	gctcccagac	120
gacggaagag	cacaagatga	actgtggttt	tccaatattt	tgtgtggtgt	tttaaggggc	180
gcactcgaaa	tggttaagacg	cagccaggag	gcgggctttt	gcatgaatgt	tagctcttct	240
agcagctgga	attctgacgt	ctctcttagg	ttcaaagtca	gatcgaagcc	cactttgtca	300
gcgatgtttt	aa					312

<210> 15515

<211> 276

<212> DNA

<213> A.fumigatus

<400> 15515

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atcaaagacg	agttcagtgg	gaccgaagga	gtctacctgc	tcctcatca	ccaggaggag	120
atcaagcgcc	tgcagcgcca	acacttcttc	atcaaagccg	ccaccgagga	caagctaacc	180
tctgtcgagc	ttcctaaagg	ggccagagtg	ctcgactcgg	gctgcgcgaga	cggtgagtgg	240
aaccgcgaac	ccctgcctgc	atgttgacac	aagtga			276

<210> 15516

<211> 192

<212> DNA

<213> A.fumigatus

<400> 15516

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ctctctcact	ttcccactac	cggattcaag	atcaatcgga	ggcagctcaa	gcagatgggc	120
catgcggcag	gcccggaggt	ggccaatggc	ctgtttccct	ccgcgggtcc	aaactacgtg	180
cagtcggttt	ga					192

<210> 15517

<211> 654

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (600)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15517

gtggaacccg	caaccctcgc	ctgcatgttg	cacaaagtga	aatcgaccat	cattggtgcc	60
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acggacaggg	ccgacctgga	tctctacggc	gtggacctgg	gcatggcgct	gttccggccg	180
gaccctcgac	tgaaactgcy	cgcgcatgat	gtgcgccagc	ccttccccga	atcctggggc	240
tgggaaggaca	gtttcgacct	ggtcaccag	cggctgttgg	tctgggggat	tcgagaggac	300
gagtggccgc	gggtcctcgc	gaatctggcc	accgtcgtca	aaccggggcg	ggtcctgcag	360
ctagtggagg	cagaatgggt	cctgagctcg	tattcggacg	agcaggtgca	ccagaaaaag	420
cttgccaagg	tgcaggagtg	gtcgaccctg	tcttcgggga	tggacgtgca	catctggaag	480
aagttccccg	atctcctgct	tcccctcggc	tttgtggata	tgaagtggga	aacgttcaat	540
ctgggctacg	gggcaacgtc	gacgagaccg	gaggaccgca	tctggaccgc	cgaggctctn	600
ccccaatctt	tccggcatct	ggctcgggaag	acccctggta	tgtaccacgc	ctga	654

<210> 15518

<211> 672

<212> DNA

<213> A.fumigatus

<400> 15518

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acaaaagcca	tctactcgtc	cctcatcacc	gcccgcctct	ccccgcctc	caaccccccc	180
ttcgtaaacc	tgacgtccgt	cgcgcccctc	cgcgacatca	aacccaatc	cctgcccgatg	240
atgatctcac	tcctgacaca	gtgggagagc	cgtgcggcg	acgtcatcag	cgacatcgaa	300
gcagagatcg	ccaaggtcaa	gaccaatgcc	gogaagcgta	gggcgaaaga	acaggcgcg	360
gctgctctgc	ttgaaaaagc	gcttgccctc	gcgatggga	gtgcaaagga	cgtgacggga	420
ggcgggtccg	ggtccaggag	gcacggcgga	tcgcagcggt	ttggccagg	aggtggcaat	480
aagcgcgagt	tcaacgctga	tgactacgat	gatgaggatg	atgggtactg	ggataatggc	540
aacgatggcg	gtatcgactt	acacgcggct	ggttcgcgta	tggacattga	tgagagcacg	600
ggatcttcta	ggttcgggtt	gggcggggct	ggcgcgagac	atgcgaagcg	tatcttgggc	660
aaaaaatctt	aa					672

<210> 15519

<211> 297

<212> DNA

<213> A.fumigatus

<400> 15519

cctcacgccca	attctcactc	gtttgaatca	tctattggga	tctgtcttgt	tggttgtcta	60
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cccactctgt	ttgaggctct	cagtcgtcgc	actttggctc	ctgtcgatct	attctctttc	180
tacatataca	tgcgagacca	acagcgctca	gtcgattact	tggaattctg	gtatgcgcaa	240
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<210> 15520

<211> 663

<212> DNA

<213> A.fumigatus

<400> 15520

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gctttggata	acttgggaaca	tcttggcgat	atcccgccta	cagaagctgg	tccctcgagc	180
ttgcgcgggg	gctttcgoga	ctacgacgac	aaggacgccc	atcaaaggct	gtcggccttc	240
cttcgctctg	atggccacac	atcccagcat	tcgcccgcaga	gtagcctcgg	gtcgcagaat	300
gctgctcgcc	ttccttccaa	tgagcaaccg	cctcgctccaa	gctccggaac	acagaacgaa	360
tcgaattccc	ctggccatac	agtcacacga	cacgatattc	gcgcgtctgc	agagaagatt	420
ctctacacat	atctactgcc	tggtgctgaa	agagagattg	tgcttccgga	ggaaatggta	480
tcaacgataa	tcaatttgat	tgaggatgac	gggagagacg	atccagaagt	gtttgaccct	540
gccaaagact	atgtttttcca	aagcaatgga	ccgctacgca	taccttgggt	ttttgcagca	600
aaagccttgg	ggaaaccttg	tgccattgac	cttcatgata	cgcttagctt	tggctttgat	660
tag						663

<210> 15521

<211> 312

<212> DNA

<213> A.fumigatus

<400> 15521

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ctaattgacg	accaggtgat	tttgcccttt	attgtggctg	catatttcat	cgcttcgtac	120
cagtataaga	tcgaccgggt	aatggcgat	ctgggggtaca	gcgaatacac	gttcatgaac	180
tgggctccaa	tcgcgcgagc	ttatgttcgt	aagctcctaa	ataaacgagc	cactgcaacg	240
ttattcatcg	ctctactggg	cgctgcgcgt	ctgagcatto	tgttcatttt	cgttcccggg	300
actatgcttt	ga					312

<210> 15522

<211> 1467

<212> DNA

<213> A.fumigatus

<400> 15522

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cgattgagcg	ataaacgggt	ccccgactca	attcaatcgg	ccgtattcac	gcggcgctt	180
ggcggctttc	gagtggacca	agaccgggac	gagagatgct	ttggcccgcg	ctccctcgag	240
tcgctaatac	tcaacatcaa	ggatgagctc	cttcagagtc	ccgacaccga	caggcacacc	300
gtgaagggaat	gcgtgctgca	agcacaacgc	aagattgac	atttggttgg	ccaggggagag	360
gagattccaa	tcgggggaaa	ggcaccgccc	acgatgcctc	cctttgccat	tctggaggga	420
atgattgagc	catactttac	aaccactcat	ggctatcttc	ctatctgggt	caagaaacgg	480
ttcactgaaa	tggcgacagc	tttgcgga	tcgcgcctat	ccgaacgcga	cctggcttctg	540
atcgtctgct	gcaacaacct	catcctcatg	gccatgtccg	cggactctcc	aggatcccac	600
cagcgcgagt	caatgatgtc	caagcagacc	cgcaagacgt	catcgattga	ctttgacctc	660
attaccggct	ttttgaccaa	cgcgaaagcg	gctgtcagca	atattgacca	actggtgtcg	720

cgcacacctg	tcaatgtgca	ggcgctcgta	tctctggtag	atctccgact	gatacccact	780
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gtccaccagt	ggcacgcctt	tcaaggccga	ctgagtgcag	acgatgtcaa	cgaaagacaa	960
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caactgctcc	tcctctggcc	ccacaaacac	catcccgatc	ccatgtttca	acaggccccc	1380
gaggtcgcgc	gaatgtgttt	gaagctgctg	ttacgcctgt	ggcattcccc	acccgaccaa	1440
gggagccagg	ctgttttctc	attgtaa				1467

<210> 15523

<211> 333

<212> DNA

<213> A.fumigatus

<400> 15523

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atgaaggagt	gggccaagac	gattcccaac	gatggcattc	tccgttacta	cattgtgggg	120
aacatggaaa	ggctcacggg	aaccagtcct	gcggtcctcc	gcgagatctt	ggtgagcaag	180
gcctacgagt	tcgcaaagcc	cttgggtgatc	cagcaaacgt	tgaggcgctg	gctgggcaat	240
ggcatcctga	ttgccgaagg	cgaggagcac	aagggtgagaa	aggcacagca	gtggcctttc	300
atttggcttc	aacaggcgga	ggagatcaac	gtc			333

<210> 15524

<211> 621

<212> DNA

<213> A.fumigatus

<400> 15524

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atcctctgcg	gtcgaaggac	caatcgggac	atcgacatgc	ttcaagaatt	cgttgagatg	120
ctccagacca	tcaccgactg	ccgcgcggag	gcctcataca	atcgacggct	ataccagctg	180
tcccttatag	tcaccgacgt	ggtaaaggcc	aggaggaccc	agcacaaacg	gccgaagccg	240
accttgaag	gaccgacaga	tccgtacttg	atgtccgagc	tgtctctgcc	cgcaaccacc	300
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gttttccaag	atccagacgg	ttcgtttgcg	cccatgagtt	ccatcacctc	gacaagcggc	420
gagttggcgc	gaggctcaga	tgagtttctg	tcgcaattga	ggagctacgg	gaagtcggct	480
cccgggaacg	aacacttcga	ttctctggct	atggaagccc	tgggcgagtc	tgtcctcttt	540
tggaagggcg	tcaaccaagg	ggccagtgcg	gacagcccgt	cggtcgggtg	cgatctgggg	600
gaaagactga	actatatatg	a				621

<210> 15525

<211> 255

<212> DNA

<213> A.fumigatus

<400> 15525

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gttagtatct	ggttctgtct	cgacgcagga	agtcctttct	ggctcagcaa	ccccgtcctc	120
gtgggcttca	gaatccctgc	ctggctgcgc	tacggtatac	tcacctccaa	caaccacgcg	180
tcagacaatg	aatggacttc	ccgtttttac	gtccagctgc	cctattcctt	ttgcggcagc	240
aagcaccgct	cctga					255

<210> 15526
 <211> 2370
 <212> DNA
 <213> A.fumigatus

<400> 15526
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 tttccttgtg aatatggtga tgttgagaag gtgcggaacg ctagtgtgtg tattgataaa 180
 gccacggtc agtcgatctg gaatgtccac ttggagacgt ggaagtctga tgcggagttc 240
 tgggaaattt atgccgcaa gtacaccata ctggttagaga aagcgcgcgc ttttctacgt 300
 ctgcacaccg aacgccttct tgatagcgcg cccggcgaca ctccgccaaa agcggcaatt 360
 ttcatatccg caggattcga cgcgagttag tgggaaggtt ctggtatgca gagacaccaa 420
 gtgaatgtac cgacagagtt ctatgcgaag ttcaccgcgg atgttgtgca gatggccgag 480
 gaagaagggc taggcgtaga tgggcgtgtc atcagtgtct tggaaggggg ctatagtaat 540
 cgagcattga ccagcggcgt cctcagtcac ctgcgcgcgc tgggagacac aacgacattg 600
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 catgtatcgg acagcaacgc tccagctgaa gcactgcgca ccccatctga cattggttat 720
 gatagtcagt ggtgggcgc aacaagactc gacgagctgg aggcgcttgt ctatccacct 780
 ccttccacag cgccaaaatc aaagtctgct cgcaacctatt ttgcgccac gcaatctttt 840
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 gatgttgtac ccttgccaga ggtaggctgg gctacggcgg cacacgaact atccaaagtc 960
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 gccgagtctg gtccggccaaa tacgagctcg ttagacgttg gggcaagcga aacacccgaa 1380
 caagcaagca tagctgcagg tagctgtcct ccggagtctc ctagccgcag caggtcgagt 1440
 actccgtcac ggtccgctgc tcccaaaccg tccgagggtc ccaaggtgcc tccgtgtaccg 1500
 cgcgtgccgt ctagttttct ctcaaagcca gccagtagcg atgatcagaa agtcgtctcc 1560
 gaccaagcac aagcagaaat gacggagaag acggattcca gaccggcaga tttggacgat 1620
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 gccgtctcgc agaaacagag aaaaacgaca aaagcggcaa aagcgacaga gcaacatcaa 1740
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 gatcgggtga agcaagaaag cccggaaaat gcaccagacg atcttggtgt ctcttctcct 1980
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 ggctcagcaa ccccgctctc gtgggcttca gaatccctgc ctggtcgatc tacgggtatac 2160
 tcacctccaa caaccacgcg tcagacaatg aatggacttc ccgtttttac gtccagctgc 2220
 cctattcctt ttgcggcagc aagcaccgct cctgagggga agcaggcttt agccatgcag 2280
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<210> 15527
 <211> 954
 <212> DNA
 <213> A.fumigatus

<400> 15527
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 gcccaagaat ccttcacgca aatggccgat aaggacctag agtccatcgg ccgacactgt 120


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caattcgaat actgccacca actcgacttc ctccctttcc gctgtgaatc ctgccgcgga 180
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gcccgcgcc gcaacggaaa ccagaacacc agcaccgca gccttccac gcagaaaccc 300
acaatctaca actcagacca atgcgcccat ctcgactgca agacactcat caacacgctg 360
aaagatcccg gcggtgcgctg cccagactgt aatagacagt attgtctacg ccaccggctc 420
cggaagagc acgagtgcac gaagatcgcg ccgcttggcg ctcgggcagg cagccagggc 480
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aaaggacagg cgctggcgcc gaagcctaag gccaatagcg cagctgcgcg aatttcggag 600
ctgaatgcac tcaagaaggc agcaaagggg gatgcaggca tccccgctga caagcggctg 660
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gtggattcgg gggagttttt ggagttctcg gagacgattg gggatgggaa ggtgaagcag 900
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<210> 15528

<211> 273

<212> DNA

<213> *A.fumigatus*

<400> 15528

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gagccgctcc cgacgagaga ctttgacatc gagacgacga actaccctgc cacctacaag 180
tggagtatat gggaatttcg gagtatgcta cttgcacttt tccgtcttcc gttttctgtt 240
ttacatttta taccttggtt tggtagatgc tga 273

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<210> 15529

<211> 2178

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (1592)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15529

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gagaagacag ctgcggcaag acaaccttcc tccgccgctt cacattcggc gaaatcggag 120
agcatgagcc gctcccgacg agagactttg acatcgagac gacgaactac cctgccacct 180
acaagtggag tatatgggaa ttccggagta tgctacttgc acttttccgt cttccgtttt 240
ctgttttaca ttttatacct tggtttggtg gatgctgacc gacaagcatc agtccgatgc 300
tggcccttga tatggcgagg gcttgcgccg cacactttgg tcctgtgggt gcatgattgc 360
tctactgagg acgattggcc accatggaag tttcgtagct tgctagaaca aatgggtggag 420
agaggatgtc ggtatatctg ggttgggttg aataagcaag attctccaga cgtctcggag 480
gagtcgggtc aggaggcgcg acggaagtat gaggaggagt ttgcgaagta taaagatgac 540
ctgtcgtgga aagtactgac gcataagctg agtgcgaaga ctggggtagg ggtatctgag 600
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cagctgcaac gccgaattga gaaggaggtt actggcgaca cgatcgacct ggacgcattc 780
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tttaacattc acctcatccg actgagaaac atatccccc agctatttaa cgacagcgag 960
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caactccaac acggtatccg ggaatatcgc atgcacagca tgagctcaca tcttccatct 1080

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ttacggaaac	ttccaacaca	gacagattat	ctccgcgata	cagcgacagt	gcctaggaag	1260
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caggagtatt	attcgaagaa	attgtggaat	antgtcgtcg	cgcgatcgca	gttcgtgatg	1620
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gagctgcatg	ggatttatta	cggaccagga	gtctggacca	gcgccgatgc	agcgagagaag	2100
atcctcggtc	ccgacagacg	aaggatggag	acgatcgtca	acatggcgga	cgtgaacatg	2160
tctgcaaaca	caaaataa					2178

<210> 15530

<211> 606

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (20)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15530

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ttccccgaga	ccaagaagc	acgcagaaaa	aggaagaaga	acaaaaagaa	gaagagatta	180
tctgaagtta	ctcagactgg	cgagaatgct	caaattagtc	ttacaccgat	catggacctc	240
caacagccga	gccagagccg	ctctatcacc	gacgaggagt	ttttgccaga	catgttccat	300
cgtcttacga	ccatcactcc	actcaatggt	cctcatgcaa	atccccaccg	gcgaatccct	360
cccgtctccag	tctcattcaa	gcacaacgac	tacctgtgca	acctgtcgat	atccgaagca	420
gatgtcattg	cgatgcaact	cttcaggggc	acgtaccgac	ttgacatcag	ggagctcccc	480
caccaagaat	gtcggatgac	cctcatctgg	gactacgacc	atctgtgggg	ctgcttcgac	540
attggcgtgt	ggaagggact	gatgctcatc	gatccggggc	cgccgggataa	cacccaaacc	600
atgtag						606

<210> 15531

<211> 792

<212> DNA

<213> A.fumigatus

<400> 15531

tccttcgcgt	ggcgagggtt	ttgcgagaac	gagcccgagg	tggcatacga	caacgagggg	60
atcacagtgg	gagaaatcac	cttggggcgg	aaggggccctg	tgtctggctg	cttcaaggga	120
atgcccgttg	ccaatttccc	taacgacaag	tgcgacttca	aggccgtgcg	ggaggctcga	180
ccgcccattg	tcccgtaggc	ggttgagaca	ttcgtcgcag	actggaatta	tcttcagcat	240
gatagagcga	aggagccgga	gtcacagcgt	ctgggtgctg	ttgcgcttcc	tcctgagccg	300
gaatcgcagg	tcgtgaatga	tgagactatg	cagatggacg	gcgaggagga	ccaggaggag	360
gaaggctcagt	gccaggacga	ggtcaccacg	gacgtgcacc	catcctctcc	tgcccgtaa	420

ccagcagaga	caccacacac	ttcgccacca	ccagacgaac	ccactcagca	gtcccaacgg	480
gccccaaagca	ccattagtcg	attccacgca	accccccttg	cgatgcagcg	ctcctggggc	540
cgccacgacc	aggacaagtt	cctcgatgtc	gtctgtggca	gctacgagat	ctccagcccc	600
accatgaaac	acaactggtc	gcgcaaagcc	agcaagctga	ggatgcgtct	tcttgttgat	660
cgagggtgaga	gctgcgtctg	gggcatgttc	gccatgggcg	tctaccgagg	aatcatgctg	720
tttcaggaat	cacccatccg	atttcagaag	gatcttcacc	acggggccgg	aaggatccgc	780
gctatgcgta	ac					792

<210> 15532

<211> 312

<212> DNA

<213> A.fumigatus

<400> 15532

ggaaagtgc	gtgtgtgcaa	ctatgctata	ttagaaagac	cattacagca	agtcgctttt	60
gatattaact	acttatatca	aggtgtgtct	atattagggc	ccttgaagta	catgaaagtt	120
gttctcgcaa	ggtctgagaa	ttcagctgca	gtcaaggccg	cgagtcactc	cacctgtcat	180
atcctcttcc	cctgtgtctca	taacctgcac	gttgcttttt	tgcttcgtcc	agcatgccct	240
gtcagggtga	aaaaactgtt	gagcttttct	cctttaccca	acatctctaa	ttgcaaggag	300
ccctacttgt	ag					312

<210> 15533

<211> 459

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (136)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15533

catccagaac	gacaaggccc	agtttttctg	ggcgtaacg	accatctgtc	tcctgctcgg	60
cgacaccgtc	gaaggctgtt	tcggccagac	cctgtcctgg	gaccgccgca	gccagctcga	120
aaacgctttt	taccgntgga	tcaaccaggc	cctcccgtcg	ctccgcgccg	ccgcaccgcc	180
cgaccgcgtc	tcctcgacgc	acgagctcga	agtcaaccag	ctgctcgtcg	tctacctcgc	240
cattctgatc	atcctgcacc	gctcgccac	ccccaacagc	gtccccctcg	cggcatcgct	300
cgtcgcgcgg	tcgggcatcg	ccgggtctct	cgagactttc	caccagaagg	accaactgca	360
gtatctcggg	ccgactctcg	ccctgtacgg	gctcagcgcg	gggctatcgc	tgcttttcggc	420
gtaccgatac	gagccgctga	aggaaaccgc	cgagtatga			459

<210> 15534

<211> 1572

<212> DNA

<213> A.fumigatus

<400> 15534

ggtatcacta	atgacaaaaca	gcatgctaac	tacagcttgt	tcgtcttttag	agaacgatgg	60
ccggccccct	ggatcggagg	caattcctgg	ccccagacaa	tcgggcagtc	ccatctcgca	120
tgctctttct	cgtcgcgctc	tgctcgggcc	gcgtacggct	tcacaatata	cctgtgcacc	180
gtgtcgccga	cgctccttc	gccggccaga	acccaccgac	gagccacctc	ggccgccacc	240
gcatccccat	cgcgctcggc	atccagcgcc	agcaaggccc	ccatcagaat	ccacgccagg	300
gtgaacatga	ctcgccgacc	atccgcgaga	accagcgcca	cctcccgggc	cgccttgccc	360
ttgaacgcgg	tccaggccat	ccccagtgcg	tcgcccaccc	tctccccccg	gatcatgccc	420
aacaccgcgt	ccaccacgc	agcaaacacc	gcgaagttct	ccctcgccag	cagaaaccgg	480
accatctcac	tcgccagcac	attcgtcgtc	ccctcccaga	tgctattgac	cgcgggtattt	540

cgcagcagcc	gcgagacatt	gaactcgggc	tcgtccgggt	catccatata	cccgaccctt	600
cccacgcct	cctggcactc	ctggatcccc	acaatcgcca	tcttgctgat	caccgccttg	660
gacacagccg	tcaacgcccg	gaagaccacg	gtcgcgtcag	ccccgttggg	cacatgcgcc	720
ggcacggctg	ctccagggtc	cccgggggtt	tcaaccacac	ccatcacggc	caccgtgaag	780
aaacccagct	gcatcgccgc	ccgctgcgcg	acctccacct	ccgccagcaa	gcgtagatgc	840
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atgctcagcg	cccggcgcca	cgcacccagc	gagccgatga	aggtgtgcgt	gcgggtcacg	960
ttcagcagcg	gcgcgatcgt	cgcgacgccc	ttgtcgcgcg	gcccgcagag	gtgcgcgcgc	1020
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cggatggatgc	ggaccccggt	ggtgacttcg	cgggggggctt	ggttggggcc	ggtgatggtg	1140
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gcgcgttcgg	tcacccattg	gcctgaggtc	caaaagtctt	cgttgccggga	ggtgagacgg	1440
ttgaagacga	cccggaaagg	atggtcttcc	gggaaggcgt	gttgctggag	ttgctgggag	1500
aggatcagtg	cggcgccgtc	ggtcatggcg	acggggcagg	aggtcagccc	tgacgaaggc	1560
ccgtacagat	aa					1572

<210> 15535

<211> 1014

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (20), (70), (339)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15535

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gcccgaan	ggaaaaaccc	gggcaacgga	ctgaccggca	tagttccggc	gaaaacatca	120
ttttccgggg	gggaccggcc	gccccgcgga	caatcaacct	ccgggacagg	gacgtcttcc	180
ccgcccgggt	gggacgactt	tgacatccag	aacgacaagg	cccagttttt	cgtggcgtag	240
acgaccatct	gtctcctgct	cggcgacacc	gtcgaaggct	gtttccgcca	gacctgtcc	300
tgggaccgcc	gcagccagct	cgaaaacgct	ttttaccgnt	ggatcaacca	ggccctccc	360
tcgctccgcg	ccgcccgcac	gcccgaaccc	ctctcctcga	cgcacgagct	cgaagtcaac	420
cagctgctcg	tcgtctacct	gcgcattctg	atcctcctgc	accgctcgcc	cacccccaac	480
agcgtccctt	cggcgccatc	gctcgtcgcc	gcgtccggca	tcgcccgtct	cttcgagact	540
ttccaccaga	aggaccaact	gcagtatctc	ggtccgatct	tcgcccgtga	cgggctcagc	600
gcgggggctat	cgctgctttc	ggcgtaccga	tacgagccgc	tgaaggaaac	cgccgagtat	660
gagctgtcca	cgatcaagct	ctgtctgcag	acgctgtcga	agcgtggcg	ctcgccgggtg	720
ggcccgatcc	gggcgttgga	ccggctgacg	gagcaggtgc	ggcggcagcc	cttgttttag	780
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ctgtgtcggc	agtggggggt	gatccagggg	gagaggatgg	ttgctcgtcc	ggtctcgact	900
ctggagacgg	caaagcacga	cgtgatgccg	tttgacgggt	atatggacat	cttggaccag	960
aactgggagg	ggtctgggtt	tgactggagc	gggtcctggt	tgttggatat	ttga	1014

<210> 15536

<211> 279

<212> DNA

<213> A.fumigatus

<400> 15536

gaaatacaaa	ctgctgacgt	ccaagggtag	cttccatcat	cgacctatca	atccattcag	60
tccaacctca	cgcagctcgg	cgagggaagg	atctcgcttc	aaatccgcga	atggagcgcc	120

gacgccgagc	gccaccagcc	gtacgtcaag	ggatataacg	tctggggcca	gcgatacgac	180
tatgaccggt	tggtcacgag	cgagggctgg	aagcagctga	gccgatgggg	agctcgacat	240
gggtactggc	gctgtgtctt	gtcttacgtg	caggactaa			279

<210> 15537

<211> 897

<212> DNA

<213> A.fumigatus

<400> 15537

cgaaagcagg	gtggtggcat	taggctacga	tccgagctac	ggcgccctccc	gccgtctcgt	60
ccaatatacc	gtcaattatc	tgtacggggc	tccgtcaggg	ctgacctcct	gccccgtcgc	120
catgaccgac	ggcgccgcac	tgatcctctc	ccagcaactc	cagcaacacg	ccttcccgga	180
agaccatcct	ttccgggtcg	tcttcaaccg	tctcacctcc	cgcaacgaag	acttttggac	240
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ggccacccac	gacctgtgcc	cggcctcctc	cacagccagc	aacaacaata	tcaccaacaa	360
caacccgctc	ggcacctcgc	gagaaggcga	gtacagcatc	agcggcttca	aattcttctc	420
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caccgcccag	ctggagctgc	gggatatgcg	cgcgcacctc	gtcgggcccgc	gcgacaaggg	660
cgctcgcgac	atcgcgcgcg	tgctgaacgt	gaccgcgcacg	cacaccttca	tcggtcgcgt	720
gggtgcgtgg	cgccggggcg	tgagcatcgc	ccgggcgttc	tcccgcgcg	gcagcacggt	780
cggcgagccg	ctgtggttga	ttccgatgca	tctacgcttg	ctggcgaggg	tggaggtgcg	840
gcagcggggc	gcgatgcagc	tggggttctt	cacggtggcc	gtgatgggtg	tggttga	897

<210> 15538

<211> 1110

<212> DNA

<213> A.fumigatus

<400> 15538

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ggtgttgggc	atgatccggg	gggagagggt	ggcgcacgca	ctggggatgg	cctggacggc	120
gttcaagggc	aaggcggccc	gggaggtggc	gtcggttctg	gcggatggtc	ggcgagtcac	180
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ggatgcgggtg	gcggccgagg	tggctcgtcg	gtgggttctg	gccggcgaag	gaggcgctcg	300
cgacacgggtg	cacagggata	ttgtgaagcc	gtacgcggcc	gaggcagacg	cggacgagaa	360
agagcatgcg	agatgggact	gccgatttgt	ctggggccag	gaattgcctc	cgatccaggg	420
ggccggccat	cgttctctaa	agacgaacaa	gctgtagtta	gcatgctgtt	tgtcattagt	480
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atatacccg	caaacggcat	cacgtcgtgc	tttgccgtct	ccagagtcga	gaccggacga	660
gcaaccatcc	tctccccctg	gatcaccccc	cactgccgac	acaggcgctc	gtcaatccca	720
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gcgaagatcg	gaccgagata	ctgcagttgg	tccttctggg	ggaaagtctc	gaagagaccg	1020
gcgatgccgg	acgcggcgac	gagcgatgcc	gcccagggga	cgctgttggg	ggtgggcgag	1080
cgggtgcagga	tgatcagaat	ggcgaggtag				1110

<210> 15539

<211> 1677

<212> DNA

<213> A.fumigatus

<400> 15539

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gccgatgggg agctcgacat gggactgggc gctgtgtctt gtcttacgtg caggactaac 60
gaaagcaggg tgggtggcatt aggtctacgat ccgagctacg gcgcctcccc cgtctcgtc 120
caatataccg tcaattatct gtacggggcct tcgtcagggc tgacctctg ccccgtcgc 180
atgaccgacg gcgcgcgact gatcctctcc cagcaactcc agcaacacgc cttcccggaa 240
gaccatcctt tccgggtcgt cttcaaccgt ctacactccc gcaacgaaga cttttggacc 300
tcaggccaat ggatgaccga acgcgcgggc ggacgcgacg tccaaaacac cgaaacgtgg 360
gccaccacg accctgtccc ggctctctcc acagccagca acaacaatat caccaacaac 420
aaccgcctcg gcacctcgg agaaggcgag tacagcatca gcggcttcaa attcttctcc 480
tcgcgaaccg acgccaacgt caccctctct ctgcgaaga cgcctccctc gggaaaactc 540
agcaccttcc tcgcgcctcc cgggcgcacc atcaccggcc ccaaccaagc cccccgcgaa 600
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gtcgcgacga tcgcgcgcgt gctgaacgtg accgcacgc acaccttcat cggctcgtcg 780
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cagcgggcgg cgatgcagct ggggttcttc acggtggccg tgatgggtgt ggttgagaac 960
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atccaggagt gccaggaggc gatgggaggg gtcgggtata tggatgagcc ggacgagccc 1140
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acgaatgtgc tggcgagtga gatggtccg tttctgctgg cgagggagaa cttcgcgggtg 1260
tttgctgcgt ggggtggagc ggtgttgggc atgatccggg gggagagggg ggcgcacgca 1320
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gccggcgaag gaggcgtcgg cgacacgggt cacagggata ttgtgaagcc gtacgcggcc 1560
gaggcagacg cggacgagaa agagcatgcg agatgggact gccggattgt ctggggccag 1620
gaattgcctc cgatccaggg ggccggccat cgttctctaa agacgaacaa gctgtag 1677

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<210> 15540

<211> 342

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (5), (274), (324)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15540

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gggccttgtc gttctggatg tcaaagtcgt cccaccggg cggggaagac gtccctgtcc 180
cggaggttga ttgtccgcgg ggccggcggg ccccccgga aatgatgtt ttcgccgga 240
ctatgccggc cagtccgttg cccgggtttt tccnttttcg ggcggatggg aatctgtttc 300
catacaaacc aattgcccc aanaaaacc tcctggcgca ac 342

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<210> 15541

<211> 759

<212> DNA

<213> A.fumigatus

<400> 15541

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agaccagtgg cttttgattt ccgcattcgg ccgtggagcc agagccgcgg tatgacgaca 60

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caagtcaggc	cacaaggaga	actcagatca	tacaacgcaa	atttgctgtc	taatggetca	120
ctgatcaact	cttgccctca	cagaatcacc	ccaaccggat	acaaaatgtc	cggtecttcg	180
tcacgagcga	cgtctctgtt	ctcctcatac	ccatccaccc	cggteccctag	tatggctctc	240
cgcgaccccg	attccctcga	tgcttggtat	ctggggagcg	ggattgcctc	gttaaccgcg	300
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ctgagcgagc	caggcgcggg	atcagtgagt	aagggcgacg	cagagtcggg	ctaccacttt	420
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atcggacgac	ggagactcca	tctgggggtc	aaggatcgga	tggatctgtt	ccggctgtcg	660
tccagggcgg	aggatgggct	gggcccgtcc	cgcattcaag	accatttctc	cgaggggttc	720
tccagggcgg	agtactggct	ggtgccgtcg	acgctgtag			759

<210> 15542

<211> 1083

<212> DNA

<213> A.fumigatus

<400> 15542

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cgtttcaacc	tgcatgagtc	tggttgccgc	ccggtggcgc	gcttccctaca	ggcacagggg	180
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ggcccgcaag	atatcataat	tggtttctttg	ggatctgtct	tgtccggtgc	ttcctacggg	360
tcaaacacaa	agccgccctc	gctagagatg	atggagatcg	agaaagacct	cgacgacaac	420
tggtctgctg	ggctggagct	ggcaagcaag	catcccaaat	tcggcaacgc	atacaacttt	480
tgtacgcgac	tgccggagtc	ccgggtggca	tactttaccg	tcaccgccaa	gaatcccgtc	540
gtgttcgaga	agatgctcgc	gatcatcgcc	gatgaccctg	caacgggctc	gttagtcaact	600
ctgagagata	gcagctggct	gatcacgttg	aatatgcccc	ggcaaccgct	gttcccggat	660
caaccggacg	gagtgcgagt	cttctggggc	tatgctcttg	agccagagaa	ccacggggat	720
ttcgtcaaga	aacagatgct	ctcctgtcca	ggcgaggaaa	tgctgacgga	ggttctgcat	780
cagctggatc	tcccgtcga	cgaaatcctg	cctcagacca	tcaccgtgcc	atgtgtgatg	840
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cccggaatgt	ccaacatggg	cctcatcggg	cagtttgctg	atatccccga	cgagatgggtc	960
accatggact	atatggtgcg	aggagcgcag	atggcggtgc	accagctgat	ggggctggag	1020
tgggagatga	agaagtcgaa	gaagggatct	acggtgagtt	tgctgggggtt	tccgaaggac	1080
tag						1083

<210> 15543

<211> 429

<212> DNA

<213> A.fumigatus

<400> 15543

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toggagaagg	cgagtacagc	atcagcggct	tcaaattctt	ctcctccgca	accgacgcca	180
acgtcaccct	cctcctcgcc	aagaccgccc	cctcgggaaa	actcagcacc	ttcctcgccg	240
ccctccggcg	caccatcacc	ggcccccaac	aagccccccg	cgaagtcacc	aacgggggtcc	300
gcatccaccg	cctcaagaac	aagctcggga	ccaaggatct	ccccaccgcc	gagctggagc	360
tgccgggat	gcgcgcgcac	ctcgtcgggc	cgccgcgaca	gggcgtcgcg	acgatcgccg	420
cgtctgctga						429

<210> 15544

<211> 1722

<212> DNA

<213> A.fumigatus

<400> 15544

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gtttactacc	tttatgacag	ctcgcgacac	gcgacgacag	atcctgcctt	cggctcgttg	120
tacaagggtg	ccatgactca	gtacacgcag	aaagccttca	aattggacaa	ggaagacccc	180
atgacatgtg	cactcttttg	cagctacttc	ctattgagaa	aatcctactc	caccgttgag	240
acactggcgc	ggaaagctat	cgagcatact	gatgtaatgg	cgattgccag	tgacggctgg	300
tatctectgg	gacgcaaagc	tactacgaa	ggtgaccttg	cccgcgctgc	ggagtactac	360
agccgcgcgc	atcaagcgcg	cgggtggcggc	gacaaaggat	atcttctctg	aaagttcggg	420
acggtgcaga	tgcaggtgtc	caacccaaaac	tacgacgacg	ccaaattccg	gttggaagg	480
atcattcagc	aaaccaagaa	ccccgaatgt	atgattttac	ttggggctct	tcatgccgag	540
gaggtctttg	ctgcccaggc	cagcggtagc	aaagaggaca	agtcggcgga	agctaagaag	600
gccatcagcc	tgctggaatc	ggtccgtagc	ctgtggaagg	acgaagccaa	gaaggtctct	660
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cctcaacttc	tcaataatat	gggctgcttt	atgtaccagg	ctgacaagggt	ggaacaggcg	900
agaacgttat	tccaggcagc	tttgaatgcc	tgcgttcgat	cacaggagaa	ggaggcgcag	960
cttgacacag	atgcccttgt	aacgaccatt	agttacaatc	tgggtcgtgc	atacgaagcc	1020
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gagcagcggc	attacaaaca	tacctgcag	tactttgaca	agcatgaccg	ctactctttg	1320
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gataaggaga	aacgcccgcaa	gatgtacgag	agggccgtcg	aattcttcga	caaagcgttg	1440
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aggaaagacc	acgcgcgtgc	cgtgcacatc	ttctccaaag	tgcgagatac	actaaggggac	1560
cccagcgttt	acctgaatct	gggtcatgtc	tatgccgaac	tccgacaata	ctctcggctg	1620
attgagcact	acgaggcagc	gctgtcgaag	gatcgtgctc	gcgatgcgca	gattctggct	1680
tgcttcggac	gagtggtggc	gctcaagggc	aagcaagaat	ga		1722

<210> 15545

<211> 807

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (38)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15545

aacttgctcc	ctatgaagac	ggcactggat	tatgccanac	gggcccacgc	cgttgcaccc	60
acacaggtcc	atcttgagtt	caatggtgcc	ttcgtgcaaa	accagattgc	atcgctggcg	120
tacagcttac	cagagacgca	gaaaacgggtg	caggacgttg	aggaagccgc	cgaggggctt	180
caccaagcta	tcgagacctt	cggacgcatt	gccaaggtga	agaacccgcc	gtatcctgcc	240
ggagcgctgg	agcagcgcg	caacatgggc	aagacgatca	tcaaacagtt	ggaacgtgcg	300
ctgcaaagcc	agaaggaata	cgaggagaag	aacgcggcga	agctgcagca	ggcgcgcgag	360
gctcgagagg	cggagatccg	caagcgggag	gaagaggtgc	ggaaggcaca	ggaagccgag	420
caggaacgga	agaagaagct	tggggaggaa	cgacagcgga	tgattgagga	agcccagcga	480
ctggctgagc	aacgggcaga	agaggagagg	gcgcgtgagg	aggcgggagat	gacggtcgat	540
tcagcgactg	gcgacaaagt	gagggcgatg	aagaagacat	ccgtcgaagc	gcaagaagaa	600
gaggcggaag	acgatattcat	tagtgacggg	gagacatctc	gccggacagt	cagcggggag	660

cctggcatcg	aaggtgaggc	ggcaccgaag	aagcccaaac	ggctggaacg	tcggtccggc	720
ggcaaggcgc	atagcaagta	caaaagcatt	gagattgtgg	aagatcctga	cgttggagat	780
gacgtgcact	acgtgctgc	cgggtga				807

<210> 15546

<211> 813

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (63), (71), (82), (157), (222)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15546

cattgggtgga	aaagcctcaa	gggttccaag	agacccgagc	ggggcttcaa	agcaggaat	60
tcnaaagcag	ntctttcggt	cntgggttact	tgcaacatgg	ttcaattgct	gctgtatcat	120
tattttttacg	accaggttga	tcggtctccg	ctttatntca	taaacaagga	ctattattat	180
agtaacatgg	ctctgacgaa	acaatcattt	ggcttgggtta	tnacagccct	gacagaatgg	240
ggctgtccaa	catatgtacg	cgtcagtggt	gacgaaagtg	tgcgaggtca	gattcacctg	300
tgtaaggatg	gacgactcaa	gaaccagttt	cccagcgctc	tagtcttgat	tgccaaccac	360
caggttttaca	ccgactggat	ctatctttgg	tggatcgctt	acacgaacca	aatgcatggc	420
cgcactcttta	tcattctcaa	ggaatccctc	aagtatatcc	caatcattgg	gcaggggatg	480
acattctacg	gtttcatttt	catggctcgt	aaatggctgt	ccgacaaacc	tcgcctacaa	540
catcgtttgg	aaaaactcaa	gacccaaacg	tctgggtccg	aatccgaatc	cccgaatat	600
gaccccatgt	ggctcctgat	tttcccagaa	ggcaccaacc	tgtcgccaaa	tacgaaacga	660
aggagcgatg	aatacggccg	gaagcagggg	ctaccgcctc	tgaaacatga	gcttcttcct	720
cggctcgaccg	gtctactatt	ctgcctacag	cagctgaaag	gaactgtcga	ttgggtatat	780
gactgcagcg	ttgcgtacga	agggccgccc	tga			813

<210> 15547

<211> 417

<212> DNA

<213> A.fumigatus

<400> 15547

catcttctctt	ttaccaactg	taggaaaggc	agttaccccg	acaagtactt	tactctccga	60
tcacacatct	tacaggggaag	gcctccgacc	tcggtcaaca	tgtactggag	acgattcgct	120
atgtccgata	ttcttttggg	tgacccaaaag	gaattcgata	gctggctcag	agcgcgctgg	180
acggaaaagg	acgagctact	tgacgaattt	tttgaaaactg	ggaggttccc	aactgcccta	240
gctggcagta	ttgacgctgg	gaatgtgtcc	gatgtacaga	tagaggctgc	ctctaagggc	300
tttgtagaaa	ctcatgtccg	gctacatcac	tggacggagc	ttgggaggat	tttcatggta	360
ctaacaggca	tggcggtgct	ttgcagattg	cccaaggttt	ttgggctatg	ggactag	417

<210> 15548

<211> 888

<212> DNA

<213> A.fumigatus

<400> 15548

aaaagcatca	tgacgtcggt	agaaaacggg	tacgtcaatg	gcaattcatt	cccaagcgcc	60
agctctcagg	tcaatcttcg	cttttctgac	ataccctctg	cgattgatat	tcccgcgtcg	120
acccttgaca	gcgaagtcga	agtcagtttg	gaaggcttac	cggacgaccc	tacagagctg	180
tgtacccttc	tggagaacga	gaaagccgcg	aagaatttct	gggtgattat	cgcgctggcg	240
tatgccaaagc	agaagcagct	tgatcatgcg	atcgacatcc	tcaataaagg	cctggcttcg	300
gtcgggtcacg	gggcccga	agagaaaactg	ggctctgttg	gctgggtctg	ttggctgttg	360

atgctgaaga	gccgacaggc	gcctcgagtt	gcttcggaag	gggaactgta	tacagaagcc	420
aagaccaaag	actattacct	ccagctcgcg	acatcgacgc	tgaatgaggg	gtcgcgactg	480
aacctgctt	tccctccttt	gttcctcgcc	cgaggcggtc	tgtgcctttt	gcgggcatcc	540
ttgcaccac	caagaccggt	ccgaccagga	tcagttgata	catctgagag	agtggagtgc	600
ctgcgacagg	cgctcaagtg	cttcgaagaa	tcgtcaaagg	cgtttggagg	tcggaatgtg	660
atggcgatcc	tgggacgttc	cagagcgcaa	tacttgctgg	gcaggatatgc	ggaggcgcta	720
gaggggtatc	agaaggttct	gatgaaaatg	cctggtctga	cagatcctga	tcctcgaatc	780
ggtatcggat	gctgcttatg	gcaattgggc	ttcaaggatc	aggcaaagg	tgcttgggag	840
cgagcgctgg	cagtgggtgag	ttatgcaagg	ttattggggg	tttcatag		888

<210> 15549

<211> 609

<212> DNA

<213> A.fumigatus

<400> 15549

tgcacgtcat	ctccaacgtc	aggatcttcc	acaatctcaa	tgtttttgta	cttgctatgc	60
gccttgccgc	cggaccgacg	ttccagccgt	ttgggtcttct	tcgggtgccgc	ctcaccttcg	120
atgccaggct	ccccgctgac	tgtccggcga	gatgtctccc	cgctactaat	gaaatcgtct	180
tccgcctctt	cttcttgccg	ttcgacggat	gtcttcttca	tcgcctcac	tttgtcgcca	240
gtcgtgaat	cgaccgtcat	ctccgcctcc	tcacgcgccc	tctcctcttc	tgcccgttgc	300
tcagccagtc	gctgggcttc	ctcaatcatc	cgctgtcggt	cctccgcaag	cttcttcttc	360
cgttctctgt	cggcttctctg	tgccttccgc	acctcttctt	cccgtttggt	gatctccgcc	420
tctcgagcct	cgcgcgcctg	ctgcagcttc	gccgcgttct	tctcctcgta	ttccttctgg	480
ctttgcagcg	cacgttccaa	ctgtttgatg	atcgtcttgc	ccatgttggc	gcgctgctcc	540
agcgtctcgg	caggatacgg	cgggttcttc	accttggcaa	tgcgtccgaa	ggtctcgata	600
gcttggtga						609

<210> 15550

<211> 348

<212> DNA

<213> A.fumigatus

<400> 15550

tcacggaact	cttctggaac	tcacggcggc	ccttcgtacg	caacgctgca	gtcatatacc	60
caatcgacag	ttcctttcag	ctgctgtagg	cagaatagta	gaccggtcga	ccgaggaaga	120
agctcatgtt	tcagaggcgg	tagcccttgc	ttccggccgt	attcatcgct	ccttcgtttc	180
gtatttggcg	acaggttggg	gccttctggg	aaaatcagga	gccacatggg	gtcatattgc	240
ggggattcgg	attcggaacc	agacgtttgg	gtcttgagtt	tttccaaacg	atgttgtagg	300
cgaggtttgt	cggacagcca	tttacgagcc	atgaaaatga	aaccgtag		348

<210> 15551

<211> 354

<212> DNA

<213> A.fumigatus

<400> 15551

aagatcatcc	tcgctcatct	gctcaggcaa	ccatttccgt	actggactgt	ccagctcacg	60
ccgcttatcg	gcggtgcaat	tcttgcaaat	ctgccccact	tgggtcttcc	tgcagtgagt	120
gcatgggtag	agcttctgta	cctgagggcc	tatctgttgt	ttgccttcgt	cgcctacatg	180
cattgggcgt	tcttggtgat	caatcggatt	acgactttcc	tgggtattaa	ctgcctgacc	240
atcaaaaagg	atcgctcgat	ggctagggaa	caggcctatc	gcaatttcgg	agagagcctt	300
ctagagggtcc	ccgatgctac	ggacccccctc	aaaggcgggc	tcaaacacca	ttga	354

<210> 15552

<211> 264

<212> DNA

<213> A.fumigatus

<400> 15552

tcccgccttc	gtatcattct	ctggctcgatg	ataagcgatc	ttattagttc	catcctatgg	60
agcgccaagc	aggcactccg	catgattgat	cggcttcgaa	ttcaggccct	tgcttatgat	120
actaagggct	tgtatatgag	cggttggttt	ccattacggt	ctggttgtaac	tacactttgt	180
ttcgccaact	ggggatatat	cctcagctcc	atgacgagtg	actttacgag	tttggttatg	240
gcctatgcga	cgcccataaa	ctga				264

<210> 15553

<211> 669

<212> DNA

<213> A.fumigatus

<400> 15553

agacctggcg	aagaagatgg	ccggtatcat	cggacagact	ctcgatcgtc	ttcagcctac	60
ctgcaagagg	attgccgagg	taagttgacg	ctccaccctg	atggttatccg	agataacttg	120
ctaactggtc	tgtcacagct	gctcgagaaa	gccgatcgca	caccacgcga	cgaactggac	180
gaagagaagc	tcgtcaagga	agtcogaccc	ctgatcgaa	agggcgggca	ggtcctccag	240
gaatgcaacg	gagccatccg	tgctttggat	cccgatggct	caattgcttc	gactgccaa	300
gctcgcgctg	catccacga	agcatctcct	gaggagtacg	ctctcgctga	gaagatcaag	360
gagctgagtg	agctggtgat	gaccacgatt	gagaacggcc	gcaagaggat	cgcagacatg	420
cctcatgcca	agaagaaaat	caaccctctg	tgggccctgc	tcagcgatcc	tctcttccag	480
atcatcgcg	ctgttggtct	gcttcttagc	gggtgtgttg	gccttgctcg	tcgtctcctc	540
gacacccttg	gattgggtcc	tcttctgaat	gggtctgctg	gtggactcgg	tctcgataag	600
ctccttggtg	gattgggact	gtcgtctctg	acggattctt	tggggataac	tggaagcaag	660
aaggactaa						669

<210> 15554

<211> 2049

<212> DNA

<213> A.fumigatus

<400> 15554

gccgacgacg	ctgtagaaca	agccaaggac	aaggccgaag	agacgacgga	acaggcaaag	60
aaaactgtga	ctgatcttgc	cgacctcgac	ggccttcctg	tgtctgaagg	cggagtcac	120
aaagacaagt	ccggccaagt	cgctcggaag	attgccgagg	gtgatgcgga	ggacctcggt	180
ggctacactc	tgaacaatga	agggcagggtc	ctggatgagg	atggcgatcc	tatcgggcgc	240
gcggaatcgc	tctcccaaca	agccaaggac	gccacagatg	ggttcgacga	caccgagaag	300
ttggccctcg	aagatcagag	cacccaagag	gacgtcgcaa	agcaagcagt	tgagagcgct	360
cagcagcaag	acgtggatga	cacagcagag	aaggccgagt	ccgcagctga	cgacaccaag	420
gaagaggccg	aggaacagct	gccaccactt	tctctgcttg	aaggcatgaa	gtgcactaaa	480
tcaggcaaga	tcgtcgatcc	ggacactggc	aagcccatcg	gtgagcttgt	cgaaggcgat	540
gcaaagga	tctcccgcat	gagtgcctca	ttggacgaca	agggccagtt	ctgggacaa	600
cgtggtaacg	ttatcgga	ggcaaaaatcc	cttcctgttg	aggattacga	gggcgagcca	660
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gaatcaccgc	acgagccaga	gccggagaag	cctgaccttt	ctcagctgaa	cggcttgaag	900
cctaacaagc	tgggatttgt	tattgggtcca	gacggcgctg	ccattgcccg	cgtggtagag	960
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gtgtttgccc	gtcttgacaa	ccttgctcgt	aataagggaag	gcttcgctga	ggatgatgaa	1140
ggcaatattg	tcggcaaagt	gaccgagggc	gacccaaga	agctccgggg	ccgcgcgctc	1200
gatgaagatg	gagacatcat	cgacaagtac	ggcaacgtta	aagggcacgc	cgagccttac	1260

gagccagaag	aggaggagga	agagaagccg	gatctttccg	tcttgaggag	aaagatcgtc	1320
aacaaggctg	gcaacgtcgt	tgacgcccag	ggcaacatct	acggacgtat	cgtttccgga	1380
gatggtaagc	gcctcgctgg	cagaaagggtg	gacggccagg	gtcaaactctg	gggtgacaat	1440
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cagttctacg	gattcgacaa	tgtggaagtt	ggcaaagatg	gctttgtcat	ggccggcggc	1560
cgtatcatcg	gccgtgtcat	cgaaggcga	gccaaacgac	tccttggtcg	taaggtcgac	1620
gaagacggag	acattctcga	caagaatggc	aacatcatcg	gcaaggctga	acgctgggag	1680
ccagaggaga	agaagcgtga	tgtcaacccc	atgtctggcc	gaaagggtcaa	caaagagggc	1740
gagatccgtg	atgtcgacgg	taatctcatt	ggcaaattga	caacgggcaa	tctgccaacg	1800
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caagaggagt	cggaggccca	gaagaaggcc	gagcaagata	gagacctggc	gaagaagatg	1980
gccggtatca	tcggacagac	tctcgatcgt	cttcagccta	cctgcaagag	gattgccgag	2040
gtaagttga						2049

<210> 15555

<211> 618

<212> DNA

<213> A.fumigatus

<400> 15555

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acaagtacgg	caacgttaaa	gggcatgccg	agccttacga	gccagaagag	gaggaggaag	120
agaagccgga	tctttccgtc	ttggagggaa	agatcgtcaa	caaggctggc	aacgtcgttg	180
acgcccagg	caacatctac	ggacgtatcg	tttccggaga	tggttaagcgc	ctcgctggca	240
gaaagggtga	cggccagggt	caaactctgg	gtgacaatgg	aaatgtcatt	ggcagagcag	300
agatcgtccc	gggtgcagag	caggagaagc	ccgaaggaca	gttctacgga	ttcgacaatg	360
tggaagtgg	caaagatggc	tttgtcatgg	ccggcggccg	tatcatcggc	cgtgtcatcg	420
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agaatggcaa	catcatcggc	aaggctgaac	gctgggagcc	agaggagaag	aagcgtgatg	540
tcaaccccat	gtctggccga	aaggctcaaca	aagagggcga	gatccgtgat	gctgacggta	600
atctcattgg	caaattga					618

<210> 15556

<211> 300

<212> DNA

<213> A.fumigatus

<400> 15556

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atccaacttc	gcgagtgcag	catcttacgg	gtgaatccca	acaacagcag	tgctatctac	180
tggaactaact	acgacggcca	aaagtctggc	agccacatgt	ttgaagtttt	gataggtttt	240
acctgtccta	atccccttgc	acacttttcat	tacgacgtga	agaacattgg	catgaagtaa	300

<210> 15557

<211> 426

<212> DNA

<213> A.fumigatus

<400> 15557

acgtgggggt	ggatgatgga	gacaatgatt	actgacagcg	agagtgggat	ggcaatctta	60
catcgatact	ccgtacatca	agaatggag	aatgatgcct	cgtttgacct	gattgatatg	120
gcgaagaaat	acggagtgc	atatctcgg	acggcgtggg	gagatttcga	ccaagcgcgtg	180
tctccgctgc	gttattatcc	cacgtgtact	ccgtatgtct	cgagcttggg	accaagttgt	240
catttcgccg	ctgataagac	taccaccaag	ttttccaagt	tttttgctgc	tctagagtgc	300

gatgtgttcg	atggtttctcc	gttcacttac	gaaggagtcc	actccaagag	accaagctgt	360
gtgtcgggtta	attccaacag	cagtgatgat	gacggaaaca	agtatttcgt	aaccttatcc	420
tattag						426

<210> 15558

<211> 207

<212> DNA

<213> A.fumigatus

<400> 15558

aagacttggc	tcagctcgcc	aatctccggc	ccgaagcggc	acgactgggt	cctcgaagga	60
gaccaaagtc	atgagaagca	ggatacacgt	cccttcggga	atggacaatg	gatctacctc	120
cgcgatggat	ccaacttaac	ggatctgttg	aatgcggagc	tttcggtgaa	cattgcaaag	180
gatgtctaca	gtgaatttga	gaaataa				207

<210> 15559

<211> 1512

<212> DNA

<213> A.fumigatus

<400> 15559

aacttggacc	ttccaccgct	ggtgaagact	cctaaacgca	ccaagctgga	agatgaaggc	60
tcagctgagg	tcaagcttcc	tgatctgcca	acacctgtga	ccgaaacacc	tgcccgcacc	120
actgtgaatg	gagaggcgac	catgactaaa	gttcaacata	aattcgtact	caaaggtatt	180
cagagtttga	agcgcatgaa	tgatgctcgc	ttctaccgcg	aacctgttga	cccgatcaag	240
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cgcaaattga	agaataatga	gtacaagact	gctcaggccg	tcgtggatga	tttcaatctg	360
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aagctcaaag	gcacattcga	gaagcaaagc	atgaacctac	ccaaggctga	tgaggttgaa	480
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gaacaccaga	gcgttagctc	ttcctccgaa	gaaagcgaag	aagaggaaga	cgagagcgac	1140
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<210> 15560

<211> 366

<212> DNA

<213> A.fumigatus

<400> 15560

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gccccgcatg	tcatagaaga	ggaggatatg	accgctttcta	ctgcagcaaa	tatggctgct	180
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ctcgagagca	acctctctcg	tttccagggc	ggtggcgggc	gttcccccca	tcctcttccg	300
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<210> 15561

<211> 255

<212> DNA

<213> A.fumigatus

<400> 15561

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acctcgaagg	cctcaatccc	cattgtccgg	gaacatgaga	tcgatatcat	cgatgatgag	180
gtccagaatg	ccctacaaca	ggtggaaact	ggtgtcgaga	aggctgagga	gtcgggtcagt	240
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<210> 15562

<211> 1689

<212> DNA

<213> A.fumigatus

<400> 15562

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ccgtcgaaca	ggataacaga	ggatcagttc	gaggagggtga	tgtacttctt	cgaggagacg	300
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atgcaagact	cgatggatgc	aactgtagag	gagagcgctca	agtgttttgc	aaaggacata	420
tatgagcact	ggaagtgtcg	aaggattgct	actgggaacc	gccactcct	accgagtctc	480
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gcgcaagcac	aggctcaagc	gcagaaacgg	ttgcaggccg	aacaaaccac	aaccaataac	1620
gggcccccca	acatggggca	cacaatggga	tcgaaccccc	ggcctgggtg	cgtcgcctcc	1680
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<210> 15563

<211> 501

<212> DNA

<213> A.fumigatus

<400> 15563

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acactctcct	cagagcaatt	agagcatcaa	aaatcgaaga	gcaaagcccc	aaaaccgtcg	180
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cccacaactg	ttgccagga	tgaggagatt	ctttcggggc	tcgtccagtc	tgaagcatct	300
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aaatatatct	tgcaaactct	ggccaacatg	ctcgagaagt	tcatacagaa	ctccgctcag	420
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<210> 15564

<211> 192

<212> DNA

<213> A.fumigatus

<400> 15564

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tcaagcccgc	ccgagatgcc	aatggggttg	ttgagcgtat	acccgaagac	ctgcataagc	180
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<210> 15565

<211> 792

<212> DNA

<213> A.fumigatus

<400> 15565

aaatgcgaag	cccagcgcaa	caaaatcgtc	ctccccaaa	accgctccag	gctcctccta	60
gccctcattc	ccgattttct	aacgatctac	ccctgcgccc	aaatcatcaa	agactgggcc	120
gccggcttcc	aactgccctc	cgacgtcgac	cctgaacagc	cgcggttcct	cctcggcgcc	180
caggactgct	tctgggaagc	cgcaggcgcc	tacacaggcg	aggtctcccc	cgctcgtctg	240
cgttcgctgg	gggtccgtct	agtcgagttg	ggccacgcgg	agcgcgcgcg	tctctttggc	300
gagacggacg	accaagtagc	ccgcaaggcg	gctgctgctg	tcgaccaggg	cctgatcccc	360
ctgggtctgca	tcggcgaggt	tactgcgccc	ggggcgatcg	cgtcagaagc	ggtggggctg	420
gcggtgcgtg	agtgtgcggg	ccagatgcgc	gcggtgctgg	atgcgatccc	ctccgctgcg	480
ccggtgatct	ttgcatatga	gcctgtttgg	gcgattggga	aagcgaagcc	tcggggggtg	540
gaccatgttg	cggctgtggt	ggaagggatt	cgggcggtga	ttgggaagcg	agaaggggaa	600
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aaggccgttg	atgggatgtt	tctgggggag	tttgcgcatg	aaattgaagg	tgtccaaaaa	720
gtggtccaag	gaagtgggaag	aaaacttgtc	agagcaatag	cagactcact	agccaggagt	780
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<210> 15566

<211> 1263

<212> DNA

<213> A.fumigatus

<400> 15566

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cttcgtcgga	cgcaatatat	ctctgctggt	ctccgcgcac	cggatggccc	caaggtcgca	180
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atcaagaaat	acattcaaaa	aggcttcgat	attgcctatc	cggatagcag	acatgttggg	300
gaggatacac	cgaacagaat	caaaggccac	actcctacca	aaatcgaggt	cgacgcttgg	360
gctaaccggg	ttcatcctga	caatccgaag	ctcaagccgg	tcggattcta	ccctctgctc	420
cccgatctac	agggattccc	ggaccctgga	ggattcgttc	agttcaagtt	cgataaagcg	480
cctgttcagg	gtgtttcagg	gaaacgagac	gagcgcattg	atgtggccat	tcttcttcc	540
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ggtgcatact	actatcctat	tctcggaag	accgtctaa	agcccagagc	ggcccgctact	960
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gcggccattg	atccgaaatt	tgcaaaaact	ctccctccgc	ctcctgaacc	ggaatctgct	1140
cctgagcagg	aacatcctga	gactcacgac	tctgaccgag	gagaagaggt	gaccgaagat	1200
cgcaatcacc	agccaaccgc	tgcagaagtg	agcgacgacg	aagacaagat	gagtgcagaa	1260
tag						1263

<210> 15567

<211> 585

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (140)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15567

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cgtggcaaca	cgaccaaccn	gcggcctgcc	ccgctgcgcg	atggcttcac	tcttccgcca	180
aaggagcagt	ctaccctgaa	ggagacggga	ggctactcgg	ggccccagct	gttcgaccgc	240
acagctgccc	tgggtggccc	ctaccggggc	ctgctgggat	caccgcccac	tccggcgtcc	300
gatgcgaatg	aaaccgacca	agccaaggag	ctggcagcgg	ctgtgactcg	agccgagcct	360
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ggagcctcgg	tcgcgatgat	gtacacggcc	gtgacgtatg	gtggaatcgg	cacagtcact	540
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<210> 15568

<211> 627

<212> DNA

<213> A.fumigatus

<400> 15568

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tggacacctt	caatttcatt	cgcaaaactc	cccagaaaca	tcccatcaac	ggccttgccc	180
agccttccag	ccccccacag	ccccggcccc	gcggttcccc	ggtacaaaac	cctcacttcc	240
ccttctcgct	tcccaatcac	cgcccgaatc	ccttccacca	cagccgcaac	atgggtccacc	300
cccgcaggct	tcgctttccc	aatcgcccaa	acaggctcat	atgcaaagat	caccggcgca	360
gcggaggggg	tcgcatccag	caccgcgcgc	atctggcccc	cacactcacg	caccgcccag	420
cccaccgctt	ctgacgcgat	cgccccgggc	gcagtaacct	cgcgatgca	gaccaggggg	480
atcaggccct	ggtcgacagc	agcagccgcc	ttgcgggcta	cttggtcgtc	cgtctcgcca	540

aagagagcgc ggcgctccgc gtggcccaac tcgactagac ggacccccag cgaacgcagc 600
gaggcggggg agacctcgcc tgtgtag 627

<210> 15569

<211> 474

<212> DNA

<213> A.fumigatus

<400> 15569

caaggcagac tcgtcatggc tgccaattcc accagtcttg cctggaaatc ggctggtttg 60
agggcccgcg ccgtgccgtc attgcatgac tcccaccggt cttcagtcct tcatagacag 120
gccgctttcc agcaaacagg tgccgtgcga catgcctcaa gcacgaccag cgaggcagct 180
gaggcagtaa aggaggcacc caagaaagct ggccgcggcc tcaagagaac ggtgtacgga 240
acatcgttgg tactcgctgc attggtgggt tatgtatatg cgacggatac cagggcaagc 300
atccaccgct atgctgtggc tcctcttgct cggacgcttt atcccgacgc ggaagaggcg 360
catcatattg gtgtggaagc tctgaagacg ctctacaagt atggacttca tccgcgggaa 420
cgcggaacc aggacgggtga cggcgtgttg gctactgagg taatacagcc ctga 474

<210> 15570

<211> 615

<212> DNA

<213> A.fumigatus

<400> 15570

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gaagttagcg gtacgacccc cctgccacag gagggaatc cccgacctcg tgtgttccga 180
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ccaagccgta tgtga 615

<210> 15571

<211> 369

<212> DNA

<213> A.fumigatus

<400> 15571

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ccccagaaa catcccatca accgcttgc ccagccttcc agccccccac agccccggcc 120
ccgcggttcc ccggtacaaa accctcactt ccccttctcg ctteccaatc accgcccga 180
tcccttccac cacagccgca acatggtcca cccccgagg cttecgctttc ccaatcgccc 240
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gcatttgccc cgcacactca cgcaccgcca gccccaccgc ttctgacgcg atcgcccccg 360
gcgcagtaa 369

<210> 15572

<211> 951

<212> DNA

<213> A.fumigatus

<400> 15572

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gtttcagttc	cagatacgtg	ttttatcacc	tgctccaaaa	cacgcatcaa	ggtcattcta	420
cagtatctgg	aggaaggctg	gatttggtcga	gccagaaca	aggtggaagg	cttgattttc	480
cggtatgacc	cgaaccaaga	taccattact	agaattaaag	acgtgcccg	cggcgatgtt	540
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agtgttacac	cgatgggaag	accagagttg	accgaagagg	gatatacagc	cctgcagggt	900
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<210> 15573

<211> 876

<212> DNA

<213> A.fumigatus

<400> 15573

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gttcgcaagg	caggacagga	gagccataag	gttgccataa	cagccgctca	caaggacaat	180
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ctgttgagtg	ctgagcggaa	tcttgaagag	actgctctga	gacgtatcgt	taaattcctg	840
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<210> 15574

<211> 450

<212> DNA

<213> A.fumigatus

<400> 15574

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cgccatctcc	tcgccgcctt	ccgggataca	ttctccaacc	gcggcagtat	ccatcatctt	120
catcgctatc	atccagtcac	caatctgcac	gttcttttcc	ctcaagcact	ttctggcaac	180
ttacaccatg	cgctcttttc	acagattact	aatggccacg	ccgtcaacaa	tgggctccaa	240
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ccgcgtccac	cgccgcaagc	tcgatcccga	gatgcgcac	ctgggcgact	catacgtgaa	360
aagcgagttc	cgcgcacaca	gaaacgtaga	gaatcctctg	catattgtac	gcttccccgt	420
ttttcctcag	gtcaaattga	gcagtgctaa				450

<210> 15575

<211> 609

<212> DNA

<213> A.fumigatus

<400> 15575

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cgaacctata	tatatataca	acgaaacat	tccctgcaa	cagaagcact	atattcccta	180
ccctcccaaa	caaacaaaat	gccaccaag	acaagcataa	tggagaaccc	ctcctccaaa	240
atccccctc	cggcatcagc	cctccaaaa	gccccaaccc	tgaaaccccg	cgtgggggtc	300
ctgagagacg	gcacgcctgt	cacaatgtac	cccattgctc	acggggcctc	gagcatcccg	360
tcgggtctgg	tggcgacgct	cgctgatgaa	ttccgcgcgg	agattgaggc	aggctgcacg	420
tatccgatgg	aggagccgat	gggcgaggcc	aagttcgccg	agtactggtt	tgggacgttt	480
gcagttgtag	ccctgacggg	ggacgaggag	gagattaggg	aaggaggga	ttggaagaag	540
gagtgtttgg	gaacgttcta	tattaagccg	aattatcctg	gtaatttatt	ctgcatacag	600
tttgtttga						609

<210> 15576

<211> 414

<212> DNA

<213> A.fumigatus

<400> 15576

ttcgccatct	cctcgccgcc	ttccgggata	cattctccaa	cgcgggcagt	atccatcatc	60
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acttacacca	tgcgcctctt	tcacagatta	ctaattggcca	cgccgtcaac	aatgggctcc	180
aagtccagcc	tcagcgaagc	cctcgccctc	ctccccccac	tccagctcta	ccgcgcgcatc	240
ctccgcgtcc	accgcgcgaa	gctcgatccc	gagatgcgca	tcctgggcga	ctcatacgtg	300
aaaagcgagt	tccgcgcaca	cagaaacgta	gagaatcctc	tgcatattgt	acgcttcccc	360
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<210> 15577

<211> 189

<212> DNA

<213> A.fumigatus

<400> 15577

caacctacgg	agtatgagga	tctggatata	ctctttgtat	attattatgc	atcggcacaa	60
aagctcgcta	caggtggatg	catttctctc	attttgacgg	cgttcatgtc	tatatttagc	120
tttgactag	ttcagcggtg	taagattcca	tgcattgcgc	tggctctggg	attagaagca	180
cgagcatga						189

<210> 15578

<211> 255

<212> DNA

<213> A.fumigatus

<400> 15578

gaaatatccc	tccatatact	cacaatcacc	aactttctcc	accccgctg	cgtcccgtta	60
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tccggccgat	tctgtgcaca	gagcagcaca	tacgccaccc	cacgctcagg	atgcaaacag	180
cccgaagcg	cctcaagcaa	ccgattcgtc	gtctccatcc	catccaatcc	tcccgcgtac	240
gttaacgaca	ggtaa					255

<210> 15579

<211> 825

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (425), (468), (504)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15579

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ttcccgttag	tcgtcgaagt	cggcaccggc	tccggcgctg	tcttggcctt	tgtcgcgcgc	240
aactcccacg	aaatcttttg	ccgccgcgac	atcctcacc	tcggcacaga	cgtgaaccgc	300
aatgcctgcg	ttgccacccg	cactacggtc	aaaacagcca	tccaagagcg	ccaagcagcc	360
gcagccctga	aatccacaca	tgtcgccctg	gtgctgggag	atctttgcag	ccccttgccg	420
ccggnctccg	tcgacgttct	tctcttcaac	ccgccgtatg	tgccgaacga	ggaacttgcg	480
cgtctgccct	ttgtgacgga	gcangaggcc	gatcccgcat	cggagccgct	gtcaagatcg	540
gccaagtctg	agcgggactc	gtattacctg	tcgttaacgt	acgcgggagg	attggatggg	600
atggagacga	cgaatcgggt	gcttgaggcg	cttcggggcg	tgttgcatcc	tgagcgtggg	660
gtggcgtatg	tgctgctctg	tgacagaaat	cggccggagg	aggtcaagga	gaggatacga	720
gggtggggag	gggggtggaa	ggccgagtcg	gttgggaata	gcgggacgca	ggcgggggtg	780
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<210> 15580

<211> 429

<212> DNA

<213> *A.fumigatus*

<400> 15580

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gggggggggg	gtgggggggg	gggggggggg	gggtgggggg	ggggggcgag	tgagaggggg	180
gcggggggag	gggggggggg	gggggggaag	gagggggggg	aagggggggg	gcaaaatgag	240
gtccatatag	ataggagggt	gggggggtgc	gggggggggg	gggggggggg	ggcggggggg	300
ggagttaggg	ggacgtgcgg	gtctgctggg	ggggggcggt	gggggggtga	ggggggggag	360
gggggggggg	ggggggggga	gggtgggggg	tgtggggggg	gggtggtcgt	gggggggggg	420
gaggggtag						429

<210> 15581

<211> 1851

<212> DNA

<213> *A.fumigatus*

<400> 15581

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caggatgtga	cagatctgga	accgtaccca	gagacgcaac	agggcgga	tcgccctgat	180
caacatgatt	cagacgttga	catggaagat	gtcccattga	ctgaagtcga	tactcagac	240
gatgagacat	acgttgaaag	tgaggacgac	ggttctgtgt	ccgacgatga	ggccagcaat	300
gatggtgatt	cgtacaaatt	agcgaagaag	caggctgcgg	tgctgccatc	gtctagcaag	360
caacaccctg	atagtccgcc	gtcatcgccc	tcatacaggc	ctaatagtt	ccgtggccct	420
gagtcctacg	ggagaaagct	tacgtttgaa	gaccggcaga	atgcgcaagc	actggaggaa	480
ctcagagcca	gagaccttgc	cgctcatctg	tacaatgctt	ttgctttacg	ggttagggca	540
cgtgagatcg	cacggcaagc	gttagaaagc	gataagcaac	ttgacgagac	ggaagcattc	600
gtacccccga	aacgttggac	agcgtggcct	gtaccggcaa	cggaggttcc	tcgtccagga	660
gagcatctac	gaagacaaat	tgatgacgaa	tggaacttga	gaatgccgcc	ggatcctcga	720

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cccagcgcag agctggagga gtcaatcata gcaatcatgc ttaagactgc caaggatcgg 780
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tctatgtccc aaacgaacga cgaaactact ggcatagaga gcgaatggga gtgtgacatt 900
gacactactg atgccatgga acttcgtccg gtagtccaag ccgacgatga caaatctcga 960
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caatcacgaa aatcgcgctc ccgcgcagcg tctacaattg gctcgacgtc tcgtcccagc 1620
agtcacaacat cggaggcgagc tggtagcaaa caacgactca aaggaaaagg gcagcatcgc 1680
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acatggaatc tcaacttgca catgaagcga atgcatgccg gataccgggtc caggagcgcc 1800
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<210> 15582

<211> 606

<212> DNA

<213> A.fumigatus

<400> 15582

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ccgcgaccgg cccacaacac cctctcccc cacaccgctc ccgcacacc cactctctac 180
cctctcccc cccccacgac ccccccccc ccacacccc caccctccc ccccccccc 240
ccccctccc cccctccac cccccacgc cccccccag cagaccgca cgtccccca 300
actcccccc ccgccccccc ccccccccc ccccgcacc cccccacct cctatctata 360
tggacctcat ttggcccccc ccttctccc cctcccttc ccccccccc cccccctcc 420
ccgccccccc tctcactgcc ccccgcccc ccccccccc ccccccccc cccaccccc 480
cccccccgcc gcccccccc tcccccccc ccccttccc cccctcccc cccccctcc 540
cccccgccc ccccccccc cccaccccg aaagccctt tcttggttc cgccccccc 600
cccccc 606

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<210> 15583

<211> 621

<212> DNA

<213> A.fumigatus

<400> 15583

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aaaatctcga cccctacgac ccccgaccgc ctgcaaccac cccactcccc caaccacccc 120
accccccccc cgacctcccg cgaccgccc acaacacct ctccccccac accgctcccc 180
gcacaccac tctctacccc tcccccccc ccaagaccac cccccccca cccccccac 240
cctccccccc ccccccccc cctccccccc cctccacccc ccaccgcccc ccccagcag 300
accgcacgt ccccccaact ccccccccg ccccccccc ccccccccc ccgcaccccc 360
cccacctct atctatatgg acctatttt gcccccccc ttctcccccc tcccttcccc 420
cccccccccc cccctcccc gcccccctt cactgcccc ccgccccca ccccccccc 480
cccccccccc accccccccc ccccgccgc cccccctcc ccccccccc ccttcccccc 540
ctcccccccc cctccccccc ccgcgcccc ccccccccc accccggaaa gccctcttct 600
tggattccgc ccccccccc c 621

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<210> 15584
 <211> 597
 <212> DNA
 <213> A.fumigatus

<400> 15584
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 cgcccacaac accctctccc cccacaccgc tccccgcaca cccactctct acccctcccc 180
 cccccccacg accaccccc cccacacccc cccaccctcc cccccccccc cccccccctc 240
 cccccctccc accccccacc gccccccccc agcagaccgg caggtccccc caactccccc 300
 ccccgccccc cccccccccc cccccccgca cccccccac ctcttatcta tatggacctc 360
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 cctctcactg ccccccgcc cccaccccc cccccccccc cccccacccc ccccccccg 480
 cggccccccc cctccccccc ccccccttc cccccctccc cccccccctc cccccccgc 540
 cccccccccc cccccacccc ggaaagccct ctcttggat tccgcccccc cccccc 597

<210> 15585
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 15585
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 gtccataagt tgggcctgaa aatcggtcct tactccagcg ctggaagggt gacttgcgcg 120
 cgggtatgagg gtcctctcgg ttacgaggaa aaggacgctg ccctctgggc aagctgggggt 180
 gtatgttttc tttccggttc tcttggtcgc ctccaaggct ga 222

<210> 15586
 <211> 741
 <212> DNA
 <213> A.fumigatus

<400> 15586
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 attgctcaca tgagcctctg ggccgcccctc aaatccccc tctcatgac caacgtcatg 180
 accaagatcg atccgcccac cctctccatc ctccagaacc ccgccgtcct cgcgtctcgc 240
 caggaccccc ttgctccac ccccgctcgc cagtggcgtc acttcgtcga cgacgtcgac 300
 gagaacggca agggcgagat ccagatgtac tctggcccgc tgagcggcgg cgaccagctg 360
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 gatctgtggg ccaaccgat gagtaatgag gatgcggcgg ccatcattaa cgggacgttt 540
 actgggcccgt cgcctataa cttgactgct atgggtgggg cgcagcaggt ctattcgcgc 600
 cctctgccgt cgaattcgaa ggtgttgatg ggggtccaagg ttgggtcagt gcagcctagt 660
 ggcacgggta cggcttatgt tcggccgcac ggtgtcgcta tgttgcggtt gcgtgcgacc 720
 gacaaaaagg atgaattgta a 741

<210> 15587
 <211> 447
 <212> DNA
 <213> A.fumigatus

<400> 15587
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 tcctttgacc gctacaacgc catgttcaag gccctcaatg caactggtcg cccaatgctt 120

tattccctgt	gtaattgggg	cgtcgacggg	ccctggaact	tgccccaac	catcgccaac	180
tcctggcgca	cgactggcga	tctgagcaac	gtctgggacc	gcgacgacgt	caactgcccc	240
tggtccgaac	tggacggcct	ggactgcaag	acgcccgtt	acaaatgctc	catcatgaat	300
gtcctcaata	agggcgttta	ctatccatcc	aaggcgattc	caggcgctctg	gaacgacctc	360
gatatgctcc	gtaagttcca	cttcccccca	gcaaacccca	atgcaacaac	attcaacccc	420
gcccgaagga	tgggaaattc	acgctga				447

<210> 15588

<211> 624

<212> DNA

<213> A.fumigatus

<400> 15588

gctgcacctc	cgctacttgg	agttggcgcg	gtcgactcag	tagcagatcc	gggaacaagg	60
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gctcggatag	cagccaggag	gtcttccctg	ccacccgttg	gcttaggcag	aggtggagcc	180
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ggagggtgatg	gtggaacct	cgttgaaggg	ggaggaggcg	gaggaggcgg	aggaggcacg	420
gcactagtga	ctggaggggg	aggagtggc	cgtgaagcag	caggaaactgg	cggaggcggg	480
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acatgtggaa	ctttgggagg	aagctgtggt	ggtgttcgag	ggcttcgcgg	aggaggaggt	600
ggtggccccg	gggtgccgag	ctaa				624

<210> 15589

<211> 261

<212> DNA

<213> A.fumigatus

<400> 15589

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gtcaatcgga	gggcctccac	caccccgcc	gcctccgcgg	gctcctggcg	gctctgcgcc	180
tccccacct	ccgcctcctc	ctggtgccgg	tgcacctccc	ccacctcccc	ctgcgagtgg	240
cgcggctcca	cctctgccta	a				261

<210> 15590

<211> 651

<212> DNA

<213> A.fumigatus

<400> 15590

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gttctaata	agcatgatcg	ggtccttgtg	tttgatgcgt	atggatcgac	cgattcttat	180
atgcaatcgt	tatttgtata	tgacttgga	gggaagctac	agcagaaaca	gacaggagga	240
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gatcatcaag	aagtggagat	gcttttggaa	tcttatcaca	aagtctgcga	tgaaattgtc	600
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<210> 15591

<211> 615

<212> DNA

<213> A.fumigatus

<400> 15591

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acccttgggc tcgcgacagg cactctcttc tccgctctct acggcatgaa cttgaagaac 180
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ggcgaagctc ggacagagag aatcaaactg cttcgggaga ccgcggctgc agccgctgcc 480
aggtctgcaa gtgccgacgc aacggcccag agggcatctg ctttgcgaa ctcggcaaac 540
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<210> 15592

<211> 732

<212> DNA

<213> A.fumigatus

<400> 15592

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cctggcggct ctgcgcctcc cccacctccg cctcctcctg gtgcgggtgc acctcccca 420
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aagagagatc ggagcgctgc ccttggtccc ggatctgcta ctgagtcgac cgcgccaact 600
ccaagtagcg gaggtgcagc tcaaggaggt ttggccggcg ctttgcaaga cgccttgcg 660
aagaggaagc aaaaagtcag cggtagcggc aagtttctcc cacatcaatt gttcgctagc 720
aaaactagct aa 732

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<210> 15593

<211> 921

<212> DNA

<213> A.fumigatus

<400> 15593

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tctgtacgag ccgggtctgc ggagactcga gagcgacggc gacatgatcc gttcctaatt 180
gcccagtcct gtcaacggaa ggctgccaat ctatctcgtc aacaagccct tgcctgagag 240
cgtgaagagt cccttggcga tccggtggaa agcaaacctc cccctttcat cgaggagctg 300
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cgggaaacgg cagatcctca acttgaaaag gaggtgctg aaagacatct ccaggagcat 480
cgaaacgctc aagaagcgat cagacgtatc atcaatatca acaacggaaa caccaaagac 540
cgcactcgtc tgctcataca gaaatgcatt gatacatctg gaagacataa taccgacaag 600
atcctcccac ccaagcccac agctgtcgtc caggattcct cactgtcca cccaagaag 660
acgcccagaa taggcccaga tactggctct cccgaagtcc aggtcgctat tctgaccgca 720
aagatcatta acttgtccag acatctccaa tcgaccaaca aagacaagca caataagcgc 780

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aacctgagac	tactggttca	caagagacag	aaactgcttc	ggtacctgcg	caggaaggaa	840
cggggtggac	caaggtggca	gcattcttatt	gaaacactcg	gcctgtcgga	cgctgcttgg	900
aagggtgaga	tcagcatgta	a				921

<210> 15594

<211> 807

<212> DNA

<213> A.fumigatus

<400> 15594

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gttctcacca	gcgaagccgg	actcgacagc	accggcgcca	atctcctcag	caccggggac	180
cttagcctca	tcggcaatct	ccttgttctc	ctcggcttca	gggtcacggg	agaagtagag	240
atcgacaaca	acgtccact	cggtctcagc	agtggcgaga	gtaccacgga	gacggagAAC	300
ttcacgggca	agcaaccacc	agatcagacc	aatggcgtga	cgacccttgt	tgttgggtggg	360
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<210> 15595

<211> 765

<212> DNA

<213> A.fumigatus

<400> 15595

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aacttcacca	actacatcac	ccgttctttc	aaggagcccc	gcctcatcat	cgtcaccgac	300
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<210> 15596

<211> 210

<212> DNA

<213> A.fumigatus

<400> 15596

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cacatggagc	cttacctctg	gaagactcgt	cccgacgggt	tcaatgtcat	taacattggc	180
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<210> 15597
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 15597
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 aaggtagatt tcacctcggt cactgacaat ttgcgtcggc gttcacgaat acttttgcgg 180
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<210> 15598
 <211> 684
 <212> DNA
 <213> A.fumigatus

<400> 15598
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<210> 15599
 <211> 384
 <212> DNA
 <213> A.fumigatus

<400> 15599
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<210> 15600
 <211> 330
 <212> DNA
 <213> A.fumigatus

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 ggggtctataa tggtcagtc tgggaacatg gaacgacttg tggccaaact ctcaaaaatg 240
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<210> 15601
 <211> 1182
 <212> DNA
 <213> A.fumigatus

<400> 15601
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 cggggtgttg ctgagtcctat tgactccgac ctgaacaacc tttccatcct tctgacggca 360
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<210> 15602
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 15602
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<210> 15603
 <211> 318
 <212> DNA
 <213> A.fumigatus

<400> 15603
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 gttagtact ccgctga 318

<210> 15604
 <211> 315
 <212> DNA
 <213> A.fumigatus

<400> 15604

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ctgaagttct	gccaggtcac	aagcattggc	catcatctcg	cagccccaac	tttcacatcc	240
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<210> 15605

<211> 519

<212> DNA

<213> A.fumigatus

<400> 15605

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cagcaggttc	gaatctcgtc	cgtggctctc	tccagtctgt	tcaatgtcgc	caatgcaaga	480
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<210> 15606

<211> 600

<212> DNA

<213> A.fumigatus

<400> 15606

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<210> 15607

<211> 228

<212> DNA

<213> A.fumigatus

<400> 15607

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ttgatccagc	taaacaagaa	gtatggtttc	ttggaaaaga	gcaaagtcct	tctggatctt	180
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<210> 15608

<211> 1029

<212> DNA

<213> A.fumigatus

<400> 15608

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<210> 15609

<211> 1479

<212> DNA

<213> A.fumigatus

<400> 15609

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<210> 15610

<211> 573

<212> DNA

<213> A.fumigatus

<400> 15610

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<210> 15611

<211> 474

<212> DNA

<213> A.fumigatus

<400> 15611

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<210> 15612

<211> 1230

<212> DNA

<213> A.fumigatus

<400> 15612

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1230

<210> 15613

<211> 600

<212> DNA

<213> A.fumigatus

<400> 15613

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gtgcttaagt	gtgtccgtga	ccagaatggt	aaccatgtca	tccagaaggc	cattgaaaga	120
gttccatctc	aatacgtgca	attcatcatc	aacgccttca	agggacaagt	gagcaggctg	180
gccgcgcacc	catatggatg	ccgagtcac	cagcgcacgc	ttgagcattg	tgaagaagta	240
gaccgggaat	ccatcttggc	tgagcttcat	gcttgcaactg	ctcaccttat	cccagaccaa	300
ttcggaact	atgtcattca	acacgtgatc	gaaaatggcg	aagaaaagga	tcgatcccgt	360
atgatcaacg	ttgtactgtc	gcaactgctc	atgtattcga	agcacaatt	tcgagcaat	420
gtggctgaaa	agagcatcga	atgtggtgaa	gagtcgcagc	gtcagcagat	cattagcaca	480
ttgacatcgg	cgaacgagag	aggcgagagc	cctctcttgg	gtttgatgcg	tgatcagtac	540
ggaaactacg	ttattcgtga	gtcctttcca	agtcctcgtt	tcgatgtatg	gaattgctaa	600

<210> 15614

<211> 315

<212> DNA

<213> A.fumigatus

<400> 15614

tccttgcagg	acatttaca	tcacattggt	gagttcagtg	gcatcagca	tggttcacga	60
ttcattcaac	agaagctgga	gacagcgaat	agcgacgaga	aagagcaagt	gttccgcgaa	120
atccagccca	actgcctgca	gttgatgaca	gacgtgtttg	gcaactacgt	tgccccaaag	180
ctcttcgagc	atggcaacca	gtcccagaaa	aagattcttg	ccaatcagat	gaagggccat	240
gtgcttgccc	tgccaccca	gatgtatggg	tgctcgcttg	tccaaaaggt	atggctactt	300
catgccaaag	ggtag					315

<210> 15615

<211> 228

<212> DNA

<213> A.fumigatus

<400> 15615

ttgaatgggt	cagagataag	accgggcccg	cattggccct	catttccctc	cctccagcgc	60
gagtataagg	tcggtccctt	ccctcctctg	cttctctctt	cgctcgatat	tcgtgaggac	120
acaacaggcc	tttcaacttc	ctttctccca	cacggctcgg	gcagtccttg	cttggtttct	180
ctttgcgaaa	tgtctacca	agatcacgag	gttgaggctg	ctcagtaa		228

<210> 15616

<211> 201

<212> DNA

<213> A.fumigatus

<400> 15616

gcaacaaatg	ctttgcccct	aaattccaga	gcaagctccc	tatgtgcatg	tcagcctctc	60
aatcatcgta	atgctctaac	caacccaaac	actccgcaat	ccgcagagta	taccttttac	120
cagatcttct	gtatgagctc	ggcttatttg	gataccgagg	gggtcatcta	cattattgcc	180
caagggcgga	ggatggggag	g				201

<210> 15617

<211> 225

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (38), (70)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15617

tgtctcgagg	cgcttacagg	ggtatgcgca	ttgggttnta	ccctgacgaa	tgcgaggct	60
tactctccan	acgtccctct	ggcccaaaaa	gagaagtga	accaagttca	attaggtcat	120
tgtagcttc	aaatcggttt	cgacttcttt	tccttgatgg	ctcttgagac	gatgacgctg	180
aaaaccaaga	gaccctacct	ggcgcatgtg	gcaccatta	tttaa		225

<210> 15618

<211> 720

<212> DNA

<213> A.fumigatus

<400> 15618

cttgtcgttg	tccaaggcca	gtacgtcaag	tctctatcat	ttccaagtat	gccgactttt	60
ttgcgtat	tcgaacctcg	ctactgcctc	atgatacgaa	gagtcatgga	gagtcgagag	120
cgcaagttcg	gaatgggtcat	gtacaatcgc	ctaggacgac	cgcaaggaca	actaggagca	180
acccaattca	tgcaatatgg	cgtagttctt	agggctcgagc	gctttgagcc	ccttcctggc	240
ggcagaagct	tgattttttgc	catgggtgta	tcgcgcttca	aagttatcaa	atctcacatc	300
gtggatggct	accacgttgg	caaatacag	cgggttgacg	atattcctat	cgcagaagag	360
gagaatttgg	aatcgtggga	gacgtcgacc	atcccacatc	gttcaacaga	agcccgcca	420
tccaacagc	cactggactc	catgtcaacg	caagaactgt	ttcagttggg	actggacttt	480
gtacgaaagc	ggcggggcga	aggagccaga	tggtctgcacc	cccgtgtttt	gatggcctac	540
ggagatat	cttcagatcc	agcgcagttc	ccctgggtggc	ttgcctgtgt	tttcccagta	600
tccgaagagg	aaaagtacgc	gcttctgtca	gcaacaagtg	tcaggagagc	gctgaagatc	660
accgcacagt	gggctagaaa	ggcagaggcc	cgggagaggt	atgttctcaa	gtgccattag	720

<210> 15619

<211> 186

<212> DNA

<213> A.fumigatus

<400> 15619

ctagccgtcc	cacttctcgt	cttcggtctc	atccccttgg	ctcttggtcc	aataacatcg	60
tccacgtcag	tgcatctgc	aggtgttctc	acctcttttt	ctcccctctc	cttctctgtt	120
tctgtgtcat	ttggttcgcg	cagccctgct	acatattata	tcaatcaacg	gtggattgca	180
cggtaa						186

<210> 15620

<211> 216

<212> DNA

<213> A.fumigatus

<400> 15620

ccgaatctca	cagcagctaa	atatggctgt	gctaattttc	catatccgaa	cgattcgctc	60
tctgaaaagt	ctgtttatct	ttatacgtca	actgcggaca	tttctcaaac	ctctagatgg	120
ctcactaccg	ctttctttct	tggtctagg	ttgcaggaag	atcaaatacg	ctgtcgtgtt	180
gatttgtaca	ctgcttgtac	agaacactgc	aatga			216

<210> 15621

<211> 585
 <212> DNA
 <213> A.fumigatus

<400> 15621
 tgtatgatta cataccaagt cacacaacca tatgtggttg ctgaccactc tctccttcag 60
 atcttggttt acggagcgaa tcttcctgtc ctgtccccc aagtctctgg ggagctctat 120
 gagcagcagg attatgatgg actcgagata cgccctgtca ctcaattcaa gagctccaac 180
 aatcatggaa atgcctcttg tgaggtcggc gagaactatg aggacgatcc tgaagatgat 240
 ggcatagttt ctccaaacag tgacgaaaag gatgatattg acgagtcgag aagcgcggat 300
 tctgaatctt ccccggcagg tcaacgcaca gtcttcattc gcggcttacc ggaccgggcc 360
 acacatcaag atgtcgttga tgcagtgaga ggcggtgctc tgctgcacct ttaccttcgg 420
 gctcgggatc acgccgctta cgtctcgttt gttgaaccag ctgccgctgc cgaattcctg 480
 cagcatgcaa aaactcttgg ctgtcatatt tccgggaagc gtgtaagaaa gcctatcgaa 540
 accgttgcac atgtacttgt attgaaccac tcctcatctt catag 585

<210> 15622
 <211> 411
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (282), (314)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15622
 gtcgaggtct catggaatga ccggcaattc taccttcccc catacgtcgg atcgaagatc 60
 aggaacggcg caactcgaaa tctagtgatc cacaatgtga attcaaatat cactgaatca 120
 attatccgga gggaccttga ccatatccac aacctgattg ttatcactgt gaaattcaag 180
 caaggcaatg catacatctc caccaactcc gttcacaatg cactatttgc tcggtcgtgc 240
 atgatgtctc gaggcgctta caggggtatg cgcattgggt tntaccctga cgaatgcgca 300
 ggcttactct ccanacgtcc ctctggccca aaaagagaag tgcaaccaag ttcaattagg 360
 tcattgtcag cttcaaatcg gtttcgactt cttttccttg atggctcttg a 411

<210> 15623
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 15623
 ggagtgggtc aatacaagta catgtgcaac ggtttcgata ggctttctta cacgcttccc 60
 ggaaatatga cagccaagag tttttgcatg ctgcaggaat tcggcagcgg cagctgggtc 120
 aacaaacgag acgtaagcgg cgtgatcccg agcccgaagg taaaggtgca gcagagcacc 180
 gcctctcact gcatcaacga catcttgatg tgtggcccg tccggtaa 228

<210> 15624
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 15624
 ttcgtcgcgc tacttagggc taggcttctc agtgtttatc catttcttcc agatcaaadc 60
 tgtttttctg ctgcgattga atgggcggag atactcgttc aggctgctgc tcagcgtggc 120
 atgectagga taactcacta tatcattatc attgttctgc tcttctttgc tttcggagag 180
 gtgtga 186

<210> 15625
 <211> 351
 <212> DNA
 <213> A.fumigatus

<400> 15625
 ttactcttt tcggccacgc gcgttggett aaccgcgcga ggctattgag ggttatgccc 60
 gaaaacagag aaagcaacac agacaatcat gacttatcta tcagtggcac cacccccacc 120
 aacactgcgg taccatttta tctaccaccc acgcaactcc ataactggac ggcttccttt 180
 ctgccccgcg tgctcttagc tggctactgc atgatcgctc tgctttttcc cggccctaac 240
 gatgctttcg ggaggggcct cccaaactct tttcctaaat tcgtcaaggg ctattggatc 300
 tgtgagacgt ggcccaatca aaaatcatgt cgttgggtag ttcgccagtg a 351

<210> 15626
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 15626
 tccgatgcca tggggcaaaaa aggagcaaag aacaaaaaga agaacaacaa caacaataat 60
 aagcaacgcc taccgggtgaa cgataataag ttttccctct ctgaagacaa ccctacagcc 120
 gagcctggcc ttgcagtggc cgccgaggct ggggaccatg gccaacctac agtatgcaca 180
 gcttcccaag tttga 195

<210> 15627
 <211> 747
 <212> DNA
 <213> A.fumigatus

<400> 15627
 atgaaagtcc tgcaccggaa agcaaagaag gagacagcaa cggatatgctt tgggataaccg 60
 aaatgcataa aaagccagct aacctcattc ccagaggatg atttcccaga atgtgaccca 120
 tccgcggagc tcgataaggt cgaggccgaa aaagcgggaag cggcacggca agcggaggaa 180
 gatgcaaaag cagaagagga ggcagaagca gcagctgcag cagctgctgc agcagggggtt 240
 cctgatgacg ttgatattga cattggaaat gagaactcac ctacagatac tccagacaac 300
 gaggaagctg ccccgccaca gggtgaccca ccaacgaacg agtcagcaga agaagatgtg 360
 acgaagcccg aactgaaaa tagtcagacc ccggacggac ccgctgaaga gcagagcgac 420
 tcaccacccg aagcagagca gcccgtcgct gaagtacaag ttcctaccga ggagcagccc 480
 gctcctaaaa agcccgccacc tgaaccttct tctgaggaac ctgccgcgcc gactgagacg 540
 ggggagaaca acacttcaga agaagcagta gctcccgaag gcgcaacagc cgatatcgct 600
 gcagacgaaa cgacgaagcc agaatccact gacgagaaag ccccggaaga gcctgctgca 660
 gcagaaagcc cagtcgagga caagcaagat gaggcaacaa aagctcttgc agcgtcttca 720
 ccacggggct ggaaggagcc gcgccat 747

<210> 15628
 <211> 417
 <212> DNA
 <213> A.fumigatus

<400> 15628
 acgataataa gttttccctc tctgaagaca accctacagc cgagcctggc cttgcagtgg 60
 ccgccgaggc tggggaccat ggccaacctc cagtatgcac agcttcccaa gtttgaatat 120
 cagacattcg agcgtcaata tcagaccttc gaccgtcaaa ctttgcaatt ttcgttttat 180
 cccgtcactg ctgctgcttc ttcggatggc ctgacatcgg ataaggatca ggataccacc 240
 gataacgcga cccattcaga ggaaggccca tccctagaga gtgctcccgat agaagaatca 300

ggttctcccg ttgacgctgc gcctgcaccc gaatctgaag gtacgcatga ttgtcaatcg 360
ccactttctc gctttgatcg gggttcacct tcctcacatt catttagagt cacctga 417

<210> 15629

<211> 435

<212> DNA

<213> *A.fumigatus*

<400> 15629

aagaatcagg ttctcccggt gacgctgcgc ctgcaccoga atctgaagggt acgcatgatt 60
gtcaatcgcc actttctcgc ttgatcggg gttcaccttc ctcacattca tttagagtca 120
cctgaagcgg cagctgctcc gcctgagcct gaccgcgcag atgagccggc acctgaagcc 180
aaggaagaag cagaatctgc gccagaggca gacggtagca agcagaaagc cgaagacgcc 240
gccaaccccg ctgagccoga gacgccagcg gctactgaag atgccgcgca agactcaccg 300
cccaggagcg gtgatgggtgc cgcagcggcg gtagatgaaa gtcctgcacc ggaaagcaaa 360
gaaggagaca gcaacgggtat gctttgggat accgaaatgc ataaaaagcc agctaacctc 420
attcccagag gatga 435

<210> 15630

<211> 786

<212> DNA

<213> *A.fumigatus*

<400> 15630

tggcgcgggt ccttccagcc ccgtgggtgaa gacgctgcaa gagcttttgt tgectcatct 60
tgcttgtcct cgactgggct ttctgctgca gcaggctctt ccgggggcttt ctcgtcagtg 120
gattctggct tcgctcgtttc gtctgcagcg atatcggtcg ttgcgccttc gggagctact 180
gcttcttctg aagtgttgtt ctccgcgcgc tcagtcggcg cggcaggttc ctcaagaaga 240
gggttcagggt cggtcttttt aggagcgggc tgctcctcgg taggaacttg tacttcagcg 300
acgggctgct ctgcttcggg tggtagtcg ctctgctctt cagcgggtcc gtccggggct 360
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tcaccctgtg cgggggcagc ttctcgttg tctggagtat ctgtaggtag gttctcattt 480
ccaatgtcaa tatcaacgtc atcaggaacc cctgctgcag cagctgctgc agctgctgct 540
tctgctcct ctctgctttt tgcattcttc tccgcttgcc gtgcgccttc cgtttttctg 600
gcctcgacct tatcgagctc cgcggatggg tcacattctg ggaaatcatc ctctgggaat 660
gaggttagct ggctttttat gcatttcggt atcccaaagc ataccgttgc tgtctccttc 720
tttgcttttc ggtgcaggac ttctcatctac cgcgcgtgcg gcaccatcac cgtcctcggg 780
cgggtga 786

<210> 15631

<211> 507

<212> DNA

<213> *A.fumigatus*

<400> 15631

gtgagttctc atttccaatg tcaatatcaa cgtcatcagg aacctctgct gcagcagctg 60
ctgcagctgc tgcttctgcc tcctcttctg cttttgcata ttctctcgct tgccgtgcgc 120
cttccgcttt ttccgcctcg accttatcga gctccgcgga tgggtcacat tctgggaaat 180
catcctctgg gaatgaggtt agctggcttt ttatgcattt cgggtatcca aagcataaccg 240
ttgctgtctc cttctttgct ttccgggtgca ggactttcat ctaccgccgc tgccgcacca 300
tcaccgtcct cgggcgggtga gtcttgccgc gcactttcag tagccgctgg cgtctcgggc 360
tcagcggggg tggcggcgct ttccgctttc tgcttggtac cgtctgcctc tggcgcagat 420
tctgcttctt ccttggtctc aggtgccggc tcacttgacg ggtcaggctc aggcggagca 480
gctgccgctt caggtgactc taaatga 507

<210> 15632

<211> 1359

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1209), (1284)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15632

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ggcgacgtac gcacaaaatc cgtctcacca gaggggttcac gtgaagcagt agatatgtca 60
atcaagtctc gcatttcgta tatectagat gacacattcg aacattctcg ttctcccagt 120
ttccattcat cgcctgtcac ggatgaacga gaggttacgg ccttgccgtt gaggcgaaat 180
cccgatgtca tcagacggca gcccgcgcgc cccctcaagg acagacatgt cgaatctact 240
gtcaagattg agtcagaccc ttccataaca gacagtaaaag attgtagcaa gcccacgac 300
gtgtttctct tcatagacag cattcgggtca tcttcgcctc ctgtgcaaac tccgagagaa 360
ctgggattta tgaccccgcc gcacgcgcgt caactaagca acccagccat gagtacacat 420
tctcctcgga cgctacttt tccagcagtt gcaatcgaga acgaggatgg cttcttcggc 480
tcttcccccta cccctggcac cagaggcagg gcacagggtg tcggctcaac cattccctcg 540
acgtttaacaa ctgagcgat ggatccttgt atgaatttcg atcctccctc ctctcctcca 600
ggtatacggc ctctcagtc gaactcacgc aatatagcaa cgccttcaaa tatccctcag 660
atgccttcag acgcagagaa agagaatatc cgtgcagttc tgactcaaga gaagacgacg 720
gtcaatgatg tcacatccga gtatactggt ctgggcaaag aggagcactg tgagactggt 780
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tcagaacctc ccatacaaca aaccacaaga aaaacgatac ggggcgttaa ggaagctgat 1200
gcaggtgana catcttctac tgcagagcgg cgtcgatctt cgaggctgtc gtcgacgaaa 1260
aaccatctg ctgttcgaag tacnagaatc catgagcact cgtggctcga gatccatgac 1320
cattccttct tcgcagaaca tcaagtcttc gcccgctga 1359

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<210> 15633

<211> 612

<212> DNA

<213> A.fumigatus

<400> 15633

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tcatacagta ctgcgcgctc tcggaaacag gctaagaaca aagagcttct ttcggaaagc 120
ttttccctta aaaaattaga ggccgatgca cctgattctg tgatggaaac acctgcagca 180
gaaattccta accagaatct gacttgtatt cgggagttga ccctggaaac atatgttcac 240
ggtagtaacc ttcccaagac gattacacct gacgcacgg tacagccaag caatagcagc 300
tctggtgata ccgagatggt cgaagcagag ccggcggcgc agccagagcc gacagacgat 360
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aaaatcatga tttccattc cgcacagact ggtaccttgg tcggccaaga aggcgtaata 480
tcctctttac gaagggtact tgatgatgtc aaatcaacca ccctgaactt atctgctctg 540
aaagagatcg acgacctcct attcgatadc cgggtggaaa tgcacgaagc actaagaaga 600
catgcagggt ag 612

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<210> 15634

<211> 459

<212> DNA

<213> A.fumigatus

<400> 15634

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ttcccccttg	ccaagctcag	tatctggagg	gcgctgcacc	gaggaaagca	agcacttggg	180
gcagagagcg	acgtcccggg	tccgatacctg	tgtctctattt	gcatggaaca	gctcagggat	240
gatgaggacg	tccggccgct	tccttgcgag	catattttcc	atccagagtg	cgtggatccg	300
tggctgacga	gatatcatac	ctcgtgtcct	ttgtgcagag	tcagcttggg	agaagatgac	360
ggcaagtggg	atctagagga	tgggaggcca	cctcggtctt	tgactctgcc	tatgcctccc	420
cagccggcgt	tgatcgggtt	tgcagggcga	ttcgggtaa			459

<210> 15635

<211> 267

<212> DNA

<213> A.fumigatus

<400> 15635

caagcccaac	gacgtgttct	ctatcataga	cagcattcgg	tcattcttgc	ctcctgtgca	60
aactccgaga	gaactgggat	ttatgacccc	gccgcacgcg	cgtcaactaa	gcaacccagc	120
catgagtaca	cattctcctc	ggacgcctac	ttttccagca	gttgcaatcg	agaacgagga	180
tggcttcttc	ggtcttctcc	ctaccctcgg	caccagaggg	agggcacagg	tggctcggctc	240
aaccattccc	tcgacgttaa	caactga				267

<210> 15636

<211> 309

<212> DNA

<213> A.fumigatus

<400> 15636

agccttggtt	gtatttccga	tgggccattt	gtgaatgggt	ctctggcatt	ttggcgatgt	60
attgtcgttc	aggtatcaaa	ggtggacgat	agcgtgtata	atgtcctact	tacctcagtc	120
gaggttaaca	ctgatgctag	aaaaagatgc	cgatctcgat	ttacatcgtc	cggacctctc	180
tacctcttga	accagcactt	ccctgaaaag	aaatggatga	aattctattt	atactatgaa	240
ctgtccagcc	cttttgcccc	gaccctgaa	gggcaacact	cagacagacc	aacctgcaaa	300
ccagactag						309

<210> 15637

<211> 1215

<212> DNA

<213> A.fumigatus

<400> 15637

ataagaatcc	ttgaagctga	cgcgcataaa	atcctgaacg	tcaacgatga	acagctaagt	60
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attgaattgt	gcagcagcga	ggtgtcttac	gactcgactc	tatgggtcaaa	ggtattcccc	180
aacatcatta	ggatcagctt	cgaaacctgc	ccgtttgctg	tgactttggg	acgagagatc	240
gtctgtgcga	ggctcgtcca	gatgcataaa	actataactg	ctctcgtcga	tagtccgcat	300
ccacctccat	atgcgcccac	tgacctgtct	caagctcgcg	cactgggcag	aagcaacatg	360
actgcggaaa	tccttataga	gcaatggaag	ctctatctag	tcattggcttg	tactacactc	420
aacagcgtgg	gtgcgcagtc	tcaaagtcag	ctcgcaaatg	cccaacatgc	gcgcaaatcc	480
tctaagggat	ctcagcagtc	gcaagataag	atcagctccg	ccagaagcct	ctttgctttt	540
gtgataccgt	tgttgctggc	tgagcgatcc	tctatacgaa	atgcaattgt	gatggcactt	600
ggctctatca	ataagaatct	ttatcgcact	tttcttgagt	ctcttcaata	cgcgtaacc	660
acatgcaatg	aggaagcgaa	aattcgcact	ggtgtctacc	atcgatcccc	gagcagcccc	720
agacgaaatc	ggaaaacgga	tcgcctgagg	acagaggtca	cgcacgtata	caagttgact	780
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<210> 15638

<211> 2130

<212> DNA

<213> A.fumigatus

<400> 15638

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<210> 15639

<211> 291

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (77)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15639

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gcatcgggga	tatgccagac	agacctgcat	ttcgcaggcg	cagagagcgg	attcggcgtg	240
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<210> 15640

<211> 954

<212> DNA

<213> A.fumigatus

<400> 15640

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<210> 15641

<211> 489

<212> DNA

<213> A.fumigatus

<400> 15641

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<210> 15642

<211> 921

<212> DNA

<213> A.fumigatus

<400> 15642

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<210> 15643

<211> 324

<212> DNA

<213> A.fumigatus

<400> 15643

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cgacactttc	gaagccacac	taaggagaaa	cctttcgaat	gtgcgcagtg	tggacgtcat	240
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<210> 15644

<211> 1590

<212> DNA

<213> A.fumigatus

<400> 15644

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<210> 15645

<211> 189

<212> DNA

<213> A.fumigatus

<400> 15645

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<210> 15646

<211> 1557

<212> DNA

<213> A.fumigatus

<400> 15646

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<210> 15647

<211> 1080

<212> DNA

<213> A.fumigatus

<400> 15647

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<210> 15648

<211> 1227

<212> DNA

<213> A.fumigatus

<400> 15648

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<210> 15649

<211> 555

<212> DNA

<213> A.fumigatus

<400> 15649

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ccgggaacag tctcgggaat atctgcttct gccaccgatg cgtctgcgcc tgtcgattgg 240
gagctgtggc agaaacttgt aaatgatggc ccgcaggcgc tcaaaggacc gaactcagaa 300
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ggcacggata aagaaaagca agtcacaaac ggtacagggg aacaggagtc cctggattca 480
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<210> 15650

<211> 282

<212> DNA

<213> A.fumigatus

<400> 15650

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gcgcgcacca gctattctcg gtactttgtg tcacaaggaa atcaagatgg tctgttcggc 180
ctgtgtaaag cctacgctct ctacgatgag gccgtgggat atgcgcaggg gatgaatttt 240
attgtcatgc cactcctatt caacgtaagg actcaaccct aa 282

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<210> 15651

<211> 588

<212> DNA

<213> A.fumigatus

<400> 15651

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ctggaagact gggagccagc cctgtactgt caccttcgcc ggcgagggtg tcatccccaa 180
ctttatgcca ctcaatggtt tctgaccctt ttgcgcctacc gtttcccgtt acaacttggt 240
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tcaattcttg agtcggggtt cttcggcagc tctggcgag cgacaagga ggtctatagg 480
gcggatatca tgggtcagga tgcttgtgga atttccctgg ccccgggaac gattagcacc 540
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<210> 15652

<211> 408

<212> DNA

<213> A.fumigatus

<400> 15652

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ctgttgacgc cagctttcat ggctgtcgct attctcacca ccattccacc tccgggtccc 180
acacgggtta tcgtcgggat gacagccttc acgtctctgt ggctctacgt gctcaccac 240
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tggatgctaa tgtgcctaac cggagcccc gaaatcgatt actaccagaa cagcaaaacc 360
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<210> 15653

<211> 1131

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1119)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15653

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tgtgtcccat	ctgctgctcc	acactcagac	aatcatcgca	ccatcgataa	cctcgtaaac	180
aaccacaatc	aacaacgctc	aatcatgtct	tcgactcatt	catctccgtc	tccattgtgt	240
acacaagctg	gggctactgc	aaactgggag	cgtctgcgca	agtcgtgtga	ttcatgtcag	300
gaagccaagg	tcaagtgcag	tcagcacaag	cctcgtgccc	atcgctgcct	tcgtcatcgc	360
caaccatgca	tctacagccc	gcagcgacgc	actggacggc	cacgaaagag	gcctaccctt	420
gacgggactt	tacattccgc	agtgaattta	gggagcgatg	aatatagggc	aataatcacg	480
gaggcgacta	gtcaaccgt	caacggccag	gacctcgtca	tggccgatgt	ccgcgggtgat	540
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agagatagcc	actcagactc	ctgtcatacg	ggctatccaa	ctgcctctcc	gtccgatgca	720
tgggggggatt	tatccctttt	cttgcccgat	tacaatacct	ccagtctatc	acatccggag	780
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ttgcgccagt	cgcttctctg	gagctctcgt	ccctcaattg	acgtaatact	ggaggtggag	960
agccacgagc	gccgtcttct	cgatcgagtc	ctgagctgcg	ccacgtgtct	cagtaatcgt	1020
tcgtctgttc	tctcatgtgc	ggtgattacc	gagcgcgtga	tccagatgct	cgactggatc	1080
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<210> 15654

<211> 291

<212> DNA

<213> A.fumigatus

<400> 15654

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acgtttgtac	gagacttgga	ccgactatc	aagagcagcg	ttctcgccgc	gattgtgacg	180
gccattgata	ggacttata	tctatgcatt	gtggctgggtg	cagtcaccct	gctggcgacg	240
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<210> 15655

<211> 1656

<212> DNA

<213> A.fumigatus

<400> 15655

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cacgagacta	gggcatcagc	atattctcca	gattgtactt	tctcaataat	gactgacctt	180
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gacaacacta	tcgtcgccaa	catccagccc	gccatcatca	aatcgctgaa	tggagtcgac	420
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gtcatttcac	agtgtgtctt	tgtcaatgag	gctgcgaagc	gtaagtgtgc	gttccccctt	1620
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<210> 15656

<211> 1683

<212> DNA

<213> A.fumigatus

<400> 15656

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atctgctatg	aatggcacgc	agacgagacg	atacgacaag	cgtctccgag	aattacaaag	180
aggtttcttc	ctcctgaaga	cacgttaccc	acgatgttga	ttccgttgac	caagacatcc	240
tcctttatgc	taatcacaac	gacttcaatg	gctgtctaca	agaataggct	tgaccacga	300
agacagccca	ctcgatatcc	tcttcctgtg	cctgatcgcg	aagctaaaaa	agcaccctcg	360
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<210> 15657
 <211> 1446
 <212> DNA
 <213> A.fumigatus

<400> 15657
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 cttgatcacg cagcgaagac ggttcctcga aggattgacg taccaggaag cgcaagcaag 180
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 gatgaagaat accactttat tgtcatcgga acagctagaa aacagcagca agaacgggga 480
 cgagtcattt ttctccaagc gtcccgcagc tcgtccgact cctcgaggat tgaatgctcc 540
 gtgaaatata tccataaatt tgagagtcct gtttatgcga ttgctccata cgggtgatttc 600
 acattgatgg tctcgacggg tcatgagatc gtaccattgg agcccaagct gtcacagaca 660
 cgtcgtgttc gagcagcgag gtacccaatg ctttccccag cgatttcctt aagctgccat 720
 gaaccttatg tatacatgtc gacatcgagg gagtgcgtga tgggtgctca atcctccgaa 780
 gacaaattgc tgctccatgc ttacgatcgt cagaagcatg atggactctc tcatattcac 840
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 tcagagaatg gtatcacaga caacgacaag atgatgccgg ttgctctgtg tgaagcacat 960
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 aacggcactg ctcaagccac tctggagcta ttcactgagc tgtccaacaa tctgctggga 1380
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<210> 15658
 <211> 531
 <212> DNA
 <213> A.fumigatus

<400> 15658
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 cccgaagagg atgacatggg tggcgggtctc ctcgctgccc tgaggaagaa caagaacaag 180
 aaggcaaaaga agggcaagcc ggtcaacgat ttctgcgagg gcgaggatgc gacagagcag 240
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 aaggagagag agaagcagcg taagagggag caggtatgtg ttgtgtctgg tgcactattt 480
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<210> 15659
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 15659
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gcgcctggca agaaaaagaa gctccccgcc catcttgccg ctattccgaa ggcacctgaa 180
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<210> 15660

<211> 2247

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (2115), (2133)

<223> Identity of nucleotide sequences at the above locations are unknown.

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gatgttttca	aatcctcagg	tatcagatgg	accccagaaac	ctggtcagca	cgacctgctg	240
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acggctgggt	acccgacctc	ttattctgat	ttcttgagtc	ccattgatga	cttttcgagt	360
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gatgagccac	gatccgtgga	ctcagaatcg	gcagccctct	ctcagccagc	cctggtcacc	540
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cgacgaaaca	atgaatccca	atcgattcgc	gagcagatac	tactatagt	cacggctccc	660
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<210> 15661

<211> 279

<212> DNA

<213> *A. fumigatus*

<400> 15661

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gagctcgtcg agatcatccg caagaacttc gatctccgcc ccggtgtcat tgtcaaggag 180
ctcgaccttg ccaagcccat ctacttccag acggccaaga acggtcactt caccaaccag 240
agcttcccat gggagaagcc caagactctc aagttctaa 279

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<210> 15662

<211> 1386

<212> DNA

<213> *A. fumigatus*

<400> 15662

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gaggctattc tggccgcaaa gaagatggat ttgaaatate gtgaaactct gccttcgacc 180
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<210> 15663

<211> 630

<212> DNA

<213> *A. fumigatus*

<400> 15663

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gatgtcttta cacttacaat tcccgaaatc tgcgagaaat ctcatggtgc accccctt 180
gggactttcc tttcgtccgc aaatggcgaa ataccaggct taatggtagt catgccgtac 240
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caaaaaaaca gtgggcttca aggtcatgta cctggcttgc tcccaagtga atatgttact 360
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cacattacct ttagggaatt tcaagggagg cccaccgtga tggccaattt tcttcggaat 480
tcaagcagca gtagtgggct actgaatggc ataaaaagcg tcttcagtgg tgggtgctgg 540
aagaaggatg tctctgcagt aaaaggctgc ccgttcgcac caacgagggc agcgggacat 600

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cattgttggc acaacgacag gagtgtttga

630

<210> 15664

<211> 183

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (7), (12), (38), (120)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15664

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tacattttgg	atggaaattt	tgctgtgtaa	ctccggcgac	ttatcagtaa	atttcgtacg	180
taa						183

<210> 15665

<211> 255

<212> DNA

<213> A.fumigatus

<400> 15665

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tctgccgacc	ttgcctggcc	ctatgccaat	ccatcttttg	actcctcgat	cttgggtcaag	180
atagcgaata	ctgtcccacc	atttaacggt	ttcaacacac	tgtctagaca	aaaggttttt	240
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<210> 15666

<211> 1257

<212> DNA

<213> A.fumigatus

<400> 15666

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aacaagattg	cacacagctc	tattctttcc	cggtttgtca	taccgtctac	tccagagatc	180
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gaagttggca	aaatcaacac	caaaggaggt	ggcgtttggg	ctcttagtga	tccccgagag	1200

ctggagaatg ttttgatggc gctgcaaaac actgaaattg acgtcttaac ccaatga 1257

<210> 15667

<211> 2229

<212> DNA

<213> A.fumigatus

<400> 15667

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aggagtcacg ttgccatcca tgacagccca gacttctctg gtcagggtct cgggtgaactc 180
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ggagcgacc 2229

<210> 15668

<211> 1485

<212> DNA

<213> A.fumigatus

<400> 15668

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aactatgtcg gtgccatcgc tggtcagctc gttgacgaga aggacgccga ggtcaccagc 180

tggaaccaga	acgctcttcc	ctacatcacc	gccatcattg	gtgaggagga	agccaaagcc	240
attgccgaga	ctctgcgcaa	gggtgcctct	cctggcgctg	ccgaggagga	tgccgttctt	300
tctgacgagg	aggagggtga	agatctctgc	aactgcacct	tctctcttgc	gtatgggtgcc	360
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gaggatgatg	agaaggccat	ggacaagatc	tacaagatcg	acggcacctt	gcgtcgtgtt	1440
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<210> 15669

<211> 654

<212> DNA

<213> A.fumigatus

<400> 15669

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atgagcaatg	acaacgcctg	gattcgtcgt	agcgagatta	tccagtccca	cgccaagatg	120
gtagccgagg	ttgaccagaa	ggaagccttc	gccagcggtc	agttccgtcc	catgggtccg	180
aaggagattg	aggccactg	tgccaacttc	gggtctcgatg	ccgaactcgt	ttctcactct	240
cgtatgcg	gtctgtccg	tggtcagcgt	gtcaaggctg	tcctcgccgc	ctgctcgtgg	300
cagcgtctc	acgtcatcgt	cctcgacgag	cccaccaact	atctcgaccg	tgactctctg	360
ggtgccctgt	ccaaggctct	caagactttc	gagggtgggtg	tcgttatcat	taccactcc	420
cgtgagttca	ccgagaacct	gaccgaggaa	gtctgggctg	tcattggtgg	caagatgact	480
ccttccggcc	acaactgggt	tcaagggtcaa	ggatctgggtc	ctcgtctgga	agacaaggaa	540
ggtcccaccg	aagttacgga	tgcctttggc	aataagagtg	tcgtcgagaa	gaagaagaag	600
ctctcaagtg	ctgaaatgag	aaagaagcgt	aaagaacgtt	tggccagaaa	gtaa	654

<210> 15670

<211> 342

<212> DNA

<213> A.fumigatus

<400> 15670

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accttcgttc	cagtcccgcc	agcggtctac	ttgtcctatc	ctccagaggt	aggtgagttg	120
accagtcttg	tcatgaacat	tgtgatacca	tcaaagccaa	agaatcccaa	ccaaagatat	180
cccgtaatgg	tctacgtaca	tggcggtctc	ctgctataca	gaggggcca	ccttccgatt	240
ttcgacgctg	tgaatctcgt	ctcccagagc	atcaaaatgg	gaacgccaat	catatgtgtg	300
aacttcaact	accgcgtcgg	ccctcggcgg	attcctagct	ag		342

<210> 15671

<211> 819

<212> DNA

<213> *A.fumigatus*

<400> 15671

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ttcgaatggg	gccagcggta	tatcgatgcc	ctaggtggtg	atccaaacaa	cgtcactgcg	180
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gagcagcatg	aggcgttggt	tgaggctgtt	tgctcggtatt	tccgaattga	ttctaccgg	360
tcggatgtgc	tggaccatct	cggacagatc	ccgcaacaaa	tgctggcaga	tgcaactccc	420
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atgtgcagag	atgcggtatt	caaaatcccc	aactacgcca	ctgctctggg	caactcgcat	780
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<210> 15672

<211> 906

<212> DNA

<213> *A.fumigatus*

<400> 15672

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tacggcatct	catccagagc	tccaatctg	gagacggatt	acaatcagca	caagtccaac	180
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<210> 15673

<211> 708

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (126), (182)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15673

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tatcanaaga	cgtacctgct	agatattccg	gtcccccgag	tccttctcca	gcattggggc	180

anaacaacaa	attggaaaac	tctctttact	gatttgtgcg	ccacggacct	tggggatgga	240
tcggccaacg	gcccgaagct	ataccttgtt	gttgagggtc	gtgtgccgga	gacgccgacc	300
gtaggcgccc	ctctccaatc	cagaccctca	gtttctcggg	gtagtctctc	ggctgcgaaa	360
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cggcaagaga	aagacgccga	gcagattgtc	aacatctggt	ctccctctc	gtggcttgaa	660
gagggcgagg	gccatgtgga	tgggtttgac	gacttggtag	gcacgctg		708

<210> 15674

<211> 261

<212> DNA

<213> A.fumigatus

<400> 15674

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ctggctgac	gttcacactg	gacgggcctg	aacacaaacc	tactcgatac	tacaggactg	180
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ttcattcatc	ggtattactg	a				261

<210> 15675

<211> 750

<212> DNA

<213> A.fumigatus

<400> 15675

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cttgtactcc	ttgtttcctt	gcttgaagtc	gatctgacgg	cgaatagcat	cgtacaagtt	660
gacttggccg	ttgatcatgt	tcgcccaggt	aggggcactc	gagttctacg	ctgtcagttt	720
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<210> 15676

<211> 411

<212> DNA

<213> A.fumigatus

<400> 15676

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agcacccttc	catgctcat	tttcacgaat	gtgtttggtc	tcggggagga	agtcaggcag	180
atgacccttg	tcgatctcgg	cctggcgatc	gatacggcgc	tgcgtgaggg	ctttccgggt	240
agggttgaag	gtgcgggtgga	ggatggcgag	gaaagcgcaa	gcttccttgg	tgaggatctt	300
gcgatgctcg	ttgttcacgg	cgcccaggat	ggcgacatcc	ttgagctgta	cttcgatttg	360
gctcatgttg	atattgtctt	ttgcaatgat	caatggctgg	ggatgaggtg	a	411

<210> 15677
 <211> 585
 <212> DNA
 <213> A.fumigatus

<400> 15677
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 cattgtgccg cctacagact caacttaccg tcccaggaaa tctcgtcaac catgtccgcg 120
 tccacgtctt cctgcaaagt gaccctcgag aacgtcgccg agatcctgaa aaatgacacc 180
 aaggtcaagc tggcaggtgt cgacgtggac ggccagctgc gcggcaagct catctccaag 240
 aagaaattcc tctccatgc ggctgacggg ttccgattct gctccgtgat ttttggtg 300
 gacatgcacg accggacata ctttaaagag ctggcgatca gtaataagga gaatggatac 360
 cgggatcttg tcgcagtgcc tgatctgagc agctttcgcc gaatcccctg ggagaacgat 420
 gtccctttct ttcttgcag ctttttcgat ccggagacga agggccctgt ctgtgcttgt 480
 ccacgggggc tggtgaagac ggcgctcagt aaggtggagg cagcgggata ccgtgctatg 540
 gccgggggta ggtcgattgc tctacttgat ttcccaggac cttga 585

<210> 15678
 <211> 780
 <212> DNA
 <213> A.fumigatus

<400> 15678
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 gccaaaccac gcgaaggcct gcccggaac agcggacaca tgcataatctc gctgggttaca 120
 gaagatggaa agaatgcttt cctccgccg acacctgac catccccgcc ctaccagac 180
 gtgcacacac tctccgatct aggaagacac ttcttggcgg gtattctaac gggccttccg 240
 gatatcatgc ctctttttgc accaacgatc aactcataca agcggctggt ggagaacttc 300
 tgggcccccg tcaccgtatc ctgggggtctg gagcacccgg cgccttccat ccggtgatc 360
 accccgcccc cagccagcgc gaaagcaact cgattcgagg tgcgcgtgcc cgggtgcagac 420
 gcgaaccac actttgtcct agccgctatc gtgcggttgg gttggcgcgg tgcgagaag 480
 aagctggaaa tcccggctcc gcctctgtct aaggacgagg acatgggtgg tgccagcgat 540
 caggggggtcc gactggccaa aacattgaag gaggcgacag ttgcattcat gcgcaaggaa 600
 agcgttgca gaaaggtatt tggcgatcaa ttcgtagatc actttggggg gacgcgagaa 660
 catgaggtgc acctgtggga ggaagcgggt actgattggt ttgtgttccc cgcgtgatg 720
 acgacagggg tgatgctaac gcaggacagg gaggtgcggc gatacatcga aacggtctaa 780

<210> 15679
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 15679
 atccttctat ttgtctctta tcgtcagtct gaaacagata ccccgtttgc tcccgagagt 60
 gtatcaaato ggaatggggc ccggaagcta gagctctatt ctctagctac aggttatac 120
 atgcagccag tcattctcac atgccacatg ccaaccctca agatcgcaat gtcgacagtc 180
 agtagatgga acatttga 198

<210> 15680
 <211> 420
 <212> DNA
 <213> A.fumigatus

<400> 15680
 tgtcaccatg actgtgccat tcatggacgc ctatgtgaag ctgctcatca agacttgcca 60
 ccgcccgtgt gttcacgcta tggtaagttt ttcgctctct gcctgatcaa ccgacgagaa 120

actgacagtc	ccagggtggt	atggctgctc	agatccctat	caaggatgac	cctgtcgcca	180
acgacaaggc	catggagagc	gtgcgcgccc	acaagctgcg	tgaggtccgt	gccggccacg	240
acggtacctg	ggttgctcac	cccgtctctg	cctccattgc	ctccgaggtc	ttcaacaaat	300
acatgcctac	cccccaaccg	ctgttcgtcc	gccggcagga	cgtcaacatc	accgccaacg	360
atctgtctca	caccaacgtc	cctggcaaga	tcaccgaaga	gggtatccgc	aagaatttga	420

<210> 15681

<211> 282

<212> DNA

<213> A.fumigatus

<400> 15681

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cggaaatgct	ccgcgaccgc	cgcctttctc	caaaagaacc	ctgttgaagc	gttgccctgcg	120
ctgacggagg	gtatgtttgg	gtatagtctt	actcgcccg	tacataatca	ggagtactac	180
tacggcatat	tcgacgcatg	cgagcagttc	aactcgcgaga	ttgagggatg	gcacacggaa	240
agcggggcgg	gtgtatttga	ggcagtgagt	gtccttggtc	ga		282

<210> 15682

<211> 477

<212> DNA

<213> A.fumigatus

<400> 15682

tttctctcct	tcttcttctt	gaactttatc	tgggtggctt	ttcttcatcc	atcacctcat	60
ccccagccat	tgatcattgc	aaaagacaat	atcaacatga	gccaaatcga	agtacagctc	120
aaggatgtcg	ccatcctggg	cgccgtgaac	aacgagcatc	gcaagatcct	caccaaggaa	180
gcttgccgtt	tcttcgccat	cctccaccgc	acgttcaacc	ctaccgggaa	agccctcacg	240
cagcgccgta	tcgatcgcca	ggccgagatc	gacaagggtc	atctgcctga	cttctctccc	300
gagaccaaac	acattcgtga	aaatgacgca	tgggaagggtg	ctcctcccgc	tcccgggtctg	360
gttgaccgtc	gcgtggagat	cactgggtccc	acggaccgca	agatggtcgt	caatgtctctg	420
aatgcggacg	tctggactta	catggcggat	ttcgagggtg	agtcacttga	catttaa	477

<210> 15683

<211> 330

<212> DNA

<213> A.fumigatus

<400> 15683

aaagacaaac	tgacaggcgt	agactcgagt	gcccctacct	gggcgaacat	gatcaacggc	60
caagtcaact	tgtacgatgc	tattcgccgt	cagatcgact	tcaagcaagg	aaacaaggag	120
tacaagctcc	gtacagaccg	cgccttctcc	accctgattg	ctcgtgctcg	aggctggcac	180
cttgaccaga	agcactttac	tgtggacggc	gagcctatct	ctggcagctt	gttcgacttt	240
ggtctttact	tcttcacaa	tgccaaggag	cttgttgctc	gcggccacgg	tccttacttc	300
tacctcccca	agatggagtc	ccacctctag				330

<210> 15684

<211> 234

<212> DNA

<213> A.fumigatus

<400> 15684

catgtgcaga	tatatctatga	actgcgtgat	cacagctccg	gtctcaactg	cggccgctgg	60
gattacatct	tctccttcat	caagaagttc	cgcaagcacc	ccaactttgt	ccttcccgac	120
cgctctgatg	tcaccatgac	tgtgccattc	atggacgcct	atgtgaagct	gctcatcaag	180
acttgccacc	gccgtgggtg	tcacgctatg	gtaagttttt	cgtctctctg	ctga	234

<210> 15685
 <211> 489
 <212> DNA
 <213> A.fumigatus

<400> 15685
 cagtcccagg gtggtatggc tgctcagatc cctatcaagg atgaccctgt cgccaacgac 60
 aaggccatgg agagcgtgcg cgccgacaag ctgcgtgagg tccgtgccgg ccacgacggt 120
 acctgggttg ctcaccccg ctcgcctcc attgcctccg aggtcttcaa caatacatg 180
 cctacccccca accagctgtt cgtccgccgg caggacgtca acatcaccgc caacgatctg 240
 ctcaacacca acgtccctgg caagatcacc gaagagggtg tccgcaagaa tttgaacatc 300
 ggtctttcct acatggaagg ctggctccgc ggtgtcggct gcatcccgat caactacctg 360
 atggtatgcc ttttcacgtg gactttgact actttcatcc ttgctaactt ccgagtaaga 420
 agatgccgcc taccgccgaa atgtcccgtt ctcaactctg gcaattgggt gcaccaccag 480
 gtcaccacc 489

<210> 15686
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 15686
 agccggtccc agtctccttc cctcccacga tcagtcaacc cccatcctac ccaaagacag 60
 caccaggata gctggctgtc atttcctctc cactactccg tgtccatctc ttccctgaag 120
 aagcctgcga ctgcggcgcc cctcattggc aacgcctcagc tcttcctctg gaccttgta 180
 cctgccaaagt ag 192

<210> 15687
 <211> 348
 <212> DNA
 <213> A.fumigatus

<400> 15687
 ggcattcgac gcctgatcga caagtatggc ctcgatacgc aagttcggga taacactcct 60
 gtctacattg aggacatggt ccccttttaat gagaccatcc tccagacacg ggaaaagcga 120
 ttccatcttg gtttccaacg catcctgctg tgcttctatg tcatgatggg cttattcaca 180
 gtcagtcgga aaggtgctat gctgcacctt cagtacaagc atttggtggt aactctgcag 240
 aagaacccgc acggaggacc cccagtaccc atggttgatt tccggggcga gttcatcaag 300
 ggttttctgg gaatgaaaga gctgtatgtg actatacatg gaccttaa 348

<210> 15688
 <211> 225
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (33)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15688
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 caccacaact atatatagaa atcatctaata taccttaaga actatTTTTT gtacctggg 120
 agcatttaca ggcatttgcc caactgttcc cattatcggt acgagattgc accctTTTTT 180
 ttgggtttcc tcattaacct aaacacccaa ctcccttttc tataa 225

<210> 15689
 <211> 453
 <212> DNA
 <213> A.fumigatus

<400> 15689
 tggacactca gtggctccag cctcccggat gaccaaggtc ctcccttcgcc acagcgaacc 60
 ttacctctcg ttgtacagta tctcaagga aagggtattct cgccgtatat tctacttcat 120
 gacgtatgca attactctct tacgttttat gaccgacgac taatgaaatt tcatagctta 180
 aatttcacct ttatgctggt ccaattatct tacgggttca tcaactgggtc cttgggactg 240
 ctcaagtaca gtatacacat gttcttcgat tgccttgcaac ttgttggttg cttttgtgct 300
 gctgttatga gcaagtggcc gtcaagtgcc cgggttcctt atggctatgg aaagggtgat 360
 accctttccg gatttgccaa tgggaatcttt ctcatgtacg atttgaacc acccttcaat 420
 gagtctaaac ctgacaatta cccaggatca taa 453

<210> 15690
 <211> 432
 <212> DNA
 <213> A.fumigatus

<400> 15690
 cgagaaggtc aaattggaaa aaaggataacc atgtcaacgg ggccctcccat gtctagcctg 60
 gatacacagt tccccgcaac tcatggacat ggattcggac actcccgagg ccatggccac 120
 tctcgctcaa agcgttggac acaacctcca gtaggccagt cgctgtcttc tttgaatggg 180
 tctgcgactc cagtgcgaac ggtcctgcct tctgtagacg cagtctcacc caatggctct 240
 gcggttagggg cgttatcgca caatcatcac cactcgcact cgcactcgca tgggtggagcc 300
 aaccacccag ggagctgcga ccacggacat tcagggcatt atcatccatc cgaaaggaca 360
 gaagatgcta cagaattgcg cgcgcgtgct gttcctgtca tctctaccga ttttacgcc 420
 agcaccaagt ga 432

<210> 15691
 <211> 1227
 <212> DNA
 <213> A.fumigatus

<400> 15691
 ctgacttatt cttctagtgc cgaactctta tcaggactgc taaccactct cccctggatc 60
 gccttgctgt ggtactacaa tcaatatgcc aatcggaaact cagatatcga tatcgccaac 120
 acggacaaaag ttgaccgcaa cacgttggcc ggaggaggatc tggatcaggt ggttctaagg 180
 acctgcagcc tgacagctgt ctctatgggtc atgacgggtg tgggacaact tcaatgggtc 240
 tcaaaagctg ggaacaaatc cgcgggtcaag gttccaaatc tgagggcaga tttcgcaggt 300
 gtacgccttg ctgcataatt ctcgattgctg ctacctatat acgcagcgtc cgaagttagt 360
 gggtttcttg tctcattggg cgtgcttctt gcagcggcat cagggttgcc cgctcttgcc 420
 aaaggccgag ccgctggcag cgacactcgc gaaaagctgg ccataagag gttcacagtt 480
 gctctgatac ttacaattct ggtgttgagc tttttcggct ggggttggtc ttatgattcg 540
 aggtcgtact tcggacatct cgccttggtt ctgtccatct ttgtcatgcc tccccattc 600
 gcagatgtcg gccagtcttc gtctcggggg acaggttttg gtgtctccgc ttcctcgaaa 660
 tcagacgctt tagcaaggcg gatttcggga tcaactctct tegtctcacc ggacgatggc 720
 atattgacct tggtaactcg gctcgtcgtt gggctaactc gcttcgttct cttcgggtatt 780
 cttccctgt cggcattgga tgcgatgtac ctactggtgg cagccggtag ctacgcgaca 840
 tccttactct tttcaagccc gcccatctct cgttcaactgc acaagtgggg tctcgtaca 900
 ggtattgtcg cagcaggact tctttctctc ccaccgatag ctgctgataa tagagtgggtc 960
 tatgcatccc ggtgcacgct ggcgggtgat tctgtctttg cctctcgggt tcatgaccgc 1020
 cggctacgcc ttgagcgcca ttctcaccac aatcaacatc atgatggaca ctcaaggct 1080
 ccagcctccc ggatgaccaa ggtcctcctt cgcacacagc aaccttacc tctgttgatc 1140

agtatcctca aggaaaggga ttctcgccgt atattctact tcatgacgta tgcaattact 1200
ctcttacggt ttatgaccga cgactaa 1227

<210> 15692
<211> 189
<212> DNA
<213> A.fumigatus

<400> 15692
ggtcgttata gcacaatcat caccactcgc actcgcactc gcatgggtga gccaaaccacc 60
caggagagctg cgaccacgga cattcagggc attatcatcc atccgaaagg acagaagatg 120
ctacagaatt gcgcgcgcgt gctgttctctg tcatctctac cgatttttacg cccagcacca 180
agtgagtga 189

<210> 15693
<211> 351
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (321)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15693
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ggaagtcaga tgcacgact ggggtgaattg ttggccgca gcgttgctgg tctgggtggtg 120
aatcttgctg gtatcatggc atttgaccat ggccacgcac accacggtca cgatcatggt 180
cattcacact cacatggaaa tgagaatatg cacggtatct tctccatat tctagccgac 240
acccttggct ccgtggcggg tgtgatatcc accattcttg tgcacttgctc aggatgggca 300
gggtccgaca caagcctctc ntcaacgagc cgggagtgga aggcactggt t 351

<210> 15694
<211> 480
<212> DNA
<213> A.fumigatus

<400> 15694
gtacgaccgg gaatcgagaa gatcggacac ttgttgaagt attcggagaa cttttcggca 60
tccagagtgg ctgaagtaac aatgagctctg aggtcggggc ggcttttgat tgtcttcttc 120
agtagcccaa aaagaacgctc agtagcgatc gtccgttcgt gggcttcgctc cgaccggatc 180
agggaatatc tcttcaggtc agggtcgagt aagacctctc tttggagcat tccgtcggtc 240
atgtacttga tcttcgtttc cggactcgtg cagtcttcga agcgaatcgt ataccgacc 300
tctgcaccta gctgcagcc aacttcctcc gccacacgtg tggcgacaga catggccgcc 360
acacgtcgtg gttgtgtgca tccgatcata ccgttggttcg cgtacccagc ctccgccagg 420
tactgtgtca cttgggttgt ttttcctgac ccagtgttcc cgacaacaat caccaattga 480

<210> 15695
<211> 1605
<212> DNA
<213> A.fumigatus

<400> 15695
cgttctttttt gggctactga agaagacaat caaaagccgg cccgacctca gactcattgt 60
tacttcagcc actctggatg ccgaaaagtt ctccgaatac ttcaacaagt gtccgatctt 120
ctcgattccc ggtcgtacct atcccgctga gatcatgtat tcgaaagagc ccgagcccca 180

ttacttggat	gcggttctca	tactgtcaa	gcagattcat	tagacagaac	cacgtggaga	240
tatttttacg	ttttgaccgg	acaggaggag	atcgacaccg	cgtgtgagat	attgtatgaa	300
cgaatgaaag	ccttaggcaa	gggtgtccct	gagttgatca	ttcttccggt	ctattctgcc	360
cttcctagt	agatgcagag	caggatcttc	gaaccagcac	ctcccggcgg	aaggaaagt	420
gtcattgcga	caaacattgc	cgaacatct	attacgatag	ataatatata	ttatgtcatt	480
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acaatccctg	aaatccaacg	tcaaacctg	tgcatacca	ttctcatgct	caaggcaatg	720
ggaatcaatg	acttgctaca	cttcgacttc	atggaccocac	cgccgacaaa	taccatgctt	780
acagctttgg	aggagctcta	tgcgctttcg	gctctggatg	acgaaggctt	tttgaccagg	840
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tctgtagaca	tgggatgctc	agaagaaatg	ctgagtattg	ttgctatgct	ctcgattcaa	960
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aaatttaata	atgcgtgggtg	ttacgagaac	tttattcagg	cacgtcaa	acgccgcgca	1140
caagatgtac	gccagcagct	actgggcatc	atggagcgat	atcaccataa	gatcgtgtca	1200
tgcggtaggg	acacgaagaa	agtgaggcag	gcgttggtga	ctggattctt	tcgaaatgca	1260
gcccggaaa	atcctcaaga	gggctacaag	acattgggtg	aaggaacacc	agtctacatg	1320
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gagcgtatcc	aacccttgca	caaccgcttt	gcaggagagg	atgattggcg	tctttctg	1560
caacggcgcc	aggggaagggg	tgggtggtgga	ggtacttggg	gttaa		1605

<210> 15696

<211> 1677

<212> DNA

<213> A.fumigatus

<400> 15696

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agcagagcag	ggaggccccc	tgatcgggac	gaagatgacg	actatttccg	caagcttccg	120
ccagtcagagt	tggacgaaca	gcccatcctc	tacaagatct	atgacggg	tgtaaactgg	180
gtcaaagact	ttggtgcctt	tgtgaatctc	ttgggggtaa	agggcaagt	cgacggttt	240
gtacacgttt	ctgcaatgca	ggaaggggca	cgggttaatc	acccctctga	cttgggtgtc	300
aggggacagc	cgggttaagg	caaagtcatc	agtatacaag	gttcgcgc	tggctcttct	360
atgaagggaag	tggatcaagt	tactggcctt	gatctcgctc	ctcagaagcg	cctcgcatcg	420
ggtgcccaaca	tggagcgctt	cgaagggtgt	tcgggcaagg	acagatacgg	aaatttgagt	480
tcagaagtgc	cagtcataga	agattcaa	gggaagccga	tgagaaaccg	gaaacgattg	540
acttctcctg	aaagatggga	aatcaa	cttattgcat	cgggtgctgt	ttctgcagcc	600
gactatcctg	atcttgacga	agagtacat	gccacgttga	cgggagagg	tacattcgag	660
gaagaagaag	atattgat	tgaggtccga	gacgaagaac	ctcccttcc	ggctggccag	720
acgaagatgt	ccctggagct	ctctcccatc	agagtcgtea	aggctcccg	cggctccctt	780
aaccgtgctg	caatggcagg	taccaacttg	gccaaagaac	ggagagaact	acgtcagcaa	840
gaagctcaag	ataaggctgc	ggaacaagcg	gccgagattg	atctcagcgc	acaatggcaa	900
gatcctatgg	ctgcgccaga	ccagcggaaa	attgcagctg	acctacggag	tgctcaacct	960
aagtcggacg	atgcggtgcc	cggagtggaa	aaaatcacta	tgggcaaaaa	tcagtccttt	1020
ggcaagagaa	cgaatatgtc	aattaagcag	caggagagaga	gtctcccagt	ttttaagttc	1080
cgccaacaac	tactcgacgc	tgttcgcgat	aatcaattgg	tgattgttgt	cgggaacact	1140
gggtcaggaa	aaacaacca	agtgcacag	tacctggcgg	aggctgggtg	cgcaacaac	1200
ggtatgatcg	gatgcacaca	accacgacgt	gtggcgccga	tgtctgtcgc	cacacgtgtg	1260
gcggaggaag	ttggctgcag	gctaggtgca	gaggtcgggt	atagatttcg	cttcgaagac	1320
tgcacgagtc	cggaaacgaa	gatcaagtac	atgaccgacg	gaatgctcca	aagagaggtc	1380
ttactcgacc	ctgacctgaa	gagatattcc	ctgatccggt	cggacgaagc	ccacgaacgg	1440
acgatcgcta	ctgacgttct	ttttgggcta	ctgaagaaga	caatcaaaag	cgggcccagc	1500

ctcagactca	ttgttacttc	agccactctg	gatgccgaaa	agttctccga	atacttcaac	1560
aagtgtccga	tcttctcgat	tcccggctgt	acctatcccc	tcgagatcat	gtattcgaac	1620
gagccccgagc	ccgattactt	ggatgcgggt	ctcatcactg	tcaagcagat	tcatttag	1677

<210> 15697

<211> 918

<212> DNA

<213> A.fumigatus

<400> 15697

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ggcaaggctg	tctcggagat	gatcgccctgg	atcaaaagcc	agaaattgat	cgctccccgg	120
atgaaatatg	ccccacggtt	ctatcgaaat	ctcgaagagg	ctctggatgt	acgccggctc	180
acgcagtctc	tgatgacccg	aggacaaagc	acatggaaga	caggagacgc	gatagacttc	240
tgctccaatg	atcttctctc	tctcggactc	acgggggaac	tgccgcccga	gttcctggcc	300
gagctggcaa	gacatcccga	tttctcgtct	cattccgggg	gttcgcccgt	gatgggccc	360
aactacgact	atatcgaggc	ggttgagcag	gagattgccg	acttcctcgg	ggccgagacg	420
gcgctcatgt	tcaactcggg	ctccaacgga	aacattgcc	tttacacggc	gatccccgg	480
cccgagacg	ccatcgtgta	cgacgagctg	gtgcacttca	gcacgcacac	gggcatggcc	540
gcctcgtctg	ccacgaccaa	ggtcgccttc	cggcacaaatg	acctggacgc	ctttcgagag	600
gccatgtctc	ccaccatgga	ctcccattccc	atgctccagg	acgggtcacg	ctcgatcctc	660
gtgtcggctg	agtcgggtga	cagcatggat	ggcgacgtgt	gccctctggg	ggagatgctc	720
gagattgcgc	gggagatctg	tcccaagggg	aacttcgcct	tcattgcgga	cgaagcccat	780
gccactggag	tcgtggggcc	tagaggcgct	ggctcgtca	agctgctggg	cctggaaaat	840
gaggtcgcaa	ttcgcctgaa	tacctgcggc	aaggcccttg	cctgtactgg	atgtaagaac	900
caatcgcccc	ggcagtaa					918

<210> 15698

<211> 1656

<212> DNA

<213> A.fumigatus

<400> 15698

aaggaggcgt	gtgctgcgat	tagtcgaggg	gactgtggat	cggctatggt	gggcccgcgtc	60
aatctgattc	tcgcacctgg	aatgtccatg	gcgatgcagg	aacagggggg	tctctatagt	120
gacggctcgt	gcaagacttt	ctcggctgac	gccaatgggt	atgcgcgtgg	agaggcagtg	180
acagcgattt	tcatcaagcc	gttggcggat	gccctaaggg	atggcaaccc	aatccgtgct	240
gtcgtgcgag	ccacatccca	caacgcggac	ggaaagaccc	ccacactgtc	gcagcctagc	300
acggacgcac	aagaggctct	gatgagaaga	gcgtacgagc	ttggagggat	tactgactac	360
gcggagaccg	ccatggttga	atgccatggg	acaggtagac	cgactgggga	ccccatcgag	420
gcagccgctg	tgcccgggt	gtttggagac	aaaggcgtct	acattggatc	ggtcaagccc	480
aatctcggac	ataccgaagc	tgccctccgg	cttgtatcac	tgctgaagat	ggtgaaagca	540
ctcgagcatc	gcgtcatccc	gccgaatatc	aaattcacca	gcccacaccc	aaacattccg	600
ttcgcggagg	gtaagctgac	ggtccctacc	gatccacttc	catggccgaa	ggacagactt	660
gaacgggtca	gtgtgaattc	ctttgggatt	ggtggcgcaa	acgcgcgtgt	cattctcgaa	720
tctgccgcta	cgtataacgt	ccccgttgcg	gttcacgaaa	caccggagac	gccgcaactg	780
ctgttggtca	cggccaactc	gtcaaagtcg	atcacgagga	tgatcgacgg	ctacaaggca	840
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gagcatttgc	cgcaccgagc	ttttgccatc	ttccgtaatg	gtgtgctgga	aagcgtttca	960
cagcctgcca	actccaaggc	tgccaagccc	ccgagcgtcg	tgatggtctt	caccggtcag	1020
ggcgacacat	ggccccagat	gggacgggac	ctgctgcggg	cgaacgacgt	gttcgggtcc	1080
agcatccgat	tgctggatca	acacctgcag	accattgctg	gggagaagcc	gcagtactcg	1140
atcgaagagg	agctcaagaa	accagccaag	aagagccgtc	tgctccttgg	cgagttctct	1200
caaccacttt	gcactgctgt	tcagattgca	ctggtcgaca	cgctcgcgtc	tgccgggaat	1260
caccagacgc	cagtcgtggg	ccactccagt	ggtgagattg	ctgcagcata	cgccgtcggg	1320
gctctcagcg	cgggagaggc	catcacccgt	gcccataccc	gtggagcagt	gacgagccgg	1380

cagaagagag	tcggaacgat	ggcggctatt	ggaatgagct	gggcggaaac	cgaaaagtac	1440
cttgtcccga	acgtcacgat	tgcctgtgac	aactcaccce	ggagcgttac	aatctcgggc	1500
gacgtcgacg	ccgtcaagtc	ggtgggttgc	gctatcaagg	aggcacagcc	gcagatgctg	1560
gctagactgc	tccaggttga	caaagcctac	cactcgtacc	atatgaaaga	gatcggcgag	1620
gattaccagt	cccttgatcc	ccggttttca	ccagtc			1656

<210> 15699

<211> 699

<212> DNA

<213> A.fumigatus

<400> 15699

aatcaaaatg	cagagatgat	ccgccaggtg	acagactgcg	aggcaagcac	cttttacgtt	60
gaattcacat	caatgacgat	ggacgaaagt	accggcacca	atggccacgg	ggtaacaatg	120
ggctcgaata	cgaccaatgg	ggctacccct	aacggtgtgt	acgctaacgg	cacgaatggc	180
actttggccc	atggggtcct	tcgcggtgct	caagtgccca	tcgccatctg	tggtatggca	240
tgtcgtctcc	ctggcggttt	gacgacgccc	gacgagcttt	gggatttcct	gctcgcaaag	300
aaagacgctc	gatgccgcgt	gccgcactcg	cgctatgaca	tcgactcata	ctactcggat	360
acgaagaaac	cagggacggg	ctcgaccgag	tatggatatt	tcctcgacga	gagcgtcgac	420
gtcggagcgt	tggatacgtc	gttcttctcc	atgacgcgga	ccgaagtcga	gcgggcccac	480
ccccagcaac	ggctgatgct	ggaagtcgca	cgcgaggcct	ttgaagatgc	cggcgtgaca	540
cactggagag	gcaagactat	cggcacgtat	ataggcaact	ttggagaaga	ctggctggag	600
atgtttggga	aggagaccca	gccatggggg	atacatcggc	aattcccgtt	caaggaaaac	660
tttgtcgtgg	gcgaatccgg	ctctcgttac	caattttga			699

<210> 15700

<211> 231

<212> DNA

<213> A.fumigatus

<400> 15700

ccgcggccgc	acgccatatt	tcagctcaca	aatctcccca	acgaaatctt	cgcagacctt	60
cactatgcga	gccggctgaa	gggcgggtgc	aatcacacct	atataattcg	acgggaccgt	120
gttctcagac	gacttctctg	ttctggaacc	gacatcaact	actggctgcg	aggcaaagtg	180
aagggccaga	tggtgctctg	ctataagccg	ggtgccaatc	ctcgcctcga	g	231

<210> 15701

<211> 207

<212> DNA

<213> A.fumigatus

<400> 15701

atattgttggc	agaatagcgt	catctttctc	aacctacaca	agtgtacaca	acctgaaaag	60
aagcttgatg	actatgttac	ggttcctttt	ttctacattg	tgtatgactt	gcgcgggttg	120
gctgtaaaca	ttcatctgat	taccgcgaat	gacaacatca	ttgcaatctc	tattgctgta	180
acataataacg	cagacgtttc	agcatag				207

<210> 15702

<211> 846

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (805)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15702

cccactctgt	cttctacag	acacggacgc	ccgcctttgt	caaaagaggc	gctactcgcg	60
tctgcgaatt	tcacactatc	ccttctacct	gcccgcactgg	catctcgat	acaggcggtta	120
cgaaacctcc	cttttatcgt	cgtttcaaac	ccacacatct	cgaagatcta	taacaattac	180
gtccactcct	tatcgactct	tctgccttat	cagcaacgga	aggtcaccac	gctggaagag	240
gagaataagt	tcgcagatgt	actggcggac	ctagtgcata	cgattcaaa	taccataccc	300
atactggcac	gggggtttct	tgaatgcagg	aagtatatca	gtgcagccga	tgtgactcga	360
ttcctagaca	cccatctacg	agcgaggatt	ggcacccggc	ttatagcaga	gcaacatctg	420
gcccttcaact	ttgcctcgca	gccagtaagt	gatgtcgggt	ccagaacaga	gaagtcgtct	480
gagaacacgg	tcccgctgaa	ttatataggt	gtgattgaca	ccgcccttca	gccggctcgc	540
atagtgaagg	tctgcgaaga	tttcgttggg	gagatttgtg	agctgaaata	tggcgtgcgg	600
ccgcggctaa	agattggggg	acaagccgac	gccacgtttg	cgacgtacc	tgtgcatgtc	660
gagtacatca	tcaccgagct	tctgaaaaat	gcttttcgcg	ctgttattga	gtcgggaaac	720
gaacgggagc	ccattgaagt	cacgattgcg	gcggctccag	acgtcccgcg	ccatcaagtt	780
cacaatgtgc	tcggaattaa	gtcanatgcc	tcaggatatct	accctgatgc	cgatgtttgg	840
ctttaa						846

<210> 15703

<211> 786

<212> DNA

<213> A.fumigatus

<400> 15703

cagcggtttt	cagcgagcac	atccataata	atgtctacat	ctcgtcggcc	tccaccagcc	60
tactctgccg	ctaaggattc	agcagtgtat	ggcacgtccc	aagtctatag	gaaaatctcg	120
gagagtgcct	ccagcgaatc	tggaggatt	ctcgagacat	cattcactat	ccgtccctgc	180
tccggacagg	cctgggtggt	gccagcgggg	catatttgtc	gactgactac	acccaaagga	240
ccgcaagtgg	gcgatctcaa	catttgggaat	gcgaataatc	ctcgagagcg	actttgggct	300
gcccgcacgc	gtcaaattca	cgcttcccat	gtgtcagtcg	gtgaccgctt	gtggtcaaac	360
ctgccaatc	tacgacctct	cgtcaccata	accggagact	ctctgaatgg	tgggcaattg	420
catgaggttt	tgggaagtcaa	cgggcaacgg	aaggagggtg	ttggctttgg	tacatcaaaa	480
tggggtggac	gtgttcatga	tttgcctcga	acaagatgtg	atccctacgt	caatttgctt	540
atgggtggag	aaacctttga	cttccactgc	cactcgaact	tgacacgcgc	agtcatgcct	600
tatggcttga	ctgaattgga	tgtgcacgat	gtgcttaacg	tctttcaagt	aacgggtctg	660
gatgagcagg	gaaagtactt	catggagaca	tcgccagcta	agcctggaga	atactttgag	720
ttctttgccg	aagtagatgt	gctctgtgca	ctgtcggctt	gtcctggagg	tatggttcca	780
tgttga						786

<210> 15704

<211> 975

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (883)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15704

ataattgcgc	caggttcgca	agtgaccctg	gcgcagctcg	gtcttccaga	gtcctttact	60
cctgcacgat	ttcgcttccc	cacgcgcgat	ttccctggcg	agaagaaggg	cgaatatgaa	120
ccatataaga	ttcacgaaaa	gcgacgcgat	gttaaacctc	gcaatggctc	cgacgcgccc	180
aaggaggacg	tggagatgaa	ggatgcggaa	acctctgcgc	ccgagggtgc	agcggacact	240
gtgacggatg	agacgccaca	gaccacggaa	accggaggcc	aaccggagaa	tggagagccg	300
catgaaaaaca	atggcgaagc	agtgcaggag	actacacagg	aggtgttcta	tgaagaggat	360

gttacatcgg	atgaaggcgc	gattttatcct	atcgaaaacg	gacggattgt	cgattggcct	420
gccttttttcg	ccctcttaac	acatgtttac	aacacactta	gcccgccttt	ccacacacca	480
atcatgctca	ttgtgagcc	agtttggtcc	gctcgtgac	gcgaggcgat	cactcagttt	540
gttttcgaga	aattcaagac	accggcgctt	tgtttgatgg	attctgcact	ggcagtctgc	600
tatggatacg	gaacatctac	cgcaacggtt	gtcgatgtcg	ggaaaggga	tgtcgatgtc	660
accgccgtga	ccgatttcct	ggtcaatgaa	cacggaagaa	gtatcgccct	ggaaggttgc	720
ggtggatatt	acatgactga	aaggcttctg	gaactactgg	aaccacggg	cttcacaagg	780
gaaatgtgcg	agcaattgaa	gagaagcaat	atcacagaga	ttttacccc	gggaacacca	840
attcctggca	ccgcagagac	cgcacaacaa	ggtaccacc	cancggcatc	ggcctcgaca	900
ggtgcacaag	aacgtgtggg	tgtcaatgga	tccgtccctc	gtgggccag	gcaacaacac	960
tcaagtcggg	gctga					975

<210> 15705

<211> 273

<212> DNA

<213> A.fumigatus

<400> 15705

gaacggtttc	aagtgggtgag	tctctctata	tcctatgagc	tttccggaaa	atatatactg	60
atTTTTTgct	acttcagtca	tgtacagagt	gaaagccatg	tacgacagat	gctgctcatc	120
ggcgaggacc	ccaagaaaca	tatcgaggag	ttcagcagag	agtttctgaa	caactttgtc	180
aattttgctga	agactaccca	tggcgagaag	aagggtccacg	ttaatcaatt	ctatcagcag	240
gttattgctg	ataaggaggt	gagtctcgcg	taa			273

<210> 15706

<211> 396

<212> DNA

<213> A.fumigatus

<400> 15706

agaaacacac	ggatactccg	agagatggag	gaacaggcgc	ggccagagtg	ggagaagaag	60
aagactgtca	tgagtttgga	tatcaaagga	ggccgcgtga	cccgcgtgta	tcaatctgcc	120
gcgcctgctc	agtcgagctc	ggccgcggag	gagaaagagg	aggacgtcga	ggatgtgtca	180
tatgaaaagt	cgaaaccaac	tggcggtgaa	gctttcagtc	ggaacccatt	actcgcagct	240
ggcggcctgc	tacgacccgt	ttggaaggct	gcggacgaca	agcaagaaag	gacagctaca	300
aaagaacgca	agcagacatg	gcggcggtgc	caagacgaca	atgatgacaa	tgaacaatgg	360
attctcgatg	gtggtttgca	cggctatacc	acttag			396

<210> 15707

<211> 717

<212> DNA

<213> A.fumigatus

<400> 15707

cgtgaagtca	aaaaaaaaa	gtgcggattg	tggatgcccc	tagacacctg	gcacctggac	60
cagatcctca	tccacaagtt	aaccaacgac	cggtggaact	ttatcatgaa	ctcccgcgtc	120
gaagccaacg	agcgggccaa	ggaacggacg	caggccggcc	acgacgcaa	aaaggacttc	180
ttctactacc	tgctcaacgc	caaggatccc	gaaacgggca	agggcctgac	gacacccgag	240
ctctggggcg	aggcgaaagt	cctgatgatc	gcccgcagcg	acacgacctc	caccaccatg	300
tccgcgacga	tcttctacct	ggtccgcaac	ccccgcgcca	tggaaactgct	ccggaaggag	360
atccgtgaga	atctctctc	ggtcgaggag	attgtcaactg	ggcccaagct	caacgaactc	420
gtctacctga	aggcgtgcat	cgacgaggcc	atgcgtcttg	cgctgctgt	ccccggcgcg	480
ccgccccgcg	aagtcatgga	gggcggcgcc	atgatcgatg	gggttttctc	gcccgaaggc	540
acggactgcg	ggaccccgac	gtactcgatc	caccggcaac	ccgagtacta	ccgcgagccc	600
gagggtctata	tccccgagcg	atggatcgag	ggcgcgacgt	gccaggcagg	cagcgagtca	660
tggacgacca	gcaaggagtc	cgttgagctg	gcgccggagg	gccttctgcc	ccttttag	717

<210> 15708
 <211> 657
 <212> DNA
 <213> A.fumigatus

<400> 15708
 cattctggac acaagacact agcgtatgtc acttacaatc gattttttcca cccgttacgc 60
 tctattcctg gacccttcct cgcttcogac accccctggg tacaactcta ccacggcctg 120
 aaaggcgacc gccacctatg gcttcaccgg ctacatgaga aatacggctc ccatgtccgg 180
 gcggcaccga acttcgtctc catcaacacg gaccgcggcc tgcacgacat ctacggccat 240
 ggcaagcggc tccgcaaggc caattttttac aatgccttcc cgcctatcaa gggcgtgtac 300
 aacacgcaca acgcatcgca caaggcgatg cacgggcgca agcggcgctg gctcagccag 360
 gcattctcgg accaggcgct gaagagcatg gaggatgtga tgctgttgca tgtgcggcag 420
 ctctgtgaaa ttctgaccgg tgggctcgac ggccccaagg gggaaaagag cgcgacggcc 480
 gttttcaatc tgggggactg gtttagctat ctgacgtatg atgtgatggg ggagctgtgc 540
 tttgggaaga gctttgatat gctaatttcc agcgggcggc ggaaattgat cgagcttggt 600
 gatcgcgctg ccaatcggca ctatgtggta tggcgtctt tctccctcc cccctga 657

<210> 15709
 <211> 435
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (330)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15709
 tcgatggggt tttcctgccc gagggcacgg actgcgggac cccgacgtac tcgatccacc 60
 ggcaaccgga gtactaccgc gagcccgagg tctatatccc cgagcgatgg atcgagggcg 120
 cgacgtgcca ggcaggcagc gagtcatgga cgaccagcaa ggagtccgtt gagctggcgc 180
 cggagggcct tctgcccctt tagcatcggg ccgcgggggt gtatcgggaa aagcatggcc 240
 ttcatggaga tgcggctgac cattgcgcgg ttgatgttcc tgtttgattt ggaactggcc 300
 gatccccaag gcgaagatga gaagggccan ctggccctgg ttggaaccat ttcaccaacc 360
 gccagttacg ggcccaatgt tgttgggtcc gaagaaaagt ttggaatttc cggttttggg 420
 gaaaatcccc gatga 435

<210> 15710
 <211> 681
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (242), (416), (546), (581)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15710
 tacatcctag ctctctctcc aggaatggca ggcgcgggga ctgctcctcc tccggggatg 60
 cagcaggcaa acataccgca gcccggtcga cctgcggggt tccctcctaa ctttcaacct 120
 cccccaata tgcccaacat caacttctct gcacctgtga tccgacttgg gacgtctggc 180
 ccttcgaaat cagctactcc ggacacgagc aaggaaacgc aggctccggg aagacgtgcg 240
 gngttgggtt caacaagtct tgagtctcag cgccagaatg tacgagatgc gatgatgcag 300
 ctgcagcctc cgacgagggg agagattgta aggactatat ttgtgggggg tatttaccga 360

gggcgcgcgcg	gtgacgaggg	catcgagaag	atcttgcgtt	ccgctgggaa	tctcangcgg	420
tggatccgcg	ctacggatgc	cgatgataag	ccattgcaag	ttggcttcgc	agagtacgag	480
gaccctgaaa	gtcttcgtac	tgctgtagaa	atacttaagg	gacgtgaagt	gccggtcaag	540
agacanaccc	catccgagga	ggttggacag	aaggagagga	ngtggaaaag	agcacactac	600
tggtttgtat	actgtccttc	aggtgcattt	tacagatctg	accatgttgc	gattaggtgg	660
tcgttgacga	cagttccctg	a				681

<210> 15711

<211> 252

<212> DNA

<213> A.fumigatus

<400> 15711

agagtggacc	agacctccct	cgacaagact	ggctccgatg	ccatgaacgc	tgccgggtgat	60
tactctgcgg	cttactgtat	catcaacacc	gattcgtcat	acgctgggtca	cggcatggta	120
cgcatcaaac	ccttgggtgtt	tctattagct	ctgagcaaag	aaagaactaa	ctgggaccgc	180
gacagacctt	caccattggc	cgtggaaaacg	agattgtctg	cgccgcccatc	agccttctcg	240
ctccccctgg	ag					252

<210> 15712

<211> 183

<212> DNA

<213> A.fumigatus

<400> 15712

ttaaaccgtta	ttcacgacgg	tctgaatatt	gtccaatctc	ccctagatcg	gctggacacc	60
cccaagggtgg	aattacaatt	ccgcggtggc	cttgtcaata	ttaattgcaa	tgaccctggg	120
attcttggta	atctagcgcg	ttctagacgt	ggagaagttg	ataataatac	tcaatggcag	180
taa						183

<210> 15713

<211> 1563

<212> DNA

<213> A.fumigatus

<400> 15713

gtggctcgttg	acgacagttc	cctgagctat	ctggaacagt	atgaaaactc	caggggtgaa	60
caggaccgcg	cggagcgtca	ggcgcggtct	gatgctgcgc	gtagcaaact	cgccaacgtt	120
ctctccgaac	ttttccatcc	tacctcgcca	accgcgaagg	aagactcctc	cgccattgat	180
cgtgaaggag	acaccgcgat	gaaggatgct	gaaggcgccg	atggcacctc	cgctgaagtt	240
gtcaccattc	cgatcacggg	tgaagatgaa	ctgtccgaca	ttcctccgga	aatgagggaa	300
actgttgcca	aggagattgc	agctttccga	gagcgcagca	accgcagggg	cattgaacgt	360
ttgaagcgag	aagaggagat	tgagtccatg	gagcgcagc	ggaatgccgg	ctcgcgtctt	420
aatcgccctg	cttctcccc	acctagcgct	catagtggac	ctgctgccgg	ggccaacggg	480
gtgccgcttg	gtccacgaga	ccgtggcatg	ccaaatgcac	cttcgggggca	taaggggttc	540
ggcgtacaaa	tcccaaaaga	ttaccagaaa	ggagtgtcgt	ttgtcaatgg	aggcgcgatc	600
aacggcgcaa	ctgtgatcta	caacgataga	gatgatgagg	agaccgatgc	aagtgcgaa	660
gagctagaac	gccgacgtca	agagaagaga	gaggctgaaa	tggagaagca	gttccttgac	720
caggaacggc	gatggctcaa	tcgtgaacgg	agcaggactg	cagctctgga	gcgtgagaag	780
aagcgggata	aggaggagga	ggccaaagcg	caagaaattc	gcgacgaggc	tgatcggcgg	840
tatcgggaat	ggaacgatga	catcgaggcc	agtcgcaagg	ttgaggacta	ctatgccgat	900
cggggcgcat	ggcttcggag	ccgtgctgcc	ttccgtgctc	gcgagatcag	caacgcagag	960
gctgaccgtg	cggccgaaga	acgagagcgc	gctcgggtctg	cgcagcaacg	cgagcaggca	1020
cgtggcatgg	cggacgactt	cctcgcgcgc	caagccgagg	agctggaggc	acgtaccag	1080
gcgcccaggg	aaccgcagcg	attcaagctt	tctcttggcg	ctgcagccca	gaaggctcaa	1140
gccgccacca	cccgcgggac	agtggccgaa	gtggaagggc	tgctggaaga	cgaagaagag	1200

ccccaggcga	ccgccagacg	acccctcatt	cccatcaagt	tcgacagtgc	gaccgaagcg	1260
gccggtctct	ccgacgagga	gcgtgcgcaa	gccgctcgac	agctggcggc	cgaaatcccc	1320
accgacaaag	aaggactatg	gaagtgggac	gtcaagtggg	agtttgtgga	tgagtcagtg	1380
ctccgagagc	agctcaagcc	agtcgtcgag	aagaagatcg	tggagtacct	cggagtgcag	1440
gagcagatgt	cggtggacgt	ggttgaagag	catgtccgga	aacacggaca	tcctcaggag	1500
ctggtggaac	aactggagga	ggtgagatcc	gcgaaaccta	tcatgaacct	acagcagagc	1560
taa						1563

<210> 15714

<211> 600

<212> DNA

<213> A.fumigatus

<400> 15714

ctgggaccgc	gacagacctt	caccattggc	cgtggaaacg	agattgtctg	cgccgccatc	60
agccttctcg	ctccccctgg	agtcggcaag	gacctggacg	agctgaccgc	cgactggggc	120
aagacatggc	gctacctggg	atccgacagc	cagctgcgct	ggatcggacc	cgagaaaggt	180
gtcatccacc	ttgccctggg	agccgtggtc	aacgctctgt	gggatctgtg	ggccaagacc	240
ctcaataagc	cogtctggcg	cattgtcgcg	gacatgactc	ctgagggtatt	cgtccgctgc	300
attgacttcc	gctacatcac	agacgccatc	accccaaaag	aagccattgc	gctgcccacg	360
gagatcgagc	cccccaatc	acgaagcgta	tcaaaggacg	ccttaacaga	gccccgggct	420
gtgccgggca	tacactactt	aattgctggg	ttggctccgg	tttcccccaa	agaaaaacct	480
gccctgccgt	tgccctgaaag	ggacagttgt	tccttcaagg	gcttccaaac	cactttcaaa	540
ccttcaaggg	tctggcgccc	atcttttggg	acgagaggac	cgttcccaag	aattgaacta	600

<210> 15715

<211> 369

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (38), (73), (203)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15715

aggacagtat	acaaaccagt	agtgtgctct	tttccacntc	ctctccttct	gtccaacctc	60
ctcggatggg	gtntgtctct	tgaccggcac	ttcacgtccc	ttaagtattt	ctacagcagt	120
acgaagactt	tcagggtcct	cgtactctgc	gaagccaaat	tgcaatggct	tatcatcggc	180
atccgtagcg	cggatccacc	gcntgagatt	cccagcggaa	cgcaaaatct	tctcgatgcc	240
ctcgtcaccg	cggcgccctc	ggtaaatacc	ccccacaaat	atagtcctta	caatctcttc	300
cctcgtcgga	ggctgcagct	gcatcatcgc	atctcgtaca	ttctggcgct	gagactcaag	360
acttggtga						369

<210> 15716

<211> 1062

<212> DNA

<213> A.fumigatus

<400> 15716

cacagtcctt	gtgagattca	ggcgaccgta	ctcacgctgc	atcgggccgt	aaacatccag	60
cttgtcggtt	agccactcat	aagactggcg	cgacatctcg	aactcaaccg	tgcaaaggga	120
gtgtgtaatc	tcctcgatgc	tgtaacagag	agggtgcgca	aagtcgtacg	taggatacat	180
cttccactgg	ccaccagtgc	ggaagtggcc	cttctggctc	acgtccagaa	tacgccacgc	240
gaagatatcc	cacatctgag	ggttcggatc	gtccaaatcc	atcttcatac	gcagcgcagc	300
ctctcccgcc	ttgtacttgc	cctccttcat	agcttcaaac	tcctgcagcg	actcctcaat	360

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aggctcgcat  cgggtgagggc  acgcatacct  cgctttgccc  cgcgcaccat  ccgcctcgcc  420
acgctggggc  ttgatctccg  ctttgggtgca  gtggcacaca  taggcacat  ctgctcgat  480
aagctccttc  gcaagctcat  acagtcggtc  gaagttgtca  ctagcattag  tgaccggac  540
aggcttgat  cccaaccagc  tcacaatatc  ctcaataccg  cgatagtata  tctcctctc  600
accctcgggg  ttcgtgtcat  cgaagcgag  gatgcattcg  ccgcatggg  acttcgcga  660
cccgaattg  accgcaattg  ctttgcgtg  accgatgtgc  aggaagccg  tgggctcgg  720
agggaaacga  gtccggatct  tggggtgtt  ctccgagatg  ggccgttct  ggtatacat  780
tgccgagga  ccgacctga  acatggcgtc  ggggtcgaca  gagcgagat  cagttgcgg  840
ctctttggcg  ttggcggcct  taggcttgc  gcctcccttc  ttgccattgt  tgttattgt  900
tttgccgtcg  gggttcttgg  gtgccttctg  cttgggagct  ttcggcttgg  gtgctttgg  960
ggacttctct  tcagagggct  ttccacctgc  gggggcaagg  ctctgctctg  caggagcagc  1020
tgccctcttt  ggtcgctcag  gaagagtagt  ttctcctgtt  ga  1062

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<210> 15717

<211> 1548

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (2)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15717

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gnacgattcg  atctcgtgca  acaggatgag  tcgaatgtcg  caggtcatac  tgaggagAAC  60
tcgtccacaa  cggctgggtc  tcagcaatcg  tcggataatg  aggccagaa  agctaaggag  120
acgccacaga  cctcacctgt  tcttgggcca  tcagataagc  tcaaaccga  cgaggctgtg  180
gatgaaagta  acaaggaagg  tgggtccgat  ctccgggtgg  aagacttccc  aacggtagat  240
gagatgttgt  ctagatcaca  ggatcaacat  cagcaagtta  ctgttgagcg  tgtggaagtg  300
gaggagaacg  aaagcaagaa  accgctcgag  ccaacaaagc  ccgaacgaag  agctctgacc  360
aagcctccca  tccgcgtgcg  agtgtcccg  cagtccatcg  ctcaaaaaca  actggaggat  420
tctgacgacg  acctggaggt  tgtaactgac  cccgccaaat  gcaggcgtat  cgcggcgctc  480
gaaaacctcc  cggcgaagaa  gatgcaggaa  tcagcatcta  tgctcaagct  gaaggcattg  540
gctcatctta  cttcacctac  tcgacggagt  aagactatga  acacagcaga  actctcggcc  600
atgctattac  tccaggcgag  gcagcaagcc  gccaaagaaa  gacaggagag  gatacaagaa  660
ctacgggcca  agggagtaat  cgttgagacc  gccgaagagc  gcgctgctat  ggaagatgag  720
cttgaataat  ttgtcgaaaa  ggcacgcaa  gaagccgagc  cgattgcca  gaaggagaga  780
gggtctaaaa  ccaaaaaatt  ggaggatgta  gatgacgtgg  acgacgagga  agatgaagac  840
ttcgagctct  ccggctccga  tcaagaaggc  tacggcgatg  gcaagggaga  cgaggaagat  900
gaagacgagg  aagatgatga  agagaacgag  cagggatttg  ttgactcgga  ggctggtgag  960
gatgaagagt  ctgaggacga  gcagaccgaa  gtcattgtcag  cagacgagtc  ggaagtgcc  1020
gctgtgcgac  gcaagcgacc  aactcgagta  atcagcgacg  atgaggacga  agatgaaaga  1080
caggcaccta  aaacaccggc  caaaccgact  ccctcaacag  taaactctgt  tgaacggcct  1140
cagttccctg  gcatgacctc  tgacggactg  acaatgagcc  tcacgcaagc  ctttgctggg  1200
acacttgggg  ccagtcaacc  agttaccocg  gaaggttcgc  cggtatttcc  ggactctttg  1260
cctgatcctg  cacaatcac  ccacgatcgc  cgagattcgg  agtcacaaat  catcatcaag  1320
gatagccagg  agcagcgcg  cgaatcgaca  gacatactgg  caggttatac  acaaccgag  1380
agccgagtct  ccgagtcacc  agcgccaaga  gccatgtcgc  agtactccca  aatccctgac  1440
cctacgcagg  acgcccgtt  tgttctctcg  ccctttgatc  cgtcgaagag  aatccctagg  1500
ggaccccccc  aattcgacta  tcgaaaccgg  gcttgtggga  caaatga  1548

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<210> 15718

<211> 399

<212> DNA

<213> *A.fumigatus*

<400> 15718

atccccgggaa	caaccacgcc	tgttcctgac	ggaaaatcga	agcatcttcg	gcgtgggcca	60
gcagcaaacc	tatccatgat	tgaagagcaa	gaagaggaag	gattcgagat	tgatgccagt	120
gcttttgatg	ttatgaaaaa	ggcagcgaag	acgaagacgc	atgttccatt	tgacccaaag	180
actagcaagg	ctaaggaaat	ggtggaagat	gccgccgaag	aatccgatga	cgaatatgcc	240
ggtcttggag	gcgctagcga	cgagagtga	gatgaggaag	atgcctacga	tcgacagatg	300
atcaatgaca	atagtggaga	gacagtagac	gagaagcagc	tggctgctct	gaatgcgtgc	360
gttccccgcg	tcaactgtcc	gaagatgttc	gcgaactga			399

<210> 15719

<211> 1182

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1181)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15719

tcttcaccac	attggaatat	cagattcttg	ccaaccatgg	catcaacagg	agaaactact	60
cttcctgagc	gaocaaagga	ggcagctgct	cctgcagagc	agagccttgc	ccccgcaggt	120
gaaaagccct	ctgaagagaa	gtccgccaaa	gcacccaagc	cgaaagctcc	caagcagaag	180
gcacccaaga	accccgacgg	caaaaacaat	aacaacaatg	gcaagaaggg	aggcggcaag	240
cctaaggccg	ccaacgccaa	agaggccgca	actgatctgc	gctctgtcga	ccccgacgcc	300
atgttcaagg	tcggcttcc	cgcagatgta	taccaggaac	ggcccatctc	cgagaaacac	360
cccaagatcc	ggactcgggt	ccctcccag	cccaacggct	tccctgcacat	cggtcacagc	420
aaggcaattg	cgggtcaattt	cgggttcgcg	aagtaccatg	gcggcgaatg	catcctgcgc	480
ttcgatgaca	cgaaccccca	gggtgaggag	gagatatact	atcgcggtat	tgaggatatt	540
gtgagctgg	tgggatacaa	gcctgtccgg	gtcactaatg	ctagtgacaa	cttcgaccga	600
ctgtatgagc	ttgcgaagga	gcttatccga	cgagatggtg	cctatgtgtg	ccactgcacc	660
aaggcggaga	tcaaggccca	gcgtggcgag	gcggatggtg	cgcggggcaa	agcgaggtat	720
gcgtgccctc	accgatcgcg	acctattgag	gagtcgctgc	aggagtgtga	agctatgaag	780
gagggcaagt	acaaggcggg	agaggctgcg	ctgcgtatga	agatggattt	ggacgatccg	840
aaccctcaga	tgtgggatat	cttcgcgtgg	cgtattctgg	acgtcgacca	gaagggccac	900
ttccgcactg	gtggccagtg	gaagatgtat	cctacgtacg	actttgcgca	ccctctctgt	960
gacagcatcg	aggagattac	acactccctt	tgcacgggtg	agttcgagat	gtcgcgccag	1020
tcttatgagt	ggctcaacga	caagctggat	gtttaccggc	cgatgcagcg	tgagtacggg	1080
cgcctgaatc	tcacagggac	tgtgctatcg	aagcgtgaaga	ttattgagct	ggtcaagaag	1140
gtcttcacca	cggggctgga	aggtaccgcg	cgggctcaat	ng		1182

<210> 15720

<211> 312

<212> DNA

<213> A.fumigatus

<400> 15720

cgttcttcgc	tgggtggaggc	aacgacttgt	ccttcgcgcc	tcctcccttg	ctgcgcaaga	60
ctacaacaag	ctcgtcctct	ggttctacgt	cgtccaagtc	tgactcatca	aagcgagtcc	120
ccataaccgc	tgctggagcg	tctgtcgcct	agaaaagcgg	cagtcaatta	ctacactgcc	180
gctagagaga	gggagcgcca	acgtgagatt	cgggccaaaa	accgctccgg	cggttccaac	240
attacagctc	tggtgaacaa	gtatgccagc	aaccggctgg	gttctctggg	aggaacaggc	300
caatgggaat	ga					312

<210> 15721

<211> 1119

<212> DNA

<213> *A.fumigatus*

<400> 15721

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ggcgggtggga atggttggac gggctcgact caatgtgttg ctgggtgcatg ctgcagctct 60
ataaacgact ggtactacca atgtttctct ggcaactgca tgcccagcac gaccatgacg 120
acgaccaccg ctacacacac cacttcgaca agcacatcgg gcgctacggg aagcttgccc 180
accagtttca gatggagctc caccaatgcg ctgggttggtc ctaaaaacga tggccgcaac 240
cttgcgggaa tcaaggaccc ctctatcata gaggttgacg gtacatacca tgttttcgcc 300
agcactgctc aagcgtcagg ctacaatctg gtgtacttca atttcaccga cttcaaccaa 360
gcaggaaatg cacccttctt ctatctcgac cagagtggaa tcgggacggg ataccgtgct 420
gcacctcagg tcttctactt ccagccgcac cagctgtggg acctgatctt ccagaatgga 480
aacgctgcct actccaccaa caaggacatt agcaaccctg ctgggtggag cgctccgaag 540
aacttcttta gcagcgttcc cagtatcatc actgagaaca tcgggaaggg ctactgggtg 600
gatatgtggg ttatctgcca ctcatccaat tgctacctct tctcttcoga tgacaatggc 660
caoctctacc gctcacagac cactctgagt aacttcccta acggcatggg aaacacagtc 720
attgcaactc ctgactcaaa tcccaacaac ctcttcgaag cttccaatgt gtaccgcgtc 780
ggaaacgagt accttctcct tgtggaagcc atcgggagcg atggaaatcg gtacttcgg 840
tcatggacgg caccctctct caccgggtacc tggacgggac ttgcgaacac tgaggccaat 900
ccattcgccc gttcgaacaa tgtggtcttc tcggggactg cctggaccaaa gagcatcagc 960
catggcgaga tgggtgcggtc gcaggtggac cagactatga ctatcagccc atgcaagctc 1020
cgctacctct accaaggcct gagtccctac gcgacgggtg actataactc acttccgtgg 1080
aggctggctc ttctcacaca gaccaattct gcatgttag 1119

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<210> 15722

<211> 993

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (707)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15722

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tgcagcgcac atgtgaattg gcttaccaga tccgatctca ggctcaaatt gatttgccaa 60
atgaaaggct tcatacgcgc attgttcttc atgggcgcgc ccttaggctc gaatttcaat 120
cagccgggtc tgtgggagga cctggctgat ctgcacattt tccgagtgga tgacactttc 180
tactattccg catcaacgat gcattactcc cccggtgctc ctattctgca gtcgtacgat 240
ctagtcaact gggaattcgt cggacattct gtgccaaact tggactgggg ctcgatctac 300
aaccttgatg ggggccaggc ctacgtcaaa gggatctggg cttcgactct tagatatcgc 360
aagagcaacg gcttgtggta ctggatcgga tgcattcaat ttcgcactac atatatctac 420
acggctcctt cggtgacagg cccgtggact aagagtggag ttatcaacac ctgcctctac 480
gattgcagct tgctcatcga tgatgacgat accatgtatg tggcgtatgg tgccactacc 540
atctccgtcg cccagctctc tccaacggg ctcagccagg tcaaaacgca agaagtgttc 600
aaatccacta tcgggtcccat tgagggtctg cgcttctata aaatcaatgg cgaatactac 660
attttcacca cgctccccgc caacgccgaa tatgtcctca aggccancat cccgtggggc 720
ccgtatacag agaaattact cctgaaggac atctcaactc cgatcgccgg ggggtgggtt 780
acccatcagg tatgccactt gcttatatcc aaaccatcga acctatggga atataaggtt 840
ggcattgtcc aaacccccgc ctggagaatg gtttttacat gggcctttgg ttggacaccc 900
tacccaatgg ggggtttta tccattcct cccctccoga attactttgg ggctccttat 960
tgggttcccc gggttaatca ccaaatattt taa 993

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<210> 15723

<211> 186

<212> DNA

<213> A.fumigatus

<400> 15723

atggaggatc	ttaaatgggt	tgaccaatgt	atatacgaga	ttgaattgga	tatcaaccga	60
cgcatgtttg	atatcctcta	cacggccata	gggtgcctatg	ttgttgcaca	aagggtctat	120
tctctcaatg	ctaccaatac	tgttccttct	agtgcactctg	acgtcacgta	ccacaggaag	180
gcctag						186

<210> 15724

<211> 444

<212> DNA

<213> A.fumigatus

<400> 15724

gctgcagtcc	gcatacacag	tgaactcatc	cacaccggtc	tcggatatcat	tgatcgtagc	60
attacgcttg	ttgaggagag	agatcacgtc	accttgggaac	tcaccaggag	cggtgacagc	120
gatcttcatc	atgggctcaa	ggacagaagg	gttgctttcc	atgaaagcct	tccggaaagc	180
ctgttgggtg	gcgttcttga	acgacatttc	ggacgaatcc	gtcatgtggg	tagcaccatc	240
gttgatgacc	atcttgggtac	caagcacctt	gtgaccgatg	agcggaccct	tttcgcaagc	300
aagattgaaa	cccttctcac	aagcgaagg	gaacttctca	gagatactac	caccaacgat	360
ctgttctca	aatttggtgt	cctcgagttt	gccggtgggc	tccatccagc	cgacgacgcg	420
ggcatattca	ccaggacctc	ctga				444

<210> 15725

<211> 216

<212> DNA

<213> A.fumigatus

<400> 15725

tgtctcagc	gtcgcgatct	tttttctgct	ccgaaaaaaa	gttcggagaa	gccaggaaca	60
aggcacgtga	tcatttcagc	tacaaccaat	gagatcgggg	tagttcaaac	catttctact	120
gcgcgatgtac	tctgtaagtt	tgacatgacg	gacagcctgg	gaattactat	ggcaataaat	180
attatgataa	tctcagttgt	gaatcaatca	aatga			216

<210> 15726

<211> 777

<212> DNA

<213> A.fumigatus

<400> 15726

gaagttggcc	gagtccttgc	tggtcttggg	cttgataaaa	agcgagataa	caggctcggg	60
cacgaacatg	gaagtcattg	tgtaaccgag	ctgtccatcg	gtgaaagtgt	cgccagaggc	120
acaatccaca	ccgaacacgg	cgcataattc	accggctcca	atctccgata	cctcctccat	180
ctcattggaa	tgcatgcaaa	caatgcgagg	aaccttgacc	ttcttgttgt	tgcgagcatt	240
gaagacattg	gcgcccttgc	ggagggtacc	ctggtacacg	cgaatatagg	tcaactgcc	300
aaagttgctt	tcttccagct	tgaaagcaag	accaacaaaa	ggctgggagt	tgtaagggac	360
aagcttgacc	gaagcctcgt	cgcgcttccg	gtcaagagcg	agggtttcaa	cttccgatgg	420
gttggggagg	tagtcgatga	caccatcaag	cataggctgc	acggatttgt	tgggcagtgc	480
agaacccatg	aagacgggag	tgaacttcaa	gccaatgggt	gcccggcgga	tagcggcctt	540
gagctgctgc	tccgtaggct	cagtctcctc	cagggaagagc	tcagcgatct	cgctcgtcac	600
atcggaagc	gtctcgatga	gcatacctct	ccgatacctcc	acgaccgact	tgaccttctc	660
aggaatctca	tccttaacca	cgacagtctc	accgttcggt	acatcgttgt	aaatggactt	720
catacgaatc	aggctcgacca	caccctcgaa	ctcgtcttca	gcgcctattg	gcactag	777

<210> 15727

<211> 720

<212> DNA

<213> *A.fumigatus*

<400> 15727

tttctggcag	gggtgaattg	cattctagac	ataaacattg	agcgcatggg	tcgcgagtac	60
cgagtcgact	gtgtgactgg	cccgcctcag	gtcgcgtatc	gcgagaccat	cggcaaccgg	120
gtggagttcg	accacttgct	caagaagcag	tcaggaggctc	ctgggtgaata	tgcccgcgctc	180
gtcggctgga	tggagcccac	cggcaaaactc	gaggacaaca	aatttgagga	acagatcggtt	240
ggtggtagta	tctctgagaa	gttccttttc	gcttggtgaga	agggtttcaa	tcttgcttgc	300
gaaaagggtc	cgctcatcgg	tcacaagggtg	cttggtacca	agatgggtcat	caacgatgggt	360
gctaccacac	tgacggattc	gtccgaaatg	tcgttcaaga	acgccaccca	acaggctttc	420
cgggaaggctt	tcattgaaag	caacccttct	gtccttgagc	ccatgatgaa	gatcgctgtc	480
accgctcctg	gtgagttcca	aggtgacgtg	atctctctcc	tcaacaagcg	taatgctacg	540
atcaatgata	ccgagaccgg	tgtggatgag	ttcactgtgt	atgcccactg	cagcttaaac	600
ggaatgttcg	gcttcagtac	gcctctgcgt	gctgccaccc	agggcaaggg	tgaattcacc	660
atggagttca	gccattacga	gaaggctcag	cctcagttac	agtatgtaca	atctttctaa	720

<210> 15728

<211> 465

<212> DNA

<213> *A.fumigatus*

<400> 15728

ctccgagctg	atacagatth	ttcgcgtcca	ggatgcgccg	ccacatgtta	cgccttttac	60
cgcgcctaca	ggctgatgaa	ggccgggtgac	tcggctgaaa	tgaacaagat	gttccgtgct	120
cgtatctacg	cccaattctt	tacactcgct	gctgttgttg	ccggaggcat	gtactacaag	180
acagagcgcc	agcaacggag	ggagttcgag	aagatgggtg	agcagcggaa	ggcacaggag	240
aagaggggatg	cttgggttgcg	tgagctggaa	atccgagaca	aggaagataa	ggactggagg	300
gagcgtcatg	ctgccattga	ggctgctgct	aaggaggctg	gcaagaggcc	ggcgccgaaa	360
aagcttccag	agcaggacgc	tgctcggta	gctattgagc	ctgctgatga	gaggtctatc	420
ggtgtactat	ctgctgtgcg	agatttatgg	atgcagcaaa	agtga		465

<210> 15729

<211> 429

<212> DNA

<213> *A.fumigatus*

<400> 15729

aatatgtatc	tagatgcaca	gaaagagccc	cagatctcgt	tcaacgtgtc	atctggcacc	60
tatatgttca	tcagtctgga	tatcgatgcc	ccatttccat	caactgggctt	cctaggaccc	120
atccttcact	ggatacatcc	gggatttaag	ccgtcgacgg	ataccactgt	cacgggagag	180
accatcttga	caacgtctgc	cccttttgtt	gcgaactata	ttggccctgc	gcctccacca	240
ggcagcgcgc	cgcaccgata	tgtttttttg	ctgtacgagc	agccggaagg	gtttaatatc	300
gagaagcatg	ccccaaagaa	tggaaagccc	gttggttaact	ggcagaggat	aaggatgat	360
ctgggtgcat	tcgcgaagga	agtgaacctg	gggccagttt	tggcggcgaa	ctatttccgc	420
agcaactga						429

<210> 15730

<211> 1371

<212> DNA

<213> *A.fumigatus*

<400> 15730

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gatctcgagc	gtgaaaagg	tatcactatt	cagtccgcag	cgacgttctg	tgactggata	180

aagaagggag	acgatggaaa	agaggagaaa	taccacatca	acctgatcga	tacaccaggg	240
cacattgact	tcaccatcga	agtggagaga	gcgctgcgcg	ttctggctgg	tgctgttatg	300
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cgctacaacg	ttcctcgaat	ttcattcgtc	aacaagatgt	accgtatggg	tgccaatcct	420
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<210> 15731

<211> 216

<212> DNA

<213> A.fumigatus

<400> 15731

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atgcttgga	attcttccga	gtatgccatt	gtatgtcgtc	tgtcttctag	gccttcccat	180
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<210> 15732

<211> 486

<212> DNA

<213> A.fumigatus

<400> 15732

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acctgccccg	gcgtggccga	tgtgtctgtt	gttgggtgtc	cagacgagag	gtatggcgaa	180
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cttttttagcg	gcaagacatc	cttcatacct	caatatgcta	acaaaaatca	acttgcta	360
agttccgaaa	tacgtttttt	tcttttcacc	ttccgattct	ttccccaaga	ctgcgagcgg	420
caaagttcag	aagttcaagc	tgaaggagac	tgccatcaag	attctgaaag	agcagagcaa	480
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<210> 15733

<211> 192

<212> DNA

<213> A.fumigatus

<400> 15733

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ctagacttga	gcaacatggc	tgactctcat	gcacttaaag	cgtcatatca	aaacatcaga	180
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<210> 15734

<211> 1269

<212> DNA

<213> A.fumigatus

<400> 15734

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atcagtgccg	agtccaattt	accgcggaaa	gaaccccgga	gcaatgtccc	actactcaag	180
caccttgctc	aggatctcta	cacaggaaaa	gtagagtccg	cagtgggtgcc	ttcagtgaag	240
aatgtcattt	ttgttgataa	ctcttctggc	agagtcaa	ggtcggacta	caagagcctg	300
acgcctttca	cgtcggtcat	atcagacaac	gtcgtgatg	cgaatccact	gcctcctcag	360
gatctctcgc	ctagtgatgt	agtgaacatc	caattcacgt	ctggcaccac	cgccatgcct	420
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gctacatcac	gatcacgggc	cgtatcaaag	atctcatcat	ccgaggaggc	gagaacattc	1260
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<210> 15735

<211> 222

<212> DNA

<213> A.fumigatus

<400> 15735

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ccttccgatt	ctttcccca	gactgcgagc	ggcaaagtcc	agaagttcaa	gctgaaggag	180
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<210> 15736

<211> 282

<212> DNA

<213> A.fumigatus

<400> 15736

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gctaccagcg	gcgatgcctg	tccgaagaaa	ctcaaaccct	ttgtgttcta	cttcgccttc	180
ctgaagcagg	ccgagctctt	cgaggaacat	ggtaggcacg	ccgtaaagtg	ctgtacattt	240
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<210> 15737

<211> 216
 <212> DNA
 <213> A.fumigatus

<400> 15737
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 ccagatatga gtctgcgaaa tggcgtctcc ttgtcccgcg aggggaatgat cacggcacga 180
 atttgctcat atgcgaggaa tttgatggca gcgtag 216

<210> 15738
 <211> 816
 <212> DNA
 <213> A.fumigatus

<400> 15738
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 tatagaaatt ttatctccgc tcattttacgc cagaccgcag acagagatat cgaaatgacg 180
 actcgcaaga gaaacgaatt tttggatgtc gtctccgacg acgatgaggg aagtgaccgc 240
 ggctatgact ctgaggccgc ggaggagagc aaaggctcgac tcgcgaagcg acgcaagaca 300
 cacacgcgtg cagacgatgt cagcgacgag gaatcagata tcggccgctc agagtcagaa 360
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 cctaagaaga acaaaacagg cgtcatctac ctctcctctc tgccccata cctcaaacc 660
 ttcgctttga aatccatgct tgaaaccgcg ggttttgac ccatcaataa aggtcttctt 720
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 aatcctacgc ctaacgggtg ggtggaattt cccgtc 816

<210> 15739
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 15739
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 ttatgtcgac agcatctccg gaccatggga gtcttgatca gtctcgtgtt gtatcgagcc 180
 caggacaaaa tcacttctta a 201

<210> 15740
 <211> 981
 <212> DNA
 <213> A.fumigatus

<400> 15740
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 cgacatgagg gtgtgcgcgg tcttttcaag ggccattccg caacgcttct tcgaattttc 180
 ccctacgctg ccatcaaatt cctcgcatat gagcaaattc gtgcggtgat cattccctcg 240
 cgggacaagg agacgccatt tcgcagactc atatctggga gtctagcagg tgtcacatca 300
 gtattcttca catatccgtt agaattgatc cgggtgcggt tagcatttga gacaaagaag 360
 tccgcgcggt cgtcgttggc aggcacgttc cgacagattt ataatgagca ggcgtcgggtg 420
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ggtgactggc	ttcgctctcc	tctcctcgct	cgctacacca	tcattccagc	atctgatcag	660
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atcggtcata	tcaaagtgtc	gccgatgtca	gccacagctt	ttttcacata	cgaacgatta	960
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<210> 15741

<211> 300

<212> DNA

<213> A.fumigatus

<400> 15741

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atccgtacgg	agcgttttca	accatccctc	cttaactcgg	cgggggtgaa	taaccaagat	180
cccgcaaagc	atatcggaat	gaccgcccac	gtacttggtt	ccactgtgca	tcacaatgtc	240
ggctccgaac	tccagggggt	tctgcagcgg	gggcccagca	aaagtcgagt	ccactgttag	300

<210> 15742

<211> 897

<212> DNA

<213> A.fumigatus

<400> 15742

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aaagagctcc	cagatgagcc	acccaaagcc	cttcacagct	cgtgggacta	ctccccagag	180
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cattgcacta	ttgcgcatcc	tgacgtggcg	aagctgggcg	atctttcata	ttactatacc	780
gtttccacac	cggggcatat	tcagcatttc	tcccgaccaa	agccggataa	ggtagatgag	840
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<210> 15743

<211> 489

<212> DNA

<213> A.fumigatus

<400> 15743

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<210> 15744
<211> 1092
<212> DNA
<213> A.fumigatus

<400> 15744
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gcgtactatg ctgccaaaaa gggagccaaa gtgattgcgt tcgaacagtt cgagctgggc 180
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gcgttatgca aa 1092

<210> 15745
<211> 354
<212> DNA
<213> A.fumigatus

<400> 15745
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gaggctctga acaatgcact gcctgacttt cacatggcta caagagccat tcatgccgat 180
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<210> 15746
<211> 1047
<212> DNA
<213> A.fumigatus

<400> 15746
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tcgacgggac tttcagcttt tcacgccatg ctcatcctcc tcaaccctaa gcgaatcttc 180
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cgaattagct	gcgggatcga	agagttttag	gatatgaagg	ctgatattct	gcaaggactg	1020
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<210> 15747

<211> 201

<212> DNA

<213> A.fumigatus

<400> 15747

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cgccagggtta	aggagaagaa	ctcccgggtg	gggtgtcgact	gcatgttgac	cggcaacaac	180
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<210> 15748

<211> 282

<212> DNA

<213> A.fumigatus

<400> 15748

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gaggaagctg	ctgtgaaggt	aagtagtctt	ggaatccatg	ttttattaca	gcaaactgac	180
tcattggaatt	ttagagcccc	ggcatcgaac	aatacgtat	gcgtgccttt	gcggatgcgt	240
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<210> 15749

<211> 672

<212> DNA

<213> A.fumigatus

<400> 15749

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aaaggggtta	atagtgggat	aagggatttc	tctcaccccc	agatgccgga	cgaggttaaca	180
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tttgaggacc	tgagcccgga	gaaactggga	accgcaggtc	gcgtgcgtga	gatgacattc	540
ggtaccaccc	gagagaagat	gcttgtcatc	gaagagtgtg	ccaacagccg	cgccgttaca	600
attttcgtac	ggggaagcaa	caagatgggt	cgtaggactt	gtgcagtgtg	gaagacagag	660
agacatggct	ga					672

<210> 15750

<211> 240

<212> DNA

<213> A.fumigatus

<400> 15750

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aagaatgagg	gcaccagatg	cgatcgacgc	ataccacaat	acaaattgct	aggtataaag	180
gtcatcagtt	tcgttttcgt	tagacatttt	tctctatgca	tccgccatgt	tctacactag	240

<210> 15751

<211> 426

<212> DNA

<213> A.fumigatus

<400> 15751

cgagcgcttg	gcttcatcaa	tgatctaaga	gaaaagggtc	agccatgtct	ctctgtcttc	60
cacactgcac	aagtccctacg	aaccatcttg	ttgcttcccc	gtacgaaaat	tgtaacggcg	120
cggctgtttg	cacactcttc	gatgacaagc	atcttctctc	gggtgggtacc	gaatgtcatc	180
tcacgcacgc	gacctgcggt	tcccagtttc	tccgggctca	ggctctcaaa	acgcgggaca	240
atccgtccat	ttgtcgcaat	ggcaatgagt	tcaatttcgg	gaccaccgac	ccaccggacg	300
gcaggaagct	tggtctggag	tagaagatgg	tttgccctcg	cgtcgaaaacc	ccactggcag	360
atcaccagat	tggcgccctga	gtctttcaag	tgctggatca	tctctgtgaa	cttctcgcg	420
tcgtag						426

<210> 15752

<211> 2658

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (167)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15752

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caagcgtcta	actgcaagac	tttcaagcga	ggccttcate	cccgtcnctc	gttacgcgaa	180
accttcctag	acgatacga	tccagccgac	aatgcgaaca	acagcagtaa	cgactcaagt	240
gaagagcgag	atcccatga	cctttccctg	tcgccaaaac	atgccgcgcg	cacgtccatt	300
gtcgacaata	tggtgctttc	tctggatcaa	ttcacctttt	ccacgggtaa	ttcgattctc	360
gatgactacc	gactgttcaa	ctccgtcttc	gaatccgaat	tgtacggctc	gaactcgcag	420
gaatctgcgg	gacccaatcg	gtatcgcggc	catacattct	cttccctcct	ttcatcagaa	480
gcagactttg	gttacgacga	cagctcgact	cgttatggaa	cccagccggc	gtctgccgcc	540
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actcgcagcc	gggaaggac	caattcacga	ggtcaactca	atgactatcg	agctgtcaca	660
ggggccgac	aaacgactcg	cgggacgagg	aaaagcagca	aagcaagctc	atctaccaac	720
ctcgatttcg	gttcagccct	catccgagg	agagcggact	cgtctgggtga	gcgacgttcg	780
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gatcgaaagc	aggagaaagt	ggcggtcgag	gatgctctca	attcttccga	gggcgacaag	1920
ggcggtcaca	cgactgacgg	cacgtcccat	atcatgatcc	caacgacgac	gaaatccgct	1980
ccggctctgt	caccggtcgt	cgagagtata	tctccggcaa	gtgtgtcgcc	cctggaagat	2040
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acgcaacagg	tagaccgagt	gctggatgct	ttctcgacta	gatggtgcca	gtgtaatcca	2580
cgacatggct	tcaaagctgt	cggtagcttc	actttccctt	caccttccat	cacagaatat	2640
atttcagatc	taacttag					2658

<210> 15753

<211> 408

<212> DNA

<213> A.fumigatus

<400> 15753

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acgattcgtc	gggttgcctg	ggaagcagct	ccggacggat	tcgaaacctc	ccgacctgtt	180
aatcgatcga	aactgtccac	gcaagagtcg	gcttcgtcgc	ccggcccttc	gcagcagaac	240
tcgtccaaca	atcccagagg	gtctaattga	gatacagatc	ggccgagtc	ccctccccac	300
aagcttggtt	atcggttgtc	togaaccgat	ctttcgatca	aattgtcggg	tgatcctgaa	360
agccacctcc	gcccggttgg	tccatgcccc	attccatggg	ttcaatga		408

<210> 15754

<211> 1203

<212> DNA

<213> A.fumigatus

<400> 15754

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cagcattacc	ccgtcaccag	cagttacgaa	gcactggacg	gtgcggggaa	ggatcgcaat	180
aacgcgttcg	acttctttca	cataaacagc	gtcgacaagg	atgaccaggg	taactatatt	240
gtctctgcaa	gacatctcca	tgcctgcagc	tacatcgacc	acgtcacccg	aaacgtgcta	300
tggactctcg	gcgggaagtt	gaacgaattc	acggacctgt	ctcacggaca	ggcgaccaat	360
tttgccctgg	agcatgatgc	ccggtggcac	gccaacaaca	ccataacact	ctttgacaat	420
gcagcacatt	caaacagcga	tcccagacagc	gaaagccgcg	gcatggtc	ccaactcgat	480
ctctcccagc	gcacagccga	actgctcgcc	gcgtactatc	atcctcaaca	gatgagatct	540
gtctcccaag	gcaatgtcca	gattctcgat	gaaagtggtc	gggtcctcgt	tggctggggc	600
cacagcgcag	ctttcacgga	gtacactgcc	gatggggact	tgctctgcca	cgtccatttc	660

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gcggtcttctg cattcttctc gttegggtcgg gttgtgtctt atcgtgcatc caaggggtacg 720
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attgagattc ctgaagagct gggcagttcca ctttttcgcc tggcggtctt ggatgccgag 960
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ttactcgggt tgtatcaatg ttgcggctgc tgtcaaatec ttccccgatg ccgtcgtcgt 1140
ccgaatgagt atcagctggg agcttttggg gataatgata acggtgagaa cgatccagtc 1200
tga 1203

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<210> 15755

<211> 324

<212> DNA

<213> A.fumigatus

<400> 15755

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gtcgagaaca acaaggtcta ccagacggtc actatgaacg gcgaggttgt ttcgcagcaa 180
tcagacggta agcatcatcc actgtcaagt agatcagcac tgacagtatc agcgcttgac 240
aacgacctta aatatctcta ctctcgaac gagtgtctaca ccggctcagg caactgcggc 300
cttttgcagg gttacagtat gtag 324

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<210> 15756

<211> 228

<212> DNA

<213> A.fumigatus

<400> 15756

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ttctctggtc gtgcagctgt acggataaag actaataggg cagaaatcac caacgtaacg 60
gtcacactca gcgctgcgga tgaatcgctt ggcaagacca tggcgctatt ctctgtact 120
gacgctgggt ttgcgacgac cgataacggc aggacttggt atacggatta tattgccatc 180
caggagattg attttggattc ttcgtcggat gccagtgtcc aggaataa 228

```

<210> 15757

<211> 498

<212> DNA

<213> A.fumigatus

<400> 15757

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ccaattcggg gctctgggca cttttatccc gccaacagtg tattcctcgt catggatttc 60
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atcaagacct tcatgcttca aatcctttcc ggcgtcgagt ttctgcactc ccattggatc 180
atgcaccgtg atctgaagac ttcaaacctc ttgatgaata accgaggcga gatcaaaatt 240
gccgatttcg gcatggcacg gtactacggc gatccgcgcg cgaagctgac ccagctggtt 300
gtaacgctct ggtaaccgtt ccccgagctc ctgctgggcg cagaaaagta cgggccggaa 360
atcgacatgt ggagtattgg gtgcactctt ggcaattgct tcaccaaaga acccttggtg 420
cagggtaaaa acgaagtcga tcaagtatca aaggtaaaac acccgctttc attctacatt 480
cagatccggt cgtgctga 498

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<210> 15758

<211> 504

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (77), (95)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15758

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gctctcacgg	cctttcntat	tcagcaaaca	tggcntgggt	tccgttcctt	tcccaatggt	120
aaatcatttc	gccttccacc	tacatccaca	tcgggggtga	ctgaaaaccc	tcccttactt	180
ccccgctcaa	agttccctt	tctcaccaat	tctggcctgc	ggcttctgtc	gtctttactg	240
gcattgaacc	caagtgcgog	cccttctgct	caggagtgtc	tctcacataa	atattttcgg	300
gaggaccac	gaccaaagcc	aaaggagatg	tttccgacct	tcccatccaa	ggcaggcatg	360
gagaggcgaa	ggcgtcgtga	gactccagag	gcgccgaagc	gcggccagga	agctcccgcc	420
ttggactttg	ccagtgtatt	cggtgggtcaa	tccagtggcg	ataccgggga	aacaggcgct	480
ggctttacct	tgcgtctggg	ttag				504

<210> 15759

<211> 198

<212> DNA

<213> A.fumigatus

<400> 15759

cgggacctgg	cgggggctct	tgaaatcggc	gatggagtgc	ggcccaagtt	ttgttattcc	60
gatagcgtca	ccatcacagc	caggctgtac	cacctccttc	cgcattcat	ctcccaactc	120
aacgctgac	taaacgttac	tcatcaacga	cactattcac	atcaatcggc	aaaatctact	180
ggctttggat	tttcctaa					198

<210> 15760

<211> 753

<212> DNA

<213> A.fumigatus

<400> 15760

tccttcatag	gggccatgtc	cgccccaaaca	aaatcgcgtt	gggcgcgcga	agaccccgag	60
gacgacgcca	tcatcgccca	gcgaaaacgc	gaaaaggaag	agaagagacg	cgccaaggca	120
gagaaacaac	gtcagctgga	ggagcaagca	cgacttcaga	cgcacaagc	caaacagcag	180
cagcaagcag	acgcgtcaa	tggcgactcg	gaagctccgc	ccaagaagcg	tcgcccgtcg	240
tcgaacgaac	agccccagac	ctccgcagtg	tcggagtctg	cagccaaagc	gccggccgag	300
cagacacgat	cgacctcct	gcggtttctt	gggcctgaat	ggggaccgtg	tcggcttgtg	360
gataactttg	aacggctgaa	tcacatcgag	gagggttcgt	atgggtgggt	gagtagggcg	420
aaggatatca	ccaccgggga	ggtgggtggc	ctcaagaagc	ttaagatgga	gaattcgccg	480
gatggctttc	cggtaacggg	attacgagag	atccagacgc	tcttgggaagc	tcgccatacg	540
aacattgtat	atctccgcga	ggtcgtcatg	gggactaaaa	tggatgagta	tgctctccct	600
tcctaccctc	tacccccagg	ctttcaatgt	cctcttcag	cattgggtgct	gcttccaccc	660
cgaaaagtgc	aagatacacc	agtattaacc	aattcggggc	tctgggcact	tttatccgcg	720
caacagtgta	ttcctcgtca	tggatttctt	tga			753

<210> 15761

<211> 480

<212> DNA

<213> A.fumigatus

<400> 15761

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gtagatctga	ctattaatgg	gctggcacca	ggaaaatact	gggcaactgt	cggggaagcg	120
ggggatatct	cgcgaggcgc	agagtctacc	gggggtatct	gggaggcctt	gaaggctaag	180

gtgatggg	ccgaggcgcc	caaggagccg	cgcggcgtgt	ttgggagtgt	ggatgtggat	240
aagcacggtc	gggggaatgt	cttccttggat	cgaccgggtg	cgatttggga	gctgattggg	300
eggagtatgg	tcgtatccaa	gagtcaggaa	ggcccatctc	aacgagagga	ccctgatata	360
ttggtcgggtg	tgatcgctcg	cagtgcgggt	gtgtgggaca	acgacaagac	ggctctgtca	420
tgttcccgaa	agaatgtatg	gcaggagcgc	caggaacagg	tctctcaggg	aatgctgtag	480

<210> 15762

<211> 216

<212> DNA

<213> A.fumigatus

<400> 15762

ttcatgttcg	tcataccagg	cgctcaagagg	gtggaagcga	atctcaaaga	tcagctcgtc	60
ttaatcgagg	gcacagcgcc	gcctagctcg	atagtcacag	ccattcaagc	tactggccga	120
gatgcgattc	tacgtggaag	cggcacgctg	aacagtgtgt	tatacctccc	cttcagccga	180
cagacttggtg	aggggtggcac	tgatctgggtg	gtgtga			216

<210> 15763

<211> 213

<212> DNA

<213> A.fumigatus

<400> 15763

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ggaatgattc	atacatggct	gttgcaatct	agttctctag	gagcgggaacg	agatagcaag	180
caagacgtgt	tggagtctag	atggggcaaaa	taa			213

<210> 15764

<211> 402

<212> DNA

<213> A.fumigatus

<400> 15764

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gaaggctcgtc	ttacagagga	gcaggcgcta	tggattatac	atgccggaac	tcagattctg	180
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gggtcaatact	atgacttgat	gaaactcttc	gaagtcggtg	gcgatccgtc	cgagacgagg	300
tatctttttcc	tgggtgatta	tgctcgacaga	ggttatttca	gcattgaggt	gagagatgac	360
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<210> 15765

<211> 291

<212> DNA

<213> A.fumigatus

<400> 15765

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aaatacagcg	agcgtatcta	tgaggcctgc	attgaatcat	tctgcgcgtt	gccgctggcg	180
gcggtcatga	acaagcaatt	cctgtgtata	catgggtggc	taagtcctga	acttcacact	240
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<210> 15766

<211> 210

<212> DNA

<213> *A.fumigatus*

<400> 15766

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cacggtttga	tgtgcgacat	cctgtgggct	gatccgcttg	aagagttcgg	acatcttcac	180
cacaggcggc	gacggatccg	cagtagtggt				210

<210> 15767

<211> 2064

<212> DNA

<213> *A.fumigatus*

<400> 15767

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ttccacaacc	tcaaccccag	cgtaaagcct	tctttcaagc	acctttcaat	agcgacttca	180
ccccagccct	ggcccggtgt	gcctcctgac	acaccgctac	gggcaagtgt	taacggattt	240
ggctcgggtg	gtactaattg	ccatgcaatt	gtggaaagct	acgtgcccg	aattcatgac	300
aatggccctt	ggggaaagcc	aaaagagatg	agacaggtcc	ccaacgggtg	cgccgcaccg	360
gagactgact	tctcccctat	acctctgatt	ttttcagcta	gctccggaac	agccctccgt	420
gccatgctag	agaggtatca	agagtatctg	gagaggaccg	aggtgtccct	tctacgcctg	480
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cccgatggac	cagagtgggt	tctgaaagag	gagatcatga	agcctccaaa	aacctcgcgc	840
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atggaggagc	tgccctggct	gcgggaccat	tgtgtccaag	accagatcat	cgttccggcg	1980
gctacctact	ccgtgatggc	tctggaggcc	gccaagtcc	ttgcaggggg	cttcaccacg	2040
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<210> 15768

<211> 1143

<212> DNA

<213> *A.fumigatus*

<400> 15768

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ttgtgggatac	tactctactc	gccgcgggat	ctcacgagag	aagttcccg	ggaatcacgg	180
ttcaacccca	agggtttcta	caatgtcgac	ggggaacatc	atggggcaag	caacgcaacc	240
aatgtgtact	tcattgagga	ggatccgcgg	tatttcgatg	cgggattctt	cagcatcgcc	300
ccgcgcgagg	ccgaatcgat	cgacccgcaa	caaaggctcc	tgctggagac	agtgtacgaa	360
gcatggaaga	atgcagggct	taccctgaat	ggaatgcgag	gcagcgcgac	ttcagcctac	420
atggggcgcca	tgtcggccga	ttacaccgat	acccagctga	gagatatcga	gaacgtctcc	480
aaatacatga	tcaccggaac	ctcgcgcgca	ctcttgccga	accgtctctc	ctactttttt	540
gactggaaag	gcccgctgat	cagtgtcgac	acggcctgct	cgtcgagtct	ggcggccgtg	600
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aatatcattt	tgaacccga	ttgtacctt	gccgcgacca	gtctgcattt	gctttcaccc	720
acgggtcgct	cacagatgtg	ggatcaagcc	gccgacggat	acgcccagg	cgaggcgctg	780
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tttttcgtga	ctaacccttt	tgtgtctctc	aggaaccggt	actcaagcgg	gagatcccag	1080
agaagcatat	gccattgcca	ccacgttttt	cccgcctgga	gaagaccaca	gtcatcgacc	1140
taa						1143

<210> 15769

<211> 219

<212> DNA

<213> A.fumigatus

<400> 15769

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atcttttacac	gctgaaata	cgtaaccag	ctcaggtcag	atgactacat	tatccttggg	180
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<210> 15770

<211> 456

<212> DNA

<213> A.fumigatus

<400> 15770

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atgcccacgc	cattgttctg	gacagttaag	cgatcgcca	aagaacgcgc	ggcccttggt	360
ggaatttttg	ccgtcggtgg	cttcgtctgt	ctcaccggca	ttatccggct	gacctccttg	420
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<210> 15771

<211> 384

<212> DNA

<213> A.fumigatus

<400> 15771

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caagatgcaa	ttcagctcct	taccgttttg	ccgctggcgg	cggttgcttt	tgctcaatgt	180
aagttttcct	ctgttatcaa	ctcgcagcta	acgttactag	gcgatgacga	tgtggcagtg	240
ccaaaagctg	tgtctctatt	gtcccagcag	gaaatcttcc	ttttgattga	tccgtatgaa	300
cttgtggatg	gcaagctgga	ctgttatgtc	aacttctact	tgcttgagcc	ttgctcaatt	360
attaatggta	gagttgaacg	ttag				384

<210> 15772

<211> 723

<212> DNA

<213> A.fumigatus

<400> 15772

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cctttcgata	aatataaaatc	acggactcta	gtgactagtc	cagaacatca	aacttatgcc	120
aaacaacgtc	aaagcacaat	gacaagccca	ttctcaagta	cgctgggtctc	gccggccgaa	180
ttccacgccg	ccgtgaactc	acccacaaac	acccgacgga	tcgtecccggt	agccgccggc	240
cgggcgacag	tacacacccc	cgcctatcat	gcccgacata	tccccaactc	cgtgtatgtc	300
cccgcctcaa	ccaccagca	ccagcatgct	aacgagcgca	gcttcttcga	catggatctc	360
atcagagata	ccacctcgcc	atacccccag	atgcttccca	ccgcgcgaca	cttcgcgtcc	420
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gtgggggatct	acagctcgcc	gcgcgtggcg	tggatgtttc	gcttcttcgg	ccaccaggcc	540
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gagatgcgtc	ctctcccgtc	tgtgggagag	tatcgtgttt	ctccaccgga	cagcgaccgg	660
gtgattgcct	ttgaggagtt	gagggagctg	gttttgggtg	gtggcgaggg	attccagatc	720
gat						723

<210> 15773

<211> 246

<212> DNA

<213> A.fumigatus

<400> 15773

aaaagcttct	attttcgccc	cattgtccag	tctctgttgt	ctaacaagca	cataagcacc	60
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acaactgagg	cgtcagcgtc	taatctacta	ttgaaaggta	gatgtagcat	tggttcatat	180
tcaatcaagc	tctccaggaa	ggcgcttaat	cactctacga	ttgtccatgt	catagatgtc	240
aactag						246

<210> 15774

<211> 630

<212> DNA

<213> A.fumigatus

<400> 15774

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agtcaggact	ggacacagtg	gatgcgatgg	gatgacgagc	aagcatttcc	agaaactgca	180
aatgcttcgc	ctagctcccc	atgtgacctt	gcatttatat	cgccaagtgc	ctcttctgga	240
cgggaggcat	ctgatgcgat	gcacaaagac	ttctcacctg	atatatctct	agatttcaaa	300
agcccttcgc	ttggattttt	ccggggcgga	gatctgaata	ccaatgtatc	ccctcagcca	360
gatcatgttg	gtgcgggggtc	actgtcagtc	cactctaact	ctccctctct	gtcgattgggt	420
gcgagccgca	aacgcaagac	tggaagcgat	gacgatggat	ctacgatgac	aagcatgttc	480
aaagctaaac	aggcgccatc	caagaaacga	gcgcataatg	tcacgcagaa	gagatacaga	540
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tacaagcagg	gcaaacggca	actccggtga				630

<210> 15775
 <211> 2193
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (2152)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15775
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 gatgacgatg atggtgtcac ctacagccagc aaactcaaca aagcgtccat cctctcgaaa 120
 gcgacagagt acatacgcca tctcgagatt cgtaacaaga gattggagga agagaatacc 180
 gcgctgaaga tccgattacg tcagttggac aaggccgctg atcagattgt tacctctgcg 240
 gcgctcagtct catcaccagc cgaactgtacc gtatctacag agtcaggggc gagctcatcc 300
 ccgagtgtgt tctcgacgac agaggacggt ccgagtgatc actctccaac ttcttcacac 360
 cctcccgaag gattgatcaa agttccggat gcttggaaac gcatgagggc tgccggttca 420
 aatgagagcc cctactcgca atcgtaacac caatataaga agaccgacag tcaactcgtc 480
 caatctggtg gaggacgtat gcggtcgcac cttcccaata agtacatgct gggcgccctc 540
 gccgggctca tggtaacttga aggcctaggc acagaaaaga aaacagaatc aacggcaaaa 600
 gggctgcttg cggtaccttt gaacctgttg aatagagttc agctgccgtc agaggtttac 660
 tcaagcgctg cgttccagta cttctggtcg tcttggcacg cgcgcgcaat ttcccacttt 720
 ctgatgcttg caattcttgt cgttggtagc gcttttattg tcttcgtcta tctgttcaat 780
 tcagatccga ggcggcaata ctccgcctcc aaagtcgctc ctgatgttac actttcgtca 840
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 aggttcttcc acgagtggta cgttgttaca tctcgatgtt ttgaatacgt tttgcggtgt 960
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 cgcgtgaaaa cttgggatat tgcaatcgac ggcgaattgg ccggcggcga tgcagaaatc 1080
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 ctgcccccttg acccagtcga gcttactctc ctcgaaattcg cgggtggttta tcatcttctc 1980
 catatcttgg cgtcagacat cgactacctt gcttcgtcag attcgacggc gccgtcctcc 2040
 ccgatgtcca aggcacgcga catgttgtca tcatcttcag atgatggtga agacgggtgc 2100
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<210> 15776
 <211> 864
 <212> DNA
 <213> *A.fumigatus*

<400> 15776
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gacggcagcg gctacctcaa ggcgggtaac cgcggcgggcg ccacccatgat ccaggccgcc 1500
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<210> 15779

<211> 405

<212> DNA

<213> *A.fumigatus*

<400> 15779

cggcaaggat atcattccca ccgtttcctg gggtaacttc ccgcaggacg ttgttcccat 60
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 agcgtgccct cgagtacatg ggtctcgtgg ctggcaccg gatacaggac attcccgctg 180
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<210> 15780

<211> 474

<212> DNA

<213> *A.fumigatus*

<400> 15780

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 gcagctcccg cgagcacgcc ccttgggccc tccttgactt tggcatcaag tgcattcatg 120
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 cctccagat ggaggacaag atccgtgctt tcgaggcaaa gcgcacctc gagacccct 420
 ggctcgacgg cagcggctac ctcaagcgcg gtaaccgagg cggcgccacc atga 474

<210> 15781

<211> 570

<212> DNA

<213> *A.fumigatus*

<400> 15781

cgtacgttag acgcccttca ttccgcctac tgtcacaatt cgctaactga tattcttagt 60
 gccatttgct taccatcgc cattatcctg tggagtgtcg gtttgcttgt tttcttcggc 120
 ttgccgaatt actaccggca gatacccggg aaagtcccat ccttctacaa gtctgtcttc 180
 cggcgaaaga tcgttctgtg gaacttcgtc gttgtcatcg ttcagaactt ctccctgagc 240
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 atgcggaagc ctggcaggtg ggaattttgt gtgccttttt ctttggcgct gtctgggccc 420
 cgctgctgta cttgttcggt tacctatcca agtctcatag ctggatcatt ccagtgttcg 480
 cctgcggctt gggggctcca cgatgggccc aggtgctttg ggggtgtctca gggattgggc 540
 tgtatgttcc ctgggctggc ggggacttag 570

<210> 15782

<211> 594

<212> DNA

<213> *A.fumigatus*

<400> 15782

gtgcggccgc cagcaccctg gcgacctcg aaattgcggt tggaggtgct ggcgcagcgc 60

tcctgggggg	agaggatgtc	ggggttcatg	cccaggcaca	tggagcagcc	ggcctcgcgc	120
cactcaaaac	cagcatccgt	gaagacgcgg	tcaagcccct	cggcttcgcg	ctgctgcttg	180
accagaccag	aaccgggaac	aaccatggcg	cgcttgatat	tggcggcaac	cttcttgccg	240
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atccttgccg	tcaagaacca	cggttttgtc	gtagacagcg	ccctcatcag	acgcgaggct	540
cgaccagaag	gcgacagcct	tcttcactc	ggcgctgtcg	tacttgggag	ctag	594

<210> 15783

<211> 480

<212> DNA

<213> A.fumigatus

<400> 15783

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ccatggcggt	atgtcatata	tccgaggggc	gcattctgca	aagcatttca	ttcagtcgcg	180
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<210> 15784

<211> 588

<212> DNA

<213> A.fumigatus

<400> 15784

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aacaatattg	gtccgggccc	gatctcacca	gacctgacgg	ccggagtcag	ctcggttgcc	540
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<210> 15785

<211> 1401

<212> DNA

<213> A.fumigatus

<400> 15785

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ggcctcgcgc	cactcaaaac	cagcatccgt	gaagacgcgg	tcaagccctt	cggcttccgc	1140
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catgtactcg	agggcacgct	tgccaggcga	ccttgcggtt	ctcgtcctcg	aagtcgtcgg	1380
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<210> 15786

<211> 195

<212> DNA

<213> A.fumigatus

<400> 15786

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gcgctggcct	tgggtcacac	aggtacaaac	tgtgtcattt	tagctgcctg	gggagagggc	120
tttgtctgtc	atatcgatgg	agagggcagc	ctatcctcgg	attttcagag	ccacaacgat	180
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<210> 15787

<211> 252

<212> DNA

<213> A.fumigatus

<400> 15787

agcaatccga	cagtcagcca	ctccggttct	caactggcag	tgagtctttt	gcacatgaca	60
gtaacctatg	attatgctca	tctctctgga	aactatcctt	tgtgcagtga	cctgaaagag	120
attaagcact	tcttggcctc	taatcccca	cactgggacg	gtcgtctcag	catgactggc	180
tgggattctc	tccagctgac	ctcattctca	acggtcacca	tagtacagat	ggagtacaaa	240
ctgcgtcggg	aa					252

<210> 15788

<211> 342

<212> DNA

<213> A.fumigatus

<400> 15788

tgcaatcac	aaagggaaaa	gggagaatac	caagccacca	accttcgcca	cagtggctcc	60
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ttcacagtgg	atctgacaat	cgatgcgcaa	ctcttgagaa	actacggagt	tcagaccaag	180
tgtcatcgaa	gtcccggtat	tctaggcctt	cgcgctactc	atggctgtac	gaagctgttt	240
tcttcgtgca	tcgaatctgg	ggctgtgggt	cagaaggatc	ttcctgtgtt	gattttgagc	300
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<210> 15789

<211> 189

<212> DNA

<213> A.fumigatus

<400> 15789

tccttcactg	tgaccatgag	ccaatccatg	ttcgagactg	cagcctatgc	gactggatac	60
tgttcagttg	ttcagttgac	cagagtagta	tgccagtacc	ttacgacttt	gaagatgcca	120
ataaacctgc	ccactagcaa	cagttcctct	tcaagtgtct	cctatctctc	cgagtatgta	180
aaagtctag						189

<210> 15790

<211> 699

<212> DNA

<213> A.fumigatus

<400> 15790

cgggcttcgg	tctctcaaac	atggaatata	ctcccgtaa	gttcatcata	aaatgctttg	60
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cagggtccgtt	tggtcctatt	gcagggtggag	tatcaactga	cgagaccagg	tatctggcgc	180
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gctgatttgg	agaagtcat	cccccggtggg	cagatcatca	aggaactcgg	cgggaccgag	300
gactggcagt	acgagtacgt	ggagcctgac	gagaacgaga	acgaccgcat	ggaagacaca	360
acggcgcggt	atgcgctgct	ggcccaacgc	gccagcatcg	gcgacgagtt	actcaacacc	420
acgtccaagt	ggattacagc	catcaagaac	aaggatgagg	aggaggcagc	agctgccaa	480
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gtgcgtagtc	ggaactatct	ggaccgaacg	ggggtgatca	aggttggggg	caagatcgac	600
ttctacccaa	aaagccaacc	ccagtcggat	gttgaggtgg	ccaaggctcg	ggaggttgag	660
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<210> 15791

<211> 825

<212> DNA

<213> A.fumigatus

<400> 15791

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caattatgga	caatcattct	gactctgtca	gacgctctga	catctaccac	cacgatagac	180
acaaatgagc	ctcagcacag	acgcaactcc	tcctctgctc	ggaccaaac	gacggcctca	240
aagggttagca	ccgccactac	ccctacttgc	gctgctcagg	tctctcagca	cctccagaga	300
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gaggaaattc	gagacggtct	cctaagcacc	gcaaaacacg	atcaccacga	tgactgctc	420
ctgcgcttcc	tgcgcgcgcg	caaattggat	gtcaccaagg	catttggtcat	gatgctagat	480
gcaattctgt	ggcgaatgaa	ggacttccac	gtcgacgagg	aggtcatcgc	caagggtgag	540
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cggcccatcg	tcgtgatccg	ggtgcagctg	cataagcccg	gtgcgcagag	cgaagagaca	720
ctaaatcaat	ttatcatcca	tgttatcgag	tctgtgcggc	tgttactagt	gccgcctgtg	780
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<210> 15792

<211> 246

<212> DNA

<213> A.fumigatus

<400> 15792

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cccgtcaagt	tcatcatcaa	atgctttgaa	gcaaattacc	ccgagtcact	gggtgtgcta	120

ctcattcaca	acgccccatg	ggtgtttctca	ggtccgtttg	ttcctattgc	aggtggagta	180
tcaactgacg	agaccaggta	tctggcgccct	catcaaaggc	tggatggatc	ccgtcattgt	240
ctctaa						246

<210> 15793

<211> 204

<212> DNA

<213> A.fumigatus

<400> 15793

tgtgcagtga	cagaaatgtc	agtcaaagaa	ctaggggcca	ggttggcatc	cctcagatgc	60
ctggccaggc	tgacgcggtc	atggatacct	atttttctct	tcgatgcacaa	caatgggtatt	120
gctattctat	ccctgagcgt	gtttaacgcc	tgcgagtaaa	aagaccccg	taacatctct	180
gggaattgcg	tctttttttt	ttag				204

<210> 15794

<211> 342

<212> DNA

<213> A.fumigatus

<400> 15794

aaggggaagcg	gctcgatata	acagctgttt	ttagtcatta	tggttacggc	taccgtcgaa	60
ctgccttacc	tcgcgagcca	ttacgctatt	gcggagtcaa	cacttactac	ccttaccctaa	120
gctcccacgg	tcgagctagt	caaccagttg	ctggaggcca	ttaccaaaaa	agctcatgaa	180
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agcagcgact	caaagatcaa	ggtgctgaaa	agctctgtgg	aaaaaagcca	tacggaagtt	300
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<210> 15795

<211> 960

<212> DNA

<213> A.fumigatus

<400> 15795

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tctctgctcg	aagcatcaaa	cagggataacc	ctaggacttc	ttgagtcaaa	gagtgtctgt	180
tacgacaaac	ttgcggaaga	actttccgcc	caacacaaga	ggacaattga	attgagacgc	240
gagctggcta	ctgccgaaca	aaatcttcag	gcggccaact	cggtatcggc	cagcgcccg	300
tttcgtgaac	agagcttgca	gcaggagctg	gacttgacga	agaagaacaa	cgaatggttc	360
gagacggagc	taaagacgaa	atctgcagag	tacctcaaat	tccgcaagga	aaagaccgcc	420
cgaattgccg	agcttcaacg	tgaaaacgag	gaagcaaact	caacaatcga	ctcgctaaga	480
cgcagtgaac	atgctctcaa	aagccgtttg	gatgaggtcg	agcaacgata	cgaggagtgc	540
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gaactggata	gcactaatcg	tctggctgaa	ttgcaaggaa	atgccgcgca	gactgccaag	660
cagcgtgtgc	aggagtgtca	gctcgctcta	gaaaaagcaa	gagacgatgc	ggccgaagag	720
atctctcgac	tccgcgttga	gatcgaaaaca	gagcacgctg	acaaggaggc	tgccgaacgc	780
cgtgtcgctg	aactagagtt	gactgttact	caattgcagt	cggaagggtg	tactgcagga	840
agatccatga	gcccggctcg	tggcttgaat	ggtacaggac	ccagtacgcc	tgtccgtcct	900
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<210> 15796

<211> 960

<212> DNA

<213> A.fumigatus

<400> 15796

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gcaagcggtta	ccgactatgc	gaaccgtatg	ccccagcaga	gaaggtttgt	ccacaacggc	180
tcgacaagca	cttctcaggt	accatcatcc	acctcaacac	caacaccagg	tagcgacgca	240
cagcggaaga	ggcagaatgc	agacatcgtg	tactcgcagc	ctgccaatac	cggcacgggc	300
aaggacatca	tgacacaggt	gctcttttgc	ggtgaacact	tgaaatcgaa	gggcgttccg	360
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caacaggccg	tcaaggagga	gctggggaaa	gctggtatca	caccaacaag	caagaacaag	840
atcgtcaagg	tacggccaaa	ggtcgagcag	aaaaagggtca	agaaacctcg	tcgcagtggc	900
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<210> 15797

<211> 207

<212> DNA

<213> A.fumigatus

<400> 15797

gagaataaca	tcgagcttct	caaaaagaat	attatcggag	tgaagggtgag	gattgagcgg	60
ttgcagggga	agtttaagat	gagtcaggag	atggggggcg	gggaccggga	gggggttatt	120
gaggggtttg	agaagctggg	gacggagggt	gggatgggca	tagcaaagac	ggttaaagag	180
aggggggaca	tgaaggataa	gaaatag				207

<210> 15798

<211> 570

<212> DNA

<213> A.fumigatus

<400> 15798

gaagataatg	atcgtatatg	caagctcttc	attgtctatg	acagtaatca	aaaccattt	60
cgcaatttga	tcccactggc	agtaaaggat	ccccttctgc	tcagcacggg	tcttgctctc	120
gcagcaaggc	acagagcaaa	tgaaggccag	acctttaatg	gcatggaagc	accagttcct	180
tggactgaca	atgcccaaca	caatgcactt	gttttcaaac	atcaggcgat	acatggcctg	240
tctcaaactc	tcggggatcc	agagtcgtgc	agatcagatc	cgactattgc	gagcattttc	300
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ctgaaccttt	ctgattctaa	cacgaaacag	aatcgagaca	cttggtggga	cctttgtacg	540
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<210> 15799

<211> 1419

<212> DNA

<213> A.fumigatus

<400> 15799

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acccgcctgg	tacagtccca	aagcacggat	atgaggattc	agtatggtca	ggttgtagcg	120
tgtcacaac	atatctgtgt	ccgtgagcgc	aataaaagcc	gtgccgttca	aggctgggtc	180
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cagctcggta	taggtcaagt	tcagctgcga	caaccaagcc	acgaacgagg	gcttgcccgc	300
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tccgcaatta	taaccocgtga	cattgtttgtg	gacacaggac	tggcccgcgtg	ggattgtcga	480
attgcttggga	tcactagtgc	ggtttccgac	aacttcccat	gctgcggtag	cattggcggt	540
gatgcggttg	gggttggcct	ggttgaccac	atgcaagttg	gggaagttct	gccagaccag	600
ccgagtgttg	ttcgccgggc	aggacgaaat	gtactgggcc	agcagtgtcc	agtgccagga	660
ttgcgggata	ccggcagcga	accatatggg	catgggttgg	aggccaagaa	gctggcggaa	720
gatagactgc	tgcggggcct	caatggcttc	cgcttcgacg	accagggtcg	cgacctcctt	780
agagtcgaga	tggtcgcact	agccccaggt	cccggactcg	ccccagcggg	tgagcttgac	840
gttgaagtgc	atgaactcgc	ggaccgtcct	gaaaggatag	ttttatgtgc	actggcggtg	900
ggcagactcg	cccagcatgt	tgtcatgag	gggtggcggtg	ccggcctcgt	gcgtggccat	960
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attgtagtac	gtggcggttg	ggttgggctg	aatggggata	gtggccgcca	gcgtggaagg	1260
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agtcgtggca	ctgttgacga	gcggaggagc	cgcaccgggc	tcattcccac	ggggcggttg	1380
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<210> 15800

<211> 492

<212> DNA

<213> A.fumigatus

<400> 15800

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aactccatgt	ccttccctga	attaacagga	aataccttcc	ctcgcttttg	tacaaccggc	120
tttggggagg	ccatggacgc	tgacgcggag	actactttct	ctattcggat	gcaaccgaaa	180
cagggccgac	ccggaagtaa	cctgaatcat	gaagtgcgaa	tgagtctgaa	gaatgccatg	240
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atctggttgc	caagcatgta	cgtcatagtc	atcgtggaca	ctctcatcta	cctcgggaca	360
tctctatata	aatctgggaa	ctgcctccga	gccaacacac	ttggaacgag	gggaaaaaac	420
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<210> 15801

<211> 711

<212> DNA

<213> A.fumigatus

<400> 15801

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tccctcatct	ggatccttgc	cggtcttgcc	gcagcagtc	cccttgtgtc	caactcagaa	180
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attcagccca	acccaaccgc	cacgtactac	aatcccaatg	gcaagttgac	tgagccaatg	420
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gtgcagagcg	attttgacta	ccagtcggtg	gctctggg	tccaccagga	atatatcgag	540
ctggaccttt	tccactatgg	tctcgaagtc	ttcagcgcg	aggactttct	cgatgctggt	600
ctcactgtcg	aggaccgcg	cctgatcgaa	tacatggcca	cgcacgaggc	cggccacgcc	660
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<210> 15802
 <211> 741
 <212> DNA
 <213> *A. fumigatus*

<400> 15802
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 gctgccggta tcccgcaatc ctggcactgg aactgctgg ccagtacat ttcgtcctgc 180
 ccggcgaaaca aactcggct ggtctggcag aacttcccca acttgcattg ggtcaaccaa 240
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 agtgagggtct ttgagacaga cccagccttg aacggcacgg cttttattgc gtcacggac 660
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 ggactgtacc aggcgggttg a 741

<210> 15803
 <211> 291
 <212> DNA
 <213> *A. fumigatus*

<400> 15803
 agtccctcat ctggatcctt gccggctctg ccgcagcagt ccccttctgt tccaactcag 60
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 gtgcccgtcc tccgctcgtc aacagtgcc cgcactggct caccacccac ggtgcctact 180
 ctggcacccc taccaccacc ggtgctgagc agtatccttc cacgctggcg gccactatcc 240
 ccattcagcc caacccaacc gccacgtact acaatcccaa tggcaagttg a 291

<210> 15804
 <211> 585
 <212> DNA
 <213> *A. fumigatus*

<400> 15804
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 tacggcccca agaacaccca gagcctcaag agctgttggc acctcgcgca ggcgctcctg 180
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 gcggccaaga gcgcgcagac ggagaatctg tccaagacgg tcctgcgggc caagcaacag 300
 atctgggctg cgaaggagac tgcccggctg cgggagatga atgataccct ggcgacggtg 360
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 aagggagaga tcgggcagac ggggtttgtg gaggatcaga aggcgctccg tcgggatgag 480
 gaaaaaata ttcaaacgt ccgggacgcg ttccgcattg cgtccaacgg ggatatccag 540
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<210> 15805
 <211> 198
 <212> DNA
 <213> *A. fumigatus*

<400> 15805
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gcgtatatattg acacgggtgtt ggtggggatt tgggaagcca ttgttattgg aagatattcc 180
cttcttttgg gggtttaa 198

<210> 15806

<211> 639

<212> DNA

<213> A.fumigatus

<400> 15806

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atcacccgact acgagcggga atttgctgct gctcagtag 639

<210> 15807

<211> 216

<212> DNA

<213> A.fumigatus

<400> 15807

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tactgtgaaa gtggggagtg gagcatcgag tcgaagttct tgaagctgag actgtccat 120
cttgatatta cacagtacaa gctgcgtcca tcatgccctt tttccgacat ggatactctt 180
gcgcggtgga ttgtccttcg ctgtcaatcc tcataa 216

<210> 15808

<211> 234

<212> DNA

<213> A.fumigatus

<400> 15808

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gtggacccta tcaccgggt gcccatgacc gtcaacgata tgoggcccaa ctatgccctg 180
aaagctgcgt gcgaggagtt tctcaacaag aacggctggg ctgtagactg gtag 234

<210> 15809

<211> 483

<212> DNA

<213> A.fumigatus

<400> 15809

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ccatcccacc tccgtatatt ttcaaccctt cacaccactt cccctaattt caagctgcc 120
caacagaaca ctctacccaa tctattttat cagctgtcca taaaacaaac agaaagaaac 180
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aaattcacc cgcacctgca gtcggctgcc gcctccatcg acaaggccgc tctgcaggct 300
gcgcttgacg ccgtcctcgc cggcggcgac gacgccaccg cagccgggaa cgatgccgtc 360

ctgaaggccg	gtttcgagtt	tgccacggaa	ctgggtaaga	tgctcgagaa	ggagcccggg	420
cgggaggaga	agttgggagt	atgtcctttt	tccttgcaca	cccccttggg	tataacagag	480
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<210> 15810

<211> 357

<212> DNA

<213> A.fumigatus

<400> 15810

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tccgatatcg	aaagcagtgt	caatgccatt	gttgatcaag	gacaggctcc	gatggctcta	180
cgacttagtg	gtcagctgct	gttgggtgtg	gttcggatct	acagcagaaa	ggcccgatat	240
cttttggacg	actgcaacga	ggctttgatg	aagattaaga	tggtagggtt	gattgctctc	300
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<210> 15811

<211> 504

<212> DNA

<213> A.fumigatus

<400> 15811

ccaaccatc	ggctcttcac	agcaccagac	gcacgggtcca	cagtagaact	gagcactgcc	60
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atattaccga	ttcggagaac	ggttcggggc	gcgggggccc	atgtcaaaga	ggagatatcg	180
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agagtgcg	tcacaatgat	cggaagtcc	tccggaatgg	cagcgaccgc	gagagaaaaca	420
cggatggtga	acatctcaag	gagctttcga	ccctgcacta	acccgatcac	aacaatcaac	480
gcgatcacac	caaaggagat	atag				504

<210> 15812

<211> 1557

<212> DNA

<213> A.fumigatus

<400> 15812

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cgtgacttca	gcatggaagt	tggtcgagat	gctcccgcct	cccgccatt	tgaagacgac	360
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<210> 15813

<211> 480

<212> DNA

<213> A.fumigatus

<400> 15813

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tcttcggaaa	gttcctgcat	tgcggattca	gagtcgcgct	gctgtcggcg	ttcttcagct	180
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tgggtcccat	cttcaccgag	atccatctta	tccagaggag	cgatcatctc	accgaggtcc	300
agctgcaagt	caacgtcgtt	gaacttgcgc	gcgtcactga	gaaggctcgt	ttcaaattgg	360
cggggagcgg	gagcatctcg	accaacttcc	atgctgaagt	cacggccgat	atgggtatca	420
tcatcatcgc	caaagttcaa	atcaactaat	gtgtggtcct	ccaagcgtgg	aggctcttga	480

<210> 15814

<211> 2178

<212> DNA

<213> A.fumigatus

<400> 15814

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aacgaactgc	cgcattgagga	accggagccc	ttgtggcttc	ggtttctcaa	acagttcaag	180
gagacactaa	tccttcttct	gttggcgtcc	gcggccatct	cattttttat	gggcaattac	240
gatgacgcgc	tcagcattac	cctcgtgtg	actattgtgg	tgaccgtcgg	gttcgttcag	300
gagtacaggt	ctgaaaagtc	cttggaggca	ttaaaccgtc	tctgtcccca	tcacgcacac	360
ctcatccgcg	acgttcccc	gtcgagcgt	cctcttatga	ataactctac	aactgctgct	420
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gctatcaaag	cgtcgagtac	ggttctggcc	tccgaacttg	tcgccgggga	tttggttctt	540
tttaccacag	gcgaccgcat	tcccgcgac	atacggatta	ctgcagctac	tgacttgacc	600
atcgacgagt	cgaacttgac	tggcgagaac	gagcctgtgg	ccaaatatcc	cgaggcactt	660
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cgatgggttg	gtcaaccgac	cgatgtcgcc	atcttggact	tgttagacac	ttttggtgaa	1500

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acaagtcagg	gtgacgagga	tgatcgatac	accggactag	tttttgctgg	gttgggtgga	1920
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gtgcgagtca	tcatgattac	aggagatgcg	gagtcgaccg	ccgtagcgat	tgctaagaaa	2040
ctcggaatgc	cagtaagaga	ttctccgggg	tgcaggcctg	ttctcaccgg	tcaggaccta	2100
gaccggatga	gtactgcgga	ccttgacaaa	gctgtcttca	ccacggggct	ggaagggtcg	2160
acggatgttc	tacaataa					2178

<210> 15815

<211> 531

<212> DNA

<213> A.fumigatus

<400> 15815

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gccgtcgagc	tgaattcctt	cgtggatacg	gttctcaaga	tggcgtagca	tcacggccag	120
gggcgcaaca	tgattttttc	cagcttcaac	cccgatatct	gtctattgat	cgctttcaag	180
cagccttcca	tcctgtgtct	cttcttgacc	gactctggcg	cgtctccagt	gagcgacatc	240
cgagccagca	gtctgcagga	agctattcgg	tttgcttctc	gctggagctt	gctgggcgtc	300
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tttcaatgct	accacgcgcg	ggcttctcga	tctgtgctaa	aactccgaat	agctccaagt	480
cgccgagggg	atcgatgctg	tgatcgctga	ctccgttctc	gccattcgta	a	531

<210> 15816

<211> 183

<212> DNA

<213> A.fumigatus

<400> 15816

tgtttattca	aacattgcaa	tcatacgtg	cgacttttgc	cttgggtgtca	gggcaaagta	60
atccgggcta	cacttacttc	catcatctgc	gataatcttg	tctacatctg	tacatatctg	120
aatggctgat	ttcgcatctc	catgtgtgcc	tctacaaagc	gtcaaccgcc	tactgtcact	180
tga						183

<210> 15817

<211> 195

<212> DNA

<213> A.fumigatus

<400> 15817

gctcaaggac	tggccaacca	gccactatcc	gaccttgtct	accctcacca	tgcagtgatt	60
gaccaggtta	tcattcgaac	ggaccttcct	caacgccctt	acatcggtac	ctccctcaac	120
ctacctcccg	actcgacgca	gaaaaatgaa	cgccgtagat	gcgacggagc	actacgaaac	180
aagtgcacgc	ggtaa					195

<210> 15818

<211> 1131

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (570)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15818

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ttcgtcaacg	cccatttggc	ctgcaactac	gccaacgaag	tcgcggtcgt	cgcacgcac	180
agccaaaagg	cgacatggct	gtacccgtgc	gagaccaaag	aggacaatgg	aaagagcacc	240
agcaagacag	ggagggatga	agacggcgat	gttgccatga	acgggtccgg	cgccggagca	300
ggagcaggat	ttgctgcggc	ccaggtgaac	aagtaccgcc	ccttccggat	cgtcgaggaa	360
caagtcaccc	gcaacctgcg	agaactcatg	gactcgacca	gcggcgcgga	cgtcgcgggc	420
accacctcga	cgatgatggc	ggggggcgctg	acactggctc	tcagccatat	caaccggcga	480
tcgattgctg	gggcggacgc	gcatggagga	accgctgctg	gaccaccggg	ggcggttgaa	540
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cgaattctga	tcctctccgt	gagcggttcg	acggattcgg	cacatcagta	catcccgatc	660
atgaactgta	tccttgcttg	ccagcggctc	catatcccca	tcgatgtgtg	caagctgagc	720
ggcgatcgcg	tgcttctgca	gcaggcgctc	gatgccacca	agggagttaa	catgtcgctc	780
tcgagcctc	ggggcctact	acagtacttg	atgatggcat	tccttctctga	ccaacgctct	840
cggagacact	tggtcatacc	aacgcgcgtc	gacgtcgact	tcctgtccgc	ttgcttctgc	900
catcgccgtg	tcgtcgatat	cggctttgtc	tgctcaatct	gcctgagtat	cttctgcgaa	960
cctcctgaaa	acggcgactg	ccttacttgt	ggtacccatc	tcgagatggg	tgactacggt	1020
gccaagccgg	cggttgtcgc	tcggaagaag	aagaagaaga	aggctcgac	caatggtgca	1080
tctgcgacgg	caactccac	acctacacct	acacctacac	cgggcccttg	a	1131

<210> 15819

<211> 1125

<212> DNA

<213> A.fumigatus

<400> 15819

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atcaagactt	gtggacatcg	gtatctcacc	gacaaggcca	tgattgtggg	cagcttgggc	120
accatggaca	tgcgaaagca	catggaagca	gtgaatcttg	accgtattcc	tatggttaac	180
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ggagagcccg	agattattga	tcctccgggt	caagataaca	tttctaccga	accaatcgct	300
ttccatgccg	cagacccaag	caaggtcagg	cttctgtttg	atcttattcc	cacatattgt	360
ggctcaaagg	atcagattgt	aggacgcggc	gttgctctgc	tttcaagcgt	caagccgaca	420
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atcggacacc	gcggttttag	aaagaatttg	gccagtcgca	gaccccttaca	gttaggagaa	660
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ggtattgatg	ccccggttca	tactctgaca	cttgagcaat	tccttcagct	tggtagagac	840
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gagctgaatg	agcgaatcaa	acacacgcgg	gatttcaaga	agaaggggtt	caaaggcaac	1020
acccgtggca	atcacatcca	agctccattt	gcaacgttgg	aggagctgtt	caagaagctg	1080
ccgaagtcgg	ttggattcaa	tattgaactc	agtgaagttt	tgtaa		1125

<210> 15820

<211> 780

<212> DNA

<213> A.fumigatus

<400> 15820

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taccaggaca	agaccgagag	cctgcacaag	tacggccaat	atgtcatgtc	ctgcctgccc	120
aaatacgttc	agcagttctc	tgtgtggaag	gacgagctca	cgatctacgt	tcctcccacc	180
ggcatcatcc	ctgtcatgag	cttcctgaaa	taccacacgg	cagccgaatt	cacccagatc	240
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gacctgtttg	gtgtcttctt	cagcggccac	ccggatctgc	gtcgtattat	gacggactac	480
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aacttcgaag	gaggcaccac	tgcttgggag	cctgttggct	ctggcggtga	ccggaaacct	660
gactcggtat	gtctggtaac	taactcctgt	gaagcgatgg	aaactaatat	ggttcaatat	720
agttcaagct	ccccaccct	aagccggagt	attcgacaag	gactgccaat	ccgattatgt	780

<210> 15821

<211> 261

<212> DNA

<213> A.fumigatus

<400> 15821

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gtcctctgga	tttttcttac	cgttttactg	tctttccagc	gaccgatcca	tttttttctt	120
ggtttcttcg	cctctttcac	cttccccctt	ctctcggggt	ctcggcttac	aggtatcggc	180
gtttcgcata	catctgcaca	tacgtactcg	attagtagac	tctcacaagg	acggtcacta	240
tgctgagtcg	cccgcacaata	g				261

<210> 15822

<211> 393

<212> DNA

<213> A.fumigatus

<400> 15822

cggatccggt	ttcacactag	gttcaaagca	gacttggcgt	tgaaacatcg	aaaggcggcc	60
gccgcaaaaa	agaaggaagc	tgaaaagcgc	gaaatcgagg	cttccagccg	gaagaatttg	120
gcgggggtta	gggtcgtaca	gaaaaacctg	gtttatgtga	tcggcctcaa	ccccacaata	180
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gagatcgaaa	aaatcgttgt	cagcaaggcc	aagccagggtg	gcaatcccaa	ccagggtatc	300
gggtgtctatg	tgacatatgc	caccaaggcg	gatgctgcaa	cctgtattgc	tgctgtcgac	360
ggatctacca	acggcgaccg	tgtactcagg	tag			393

<210> 15823

<211> 192

<212> DNA

<213> A.fumigatus

<400> 15823

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gacaacttcg	accttagccc	tctgtgcatt	gaagaatttg	atctttccga	caagaacttc	120
aagccatgcc	cttgcggtta	tcaggtgtgt	tgctccttgc	tgcttctctg	tgtgcattgg	180
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<210> 15824

<211> 555

<212> DNA

<213> *A.fumigatus*

<400> 15824

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caaccaatgc	gccgacaggg	cagtaaggat	gatactactg	gcatgcgaca	accagacggg	300
tctgctctcc	cctcgctcgg	cagttgggca	aacaaagata	gtgccatcaa	tcgcacccgg	360
cgagccagtc	tagcgggcag	ccaagcttcc	cagagccctc	gtccagtgca	tgccacgggc	420
gcacaggggg	tcgaggaagt	caagaaggcc	gagaagcagt	cgcaggagcg	acgccagacg	480
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<210> 15825

<211> 1305

<212> DNA

<213> *A.fumigatus*

<400> 15825

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ggtggcgta	aacgtcgagc	aatgcgggag	aaggcggagc	aggagcgcg	gaagagagaa	180
caggagcttc	ttcagaatgc	ggcgccgag	gaggaaagcc	gagaaagtgg	aagtttgcaa	240
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ggtcttctcc	agtcgcaaat	ggcgaggttc	aacgctctac	aggcccagaa	ccgtcagtct	600
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caggtcggcg	caaataccac	tgctgggcaa	gcgctatatg	ggagtcaggg	tcaaggtggg	1260
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<210> 15826

<211> 1059

<212> DNA

<213> *A.fumigatus*

<400> 15826

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gtcaccgatg	tcgcacccaa	gcggcccaag	aaggacaaga	gcaagaagcg	tcaggtaaat	360
ggcgatgtga	aggaaaatgg	cgcagcgaca	gagcccaagg	aggatattga	gattcccgat	420

gcgccaactg	gagaactcgc	ggatggggaa	caggctgaag	cgctgcgac	cgagaacaac	480
gagcaacagc	ctgatgcgaa	acgtccacga	ctggagaagg	aaccgcaacc	tgtattagca	540
gacgaattcg	agacggcgca	ggagcgtgag	gttgacgcat	ctgcaggctc	acaagccgca	600
aaggaaacaa	cttcgggtcaa	gttgctgcac	cagggttcggc	atcaagtcgc	cattccgccc	660
aactatccat	atgtaccaat	ctcgcaacac	aagccgcctg	agaaccctgc	gagggatagg	720
ccgttcacgc	tcgatccgtt	ccagcaagtt	gccgttgcat	ccatacagag	agaggaaagt	780
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actatcaacc	caacagcgac	ctgtctggtc	atgacaacag	aggtaggccg	ccatgactct	1020
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<210> 15827

<211> 780

<212> DNA

<213> A.fumigatus

<400> 15827

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ctaaggacgc	agctcgacaa	gtatgcagat	gacatacagg	cagtcctcag	ccaccacgat	180
tattctttgc	catttatgtt	accaggctcg	ttagtgcaca	tcaagcacia	agacaaagac	240
ttcggatggg	gtgtggttgt	caattacaag	caacgggaagc	caccaaagaa	ttcaacggag	300
gagattcctc	gtgacaagag	gtatgtcgtc	gatgttttgc	tcaatattgc	cgaagggccg	360
tctgtggcca	caaaaacgtt	tgaggagtta	ccgtcgggag	tcaggccagt	gaaagaaggg	420
aaaaactctc	ggatggaggt	cgttccagtc	cttaccgaat	gcctccgtgc	catctcgcat	480
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ttctgcattt	actttgtatt	ttgtgcatgg	ctgactatca	tcacagaaaag	tggaggtcct	720
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<210> 15828

<211> 1203

<212> DNA

<213> A.fumigatus

<400> 15828

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acaattccca	atgctatgca	gttcgccgaa	tggatcgta	agatgcacaa	ccaaccctgc	180
cacgtcgtat	atactgattt	cagacctact	cctctacaac	actacttctt	ccccgcgggt	240
ggcgagggga	tcttcctcgt	cgttgacgaa	aaaggagcgt	tccgcgaaga	gaacttccaa	300
aaggcaatgg	gcagtatcgc	agacaagaag	ggagatgacc	cgtccgatgc	tatggccaag	360
aggaagggaa	agggtaaaga	caagaggttg	aataagggcg	gaaatgaagg	cccgaagcgc	420
atttacaaga	tcgtgaaaat	gatcatgctg	aagaacctca	atcccgtcat	tgtcttcagt	480
ttcagcaaac	gtgaatgcga	ggcatgcgct	ctcaagatga	gtactttggc	tttcaatgat	540
gaatcggaga	aggaaaatgg	atccaagggt	ttcaacagcg	ctatcgagat	gctttccgaa	600
gaagacagga	atctgcctca	aattcaaaac	attcttcctc	tgctccggag	aggtatcggt	660
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ggagagcagg	ataggctcaa	ctcggctttc	catttggggt	acaatatgat	actgaacctg	1020
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4991

aacacggctg	gtgttgccga	ccttgagaaa	cgtatgctta	atcgcttgat	aacaggaagg	1140
aggatatttg	tgctaaccct	attgcagaac	tccaggaatt	tgaagaaaag	agggccaaca	1200
tga						1203

<210> 15829
 <211> 828
 <212> DNA
 <213> A.fumigatus

<400> 15829						
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tcaccccgcc	taccagaact	ttatgagcaa	tattccgaga	aggtagagtt	ggggacgaag	120
ataaaggaga	cgaagaagaa	gatttccgag	gctatgtcca	tcatgcagct	tgatgagctc	180
aagtgccgta	agcgggtact	tcgtcggttc	ggtttcatca	acgaggccga	agtcgtgcag	240
ttgaaggcac	gagtcgcctg	cgagatcagc	acgggagatg	agctcatgct	cagcgagctt	300
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ttcgttttgc	aggagaagtc	caaagaaact	cctgctctca	cgcgggacga	gctggcggaag	420
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tacgaatggg	cgaacggcaa	gtcctttgct	gatatctggt	acgtcgtcta	tctgtcggcg	600
ctctcgagtc	aaagtcctact	tcaaaaacta	acttgcctgt	ctcatagtgg	aatgaccgat	660
gtttatgaag	gattccttgat	ccgggtcttc	cgtcgattgg	aggagtgtct	ccgtcagatg	720
gcacaagcct	ccaagggttat	gggtaatgag	gaactcgaga	gcaaatttga	ggaagctctg	780
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<210> 15830
 <211> 354
 <212> DNA
 <213> A.fumigatus

<400> 15830						
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aagaagctcg	ctgagcatga	gctcatctcc	cgtgctgata	tcgcaggcga	ctcgtgcctt	180
caactgcacg	acttcggcct	cgttgatgaa	accgaaccga	cgaagtaccc	gcttacggca	240
cttgagctca	tcaagctgca	tgatggacat	agcctcggaa	atcttcttct	tcgtctcctt	300
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<210> 15831
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 15831						
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tttatccccc	ttgctatttt	tcgcttgggg	gcttcgatgc	tgtcctggtc	gtggatttct	120
cacgagccat	ggaatggctc	cctcggttat	ctgtcctacc	aacagagtaa	ccagtgtagc	180
cctcttacct	acaacttccc	gtggagtgcg	gagtggctga	ctccatactc	gatcggctga	240

<210> 15832
 <211> 273
 <212> DNA
 <213> A.fumigatus

<400> 15832						
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aacctccac  cgttccatat  ttctgtctac  ttgttccttt  ttgagagggt  tttgtcccat  120
tcgactactg  ccttccctgta  tactattcat  ttcttgctgt  ttgaggggta  cttcgtccaa  180
tcggttgaga  ctcgattcga  taaagacctt  tgcttcccag  tcctgttcgc  gtttgacatc  240
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<210> 15833

<211> 456

<212> DNA

<213> A.fumigatus

<400> 15833

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aagtcaaattg  aaattgttac  gctgagaagc  cgaagcaatt  tatccagca  gaattgggta  180
aaagaaaagg  aggagctttt  gcaacaggaa  tcttatctgc  agtccgaggt  cgagcaagca  240
aaagaagcca  tgcataactg  ggagattctc  gctatggagg  agcgatccat  aagagagagc  300
ctaggtgaaa  aggtcatcga  ccttgaagag  cagctggctg  ctcttaagga  ctcgatgag  360
aaagtcgctt  gcgagcgtga  ttctcagata  gccaccgtgg  acgggtttaca  acgtgctttg  420
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<210> 15834

<211> 306

<212> DNA

<213> A.fumigatus

<400> 15834

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gaggagctaa  ggcgggctct  ccaaggcgcc  gaggcgaaag  cttttgaggc  cgagtcagct  120
cttcaggctg  ctccagaagg  gcttgaaagg  gtaagccgt  ttgaaaaaga  agttaaggag  180
aagaacctcc  tgattggcaa  gtttaagacat  gaggcagtg  cactgaatga  ccattctacc  240
aaagccttac  gattcctcaa  gaaaggcaga  gctgaagata  atgtcgacag  gtttagtcaga  300
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<210> 15835

<211> 276

<212> DNA

<213> A.fumigatus

<400> 15835

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ataaaagagg  tagatagcag  tacagagtat  gtagtagatt  tccccacctt  gaagttccca  180
aacctagaaa  atcccccccc  actacttctt  aatttatttt  caggcgctta  tcaacgttgc  240
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<210> 15836

<211> 432

<212> DNA

<213> A.fumigatus

<400> 15836

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cacaaccccc  aaatgggtccg  aaaagtttac  gttcgacagc  gagaaaatgc  aatcgtcaat  180
cgctcaata  agactcgcga  agagagattc  ccggatcttc  gcgcagagaa  ggaggagttt  240
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<212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (727)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15841

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ctgtggaaaa	gaaagccgtt	gaatgagtcg	tttcgggtgc	cggacacaaa	gtcgtctatc	180
gacatgctac	cctcccgtcg	aacagttgat	gaactagtag	tcttgatatc	gacctgtatc	240
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gcgacagaag	acaatcccgc	tttggtatca	actggctttg	tctgtcaact	cctcctagtt	360
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gactgggagc	tcggaagaca	tcttcagaag	atcccggctt	ggccgactgc	acagaatgac	1020
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cttcatgaaa	cgtcgaaaca	attgtctctt	tgtaattttg	gggagtggac	agtgcaggca	1260
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<210> 15842

<211> 360

<212> DNA

<213> *A. fumigatus*

<400> 15842

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tcgccaaaag	aaaaatcggc	tctcttctcc	aacacggata	agtaccgct	ccccaatcag	180
ggcaatgtca	ttaccacaga	ccccaacatc	atcgagtaca	acgacacctt	ttacctcttc	240
atgggaggcg	tccacatccc	catcagcaag	gcctcaagtc	tcgacggggc	ctggacaaga	300
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<210> 15843

<211> 396

<212> DNA

<213> *A. fumigatus*

<400> 15843

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acacctttta	cctcttcctg	ggaggcgtcc	acatccccat	cagcaaggcc	tcaagtctcg	180
acggggccctg	gacaagagtc	ggaacagacc	tcgatggacc	cagcatcctc	gagaaacaga	240
accggactcg	accctgagcg	ccgacgggtg	tccagcacia	cggctcattc	tactgctact	300

acacgatcag caccgcggc agccgcaaca gctccgtcgg cgtcgcaacg accgattccc 360
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<210> 15844

<211> 588

<212> DNA

<213> A.fumigatus

<400> 15844

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gtgaagcccg aggatgtgcg agagctgggt gaccgctaca tcgacacacc gcaagacgca 180
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cccgggtggtg tcgggatatt ctctgtctca catgtcggcg gtcataaatt cgcagctaatt 420
gttatgattt atcgcaagaa ggagcagcag atgatctggc tggcacgggt caggccggaa 480
cattgcgaag gcattgtgaa atacaccctt ttacagggga aagtgggtaca tccggagagt 540
cagcttaggg gagggtttga tcgacttcga ggattgacga gttggtga 588

<210> 15845

<211> 420

<212> DNA

<213> A.fumigatus

<400> 15845

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gtcatgaggt ctggaagggg aatgcctcaa tcagatctac atcacaacac ggggaacgggc 180
cgtagcgtca ggggcagact gctccgtaag acattatcat ttcatgttg cattgcttca 240
atatttcaat ctccattgtt cttgcaggtc catgatccat ctccccgtcc atatccttat 300
acggcaagtg ggtatagatg caagccaaaa catatcatca gcgacagaat tcaaactcca 360
actccagagc aagtaaataa aaaaaaaaaa atggattttc ctccctggaca tccaggctga 420

<210> 15846

<211> 621

<212> DNA

<213> A.fumigatus

<400> 15846

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cgcccagcca acaacaacaa caaccaggac cgcgcccagg cccgcgctcg gaacttcggt 180
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ctcgacttca gcaactcccc tcccagcaac ggtgatgctc ctctgtggcg cgcgcgcggt 480
tttggcggtc gtgggtggccg tgggtggcct cgcggagggt gccgtgggtg tcgtggaggc 540
ttcggcggtc gcggcgcgcg tgcacctaac aaggctcgtg gtggtatccc cgagttcaag 600
ggcaccaagg tcaccttcta g 621

<210> 15847

<211> 462

<212> DNA

<213> A.fumigatus

<400> 15847

acgcttaggg	cgggtccttc	cggtcccggtg	gtgaagacgt	gtttgattca	ccttgctaag	60
ctacatccag	tttcggttat	gtcgagtacg	tcaacgcggc	cgacgctgcc	aaggcttaca	120
acgccaagaa	ggacaccgag	attgatggtc	gcaagatcaa	cctcgactac	gctactggcc	180
gcccagccaa	caacaacaac	aaccaggacc	gcgcccaggc	ccgcgctcgg	aacttcggtg	240
accaaaccag	ccctgagagc	gacaccctgt	ttgtcggcaa	catccccttc	agtgccaacg	300
aggactcggg	ctcggagctc	ttcgggtcaat	ccggtaccat	cgttggaatc	cgtctgcca	360
cggacccccg	gtcggggcgc	cccaagggct	tccggttacgt	gcagttctcc	tcagttgatg	420
aggctcgcca	ggccttcaac	gacctcaacg	gcgctgagct	ga		462

<210> 15848

<211> 429

<212> DNA

<213> A.fumigatus

<400> 15848

tgcgccatca	tggcgaccga	aaaagggggac	cagaaccccg	aaaagatcga	acaatccttg	60
ccacagaaga	ttccatactg	gcgactgggtg	gtagatcaag	gtgtcctcac	ccagcaaatac	120
atcgactatc	cctacaaagg	ctccggaacc	gaggaggatc	catatgaggt	tgtttggatg	180
gaaaatgata	ctcgcaatcc	tatgacatgg	actcaactgc	gcaaatgggtc	gctgaccatg	240
actggttgctg	tttcgacgtt	ggcagtcgcc	ctgggtttctt	cagcttatac	tgggtggtgtt	300
cgagagattg	aggccgagtt	ccatattgga	agcgagggtt	ctacgctcgg	tgtttcgctc	360
ttcgtcttgg	gcttcgcgat	tgggtgagttc	tttccaggct	ttgttcgaag	cctacctgtc	420
agaggctaa						429

<210> 15849

<211> 798

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (688)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15849

tgcgcctcag	gtcctgtttt	gggtccaatc	attggtgggt	tcctcggaat	gaacgcagga	60
tggcgatggg	tcattgggctt	cttggggcgc	ttctcagggtg	cagtttggat	tatctgcact	120
attttcgttc	ctgagacctc	tgcaccggtt	ctcctgcgtc	gccgcgccga	gaagctgtca	180
aagcacaccg	ggaaagtgtc	cgtcagcaag	atcgacatcg	accagggcag	agttactctc	240
aaggacgctt	tcaagactgc	gctgtctcgc	ccctggattc	tgcttttcaa	ggagccgatc	300
gtcttctctc	tgagtttgta	catggccatc	atttatggaa	ccctctacat	gctcttctct	360
gcctacccaa	tcgtcttcca	gggggtccgt	cactggaacc	aaggcgttag	cagtctccct	420
tttctgggaa	tcattggttg	catgatgttt	gctgtcacct	acagtgtttg	ggacaacaag	480
gtttatttcc	aagttcaagc	caagcacggg	ggatttgctc	ccccccgagg	aaggcatgcc	540
gcccaccctg	atggtttcgg	ttgccatccc	tattggattt	ttttggttcg	cttggaccaa	600
ttaccgcgtc	atccattgga	ttgtttgcat	cctagccggt	gctccgttcg	gtttcggtat	660
ggttctgggt	ttcctgggca	tcattgaanta	tctcatcgat	gcctacacca	ttttcgccgc	720
gtcagtcctc	gcagccaatt	cgtctctccg	ttcgattttc	ggcgccggtt	tcccattggt	780
caccacctat	atgtatga					798

<210> 15850

<211> 513

<212> DNA

<213> A.fumigatus

<400> 15850
 ggatttaggg gaggcttttt cttttttttt ggtgattttt ttttttttaa aaaaagaaaa 60
 aaaaaaaaaa aaaaatctat ctttgctggc aggaggctca ttctgcaaac aggaatccat 120
 tgggcgtcct caatccggcg gtttttggcg ctggcctgtg ttccgtttcc ctctctgttc 180
 tacaagtacg gcgctacat tcgtaagcgc tgcgagtatg ccgccaatc cgatgcgttc 240
 atgcggaagc ttgccgagca gatgaagcaa gccccagagc cagagtctga ggagacagag 300
 gagcccgctt ttgaccgcac ggaggcacct gcccctgacg tatctgatgt cagcgagact 360
 gagtccaacg ttgaagagct tccggatgtt cggcagatgc gcagcagagc ctccacacgg 420
 acgggtttctt cgttgcgctg cgtcgtcagc tacgagggaa atccttacga tatcgaccgc 480
 gtcaacactc gcgagtcgtt caccaagaaa tga 513

<210> 15851
 <211> 303
 <212> DNA
 <213> *A.fumigatus*

<400> 15851
 tttatcatca atatgagcat ttattcattc ggcataaatc actacgtcac tcaggtgaaa 60
 tcaactgcgtc actcaggtgt gggctcatctc tttagagctgt acaatagtaa cgtgtgtctt 120
 gtcaagagcc acctatattt ttcaagaagg aaggacagta ttgatgagac tgccctgcat 180
 gacgtgacgt cgggaactcg ggacatcctc gtcgtagcta gccttttcaa gctaacgcaa 240
 tcccagggat ctgagatttt cagtacgagc tacgactctg gtgagactga ggtcgagaac 300
 taa 303

<210> 15852
 <211> 618
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (243)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15852
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 acgggggatt tgctcccccc cgaggaaggc atgccgccca ccctgatggg ttcggttgcc 120
 atccctattg gatttttttg gttcgcttgg accaattacc cgtcgatcca ttggattgtt 180
 tgcacacctag ccggtgctcc gttcgggtttc ggtatgggtc tgggttttct gggcatcatg 240
 aantatctca tcgatgccta caccattttc gccgcgtcag tcctcgcagc caattccgtc 300
 ctccgttcga ttttcggcgc cgtttttccca ttgttcacca cctatatgta tgaggattta 360
 ggggagtcctt tttctttttt tttgggtgatt tttttttttt taaaaaaaga aaaaaaaaaa 420
 aaaaaaaaaa tatccttgct ggcaggaggc tcattctgca aacaggaatc cattgggcgt 480
 cctcaatccc ggcgtttttg gcgctggcct gtgttcogtt tcccttctctg ttctacaagt 540
 acggcgctac cattcgtaag cgctgcgagt atgccgccaa atccgatgcg ttcatgcgga 600
 agcttgccga gcagatga 618

<210> 15853
 <211> 435
 <212> DNA
 <213> *A.fumigatus*

<400> 15853
 ataggacctc tactttgggc acctctgagt gagatgttcg gccgtcaaact catctttact 60
 gtcacctatt gcgcactcac ggcttttaaat gctggaagtg ctggcgcgca gaatagctgg 120

actctgatca	tccttcggtt	cttcgctggc	gctttcggag	cctcgccctt	gaccaatgcg	180
ggcgggtgtca	tcgctgacat	gttccacgcc	aagcagagag	gtatcgcgat	gagtctcttt	240
gctgccgctc	cattcttggg	tatgtcttct	tcttcctcat	actgcattga	tcgtatgcta	300
atgcgcctca	ggtcctgttt	tgggtccaat	cattgggtgg	ttcctcggaa	tgaacgcagg	360
atggcgatgg	gtcatgggct	tcttgggggc	cttctcaggt	gcagtttgga	ttatctgcac	420
tattttcgtt	cctga					435

<210> 15854

<211> 213

<212> DNA

<213> A.fumigatus

<400> 15854

cacttttgtg	gggaccacgt	tctggaagca	tatgtagacc	tcgtctcatt	gttcggagtc	60
atctcttccc	tgatttatcc	tacggagtgg	tatctttttt	ctgttgtaga	acagtatcgt	120
ggtattgatc	ttgtcaagcc	cagtccaaca	ctcaacgctt	ggggatctgt	catcctcatg	180
tacgttcccc	ctacgttcca	cagtctggac	taa			213

<210> 15855

<211> 2943

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (2), (3), (6), (7), (9), (13), (14), (15), (2104), (2143)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15855

gnnccnntng	atnnnccact	gagagccgct	ggatcccttc	agccccgtgg	tgaagaccct	60
aggtggactg	gaaagcagat	gataagcatg	gctcttccat	ctgggctcaa	tttgttgctg	120
gtggagaaaag	ataactctag	tctggcagag	aagttctcgc	ccttgacaga	cggtggctctg	180
ctcatccacg	gtggacagtt	gatgtatgga	atgttttcca	agaagactgt	tgggtgctagc	240
ggtggtggtg	tcattcacac	tatctttaat	gagtaacggc	cggatactgc	ggtggccttc	300
ttcaatgggg	cacaaacct	tgtcaactac	ttgctgcttc	acaatgggtt	cagtataagg	360
attggtgaca	ccattcccga	cgcgatcacg	attcagcgaa	tcgagaattg	tgtgagagag	420
aggaagaagg	aagtcgaagc	tatcacagca	agcgctacgg	agaatacctt	ggagcccctg	480
cctggatgag	acgttcgaga	gaccttcgag	agcaagggtt	cgcgtgcgct	caacaatgct	540
cgtgacgaag	ctggtagtga	gactgagaag	agtttgaagg	atctgaacaa	cgccatccag	600
atggcccggg	ctggatctaa	gggttcgacg	atcaatatct	ctcagatgac	tgtgtgtgtg	660
ggtcagcag	ccgtcgaagg	caagcgtatt	cctttcggat	tcaaatatcg	tactcttccc	720
catttcacca	aggatgatta	ctctccggaa	tctcgcggat	ttgtggaaaa	ctcttatctg	780
cgtggcctaa	ccccaaactga	attcttcttt	catgccatgg	ccggtcgaga	aggtctgata	840
gatactgccg	tcaagactgc	cgaaactgg	tatattcagc	ggaagctgg	taaggccttg	900
gaagaggtca	tgggttaagta	tgacggtacc	ttccagaaac	tctcttgggt	gatgggaatc	960
aaattcatct	acggagaaga	cggctctgat	ggtgctcaca	tcgaaaacca	gagggctgac	1020
gttatcagat	gctctgatga	caagttcaga	gagcgattcc	gtgtggatct	catggatccc	1080
gagaggagcc	tgggacctga	agtcttggaa	caggccaatg	aaattgctgg	cgatgttgaa	1140
gtccagagat	atctcgacga	agaatgggag	caattgctca	aagaccgggc	attccttcgc	1200
actgtcgcga	aagaagacga	tgagatgatg	cagcttccca	tcaacgtgca	gagaatcctt	1260
gaaactgcta	ggagcacatt	ccggatacgt	gaaggggcca	ttagtgactt	gcatacgtct	1320
gaggttatcc	ctcaagtcgg	ctctctgctc	gacgttttgc	tagttgtgcg	cgggtgacgat	1380
ccaatctcgc	gcgaggcgca	ggagaatgcc	acaatgttgt	tcaaggcaca	gcttcgcagt	1440
cgccttgcat	tccgcagact	tgtgaccgag	tactcaatga	acaagctcgc	cttccagcat	1500
gttctcggtg	ctatcgagag	cagatttgct	aaggctgctg	ctaaccaggg	tgaaatgggt	1560
ggtgtgctag	ccgctcagtc	tattgggtgag	cccgcctacac	agatgacctt	gaatactttc	1620

cacttttgctg	gtgtctcgtc	gaagaacgtc	accctcggtg	ttcctcgtct	caaggaaatt	1680
cttaacgtcg	ctaccaacat	aaagacgcca	tctatgactg	tttaccagtt	gccgcacaga	1740
tgccacgata	aggaatctgc	taaacagttg	cgaagcggtg	ttgagcatac	cagcctgaga	1800
tccgttacag	aagccactga	gatctactac	gacccggaca	tccagaccac	agtcattgaa	1860
aatgataggg	atatggtcga	gtcctacttc	atcattccgg	aggatgtcac	agacgccact	1920
tctcggcagt	ccaagtgggt	gcttcgtatc	attctcagtc	ggccaaagct	cctggataag	1980
ggtctcacgg	tgcaggatgt	tgtgcacaag	attaagcagg	cttatcccaa	ggatatcgcg	2040
gttatcttca	gtgataacaa	cgctgatgag	caggtcaccc	gtatccgtca	aatccaggat	2100
tacnaggaag	acgaagatga	cgaagagactt	gaattcgacg	tcnctctgaa	gaaactggaa	2160
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cgggtgtcgt	tcgaagagac	ggtggagatt	ctattggaag	ctgcagcttt	cggagagctt	2640
gacgactgcc	gcggtgtatc	agagaatctg	atcctgggac	agatggcgcc	tgctggtaca	2700
ggagagtttg	acctctacct	tgacaaaaac	ctcctcaaca	ctggtgtgtc	gaacaatgca	2760
cggttcgggtg	ttatgggaaa	cattggggcc	aatgatgcca	tcatttccga	ctgcgctgcc	2820
acacagtacg	atactggttc	gcccatgcaa	gaaagtgcac	tcattggtac	ccccgacccc	2880
gagtcggcat	tctcgcccat	tctccaagca	agtgccgagt	ctcctggcgg	gttcaccgag	2940
taa						2943

<210> 15856

<211> 573

<212> DNA

<213> A.fumigatus

<400> 15856

caaacgatcg	agcagagagc	ggacttgagg	gataacctca	gcaggatgca	agtcactaat	60
ggcccccttca	cgtatccgga	atgtgctcct	agcagtttca	aggattctct	gcacgttgat	120
gggaagctgc	atcatctcat	cgtcttcttt	cgcgacagtg	cgaaggaaatg	cccgggtcttt	180
gagcaattgc	tcccattctt	cgtcgagata	tctctggact	tcaacatcgc	cagcaatttc	240
attggcctgt	tccaagactt	caggtcccag	gctcctctcg	ggatccatga	gatccacacg	300
gaatcgctct	ctgaacttgt	catcagagca	tctgataacg	tcgaccctct	ggttttcgat	360
gtgagcacca	tcaagaccgt	cttctccgta	gatgaatttg	attcccatca	cccaagagag	420
tttctggaag	gtaccgtcat	acttaaccat	gacctcttcc	aaggccttaa	ccagcttccg	480
ctgaatataa	ccagtttcgg	cagtcttgac	ggcagtatcg	atcagacctt	ctcgaccggc	540
catggcatga	aagaagaatt	cagttgggggt	tag			573

<210> 15857

<211> 723

<212> DNA

<213> A.fumigatus

<400> 15857

tgctttttga	tctgtatggt	gttgttctat	tcacgaata	aattttggga	gtcttatgct	60
gagagggttg	cttccagttt	cgggaagagg	tactcggact	gtccatctga	cgtcctcaa	120
gatgatcgac	tttttgctac	tcagattttc	ctcgctctaa	gctcctctcc	tgtctcctgg	180
acgggagctg	gctctgggaa	attctgtctg	gtcggttact	ccttgggcgg	tggtattgca	240
goggcattcg	cctcgacttt	ccctaactca	ctctccggat	tgggtgttatt	ggccccagca	300
gggttgatcc	gcgactccca	aatcagcctt	cagtcccagc	ttctctattc	gcgtgggtctg	360
gttcagagac	gcgtactcgg	tttcttgttt	ggtcgccgcc	tcgcgctggg	gcccttgact	420
accccaaaac	caaagaatga	aaaactgaac	gctcgggatg	ccctcactga	ggagcttccc	480
tcacaaaaccg	tgggcaatat	gcagggtattg	tctcgggcct	atccgcacgt	ctcggttccc	540

5000

aatgccgttt	cttggcaggt	gaacaacccat	gccgattttg	ttcatgcttt	tatgtctagt	600
atgcgcctttg	gcccgatcct	gaagcagcga	cagtgggaca	cctggacgcg	ccttggcaag	660
cacctggcag	cacagaagca	actttcaacg	gaagaacaac	tgacaaatgg	tcttcccaag	720
tga						723

<210> 15858
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 15858						
caaagtgtct	tcccaagtga	caaagtcctc	atcatgtgcg	gcattccatga	tgccattatc	60
gtgaaggatg	agattgtacc	cgatgccacg	ttggccctcc	agggaaatgt	tgatttttgag	120
ttctacaacg	caggccatga	gtttcccagc	acattatacg	acaaggtagc	acaacggata	180
ctggagctct	tgcaatga					198

<210> 15859
 <211> 462
 <212> DNA
 <213> A.fumigatus

<400> 15859						
gtaagcccaa	cgcttgccaa	tacccaaaac	tgtctgctaa	ccttcaactc	gagggtttttt	60
ttttcagacg	gtgactacat	tttcgttcct	aaactccaag	aggatgatcc	ttacgatgcg	120
gcattgggccc	gtcttgagca	atgcctatgc	gacgcaccac	caaatatgat	ttccaagtat	180
tctctcaaat	acgtcttcga	gcaagttgtc	ggagaaggtc	aactcgaaca	tctttcacia	240
ttcttcaggc	atacattgag	cattccagat	gcctcatggt	cagatctgac	aggggaactg	300
gtagagcgga	gccagaacca	ctgcgtggac	ttcgacccaa	tcttccatat	gtacaagtac	360
ctctctgaaa	tggaaatttt	ctccattgat	gatttgccgc	aagtatcaac	gtttcttttt	420
cttagttggg	actgcaccaa	agaactaaac	ttctattttt	ag		462

<210> 15860
 <211> 1008
 <212> DNA
 <213> A.fumigatus

<400> 15860						
acatcccggc	tgacgtggat	tttcgcatct	tggatccagc	agcggttgcc	aatgaagacc	60
gcagagcgct	tttcacacat	ttgggagccg	tggagctgtc	ggttagtgca	gttcgatctg	120
caatactggc	gaattataga	cccttggtga	acgggggtttg	catcgaagat	tcgagagttt	180
catctgcgtt	acttgatctc	gacacacaa	cgccgtcaga	ttgaagaaga	tttctgcaat	240
gtttgtgttt	actgcgatca	tggtactatg	aataatccac	acgaagaaga	gatctacctc	300
ccgcacagcc	atccatatgg	accaaaggcc	ctcctagggc	caacggagta	ctcccagggc	360
atggaagtat	tgctcatgca	ttcaacatat	tttgagagca	ttccatcaag	gcctcattca	420
gactacccat	cgtggcgagc	atgggttaacc	acttcacttg	gaattcgcga	acgactaagt	480
cttgtttcat	ccgatgggtga	ttctctttca	gacagctgga	cctatatcgc	ggaaactcgc	540
ccgggaaagc	ttctgggact	gttgacgtac	ctctggaagt	atcaaagctc	cgaactgcgc	600
caaatgctg	atctcatcat	ggaaatccaa	agcatgaatg	caagaaagct	ttgcaacagg	660
gacctgcctg	atgactgtcg	gcttgacgaa	acatatttgc	ctctatccaa	ccttcggggc	720
ctttgtcatc	gttttatgga	ggaagatgaa	cctttcccg	tcctatacct	tgaagaactt	780
ctagatgagg	aactctactc	caagtggatt	tttcttcaca	acgatttctc	agtcggaaa	840
gacgacgata	tgggttttct	gcttaacgtg	ctgtattgga	tccagagcgc	caaccctgat	900
gaatccgcac	ttacctcgta	tgagcgacta	tgggatttgt	atattacaat	tggcgcaaag	960
catcttgctg	ccgaggacag	agtggctcgt	ggagacaaaa	ttaagtaa		1008

<210> 15861

<211> 288
 <212> DNA
 <213> A.fumigatus

<400> 15861

tgtcaaagtc	ggattgtatc	aagaactatt	cttccagtta	gcacatgtat	gtaccgggag	60
gttgctatcg	cacagtatgg	aagaaatctc	actttgaacc	tagactcacg	gactggtaaa	120
aaggcaaata	tctcctgttt	ttcaagcaaa	ggctctgaat	ctactgtgag	agggaaacgcc	180
aagacgacct	ccgcctccga	aaatgocgta	ttggtttcaa	gtgtactcag	gaggttgcga	240
ttgtcgctcg	tccgaagctc	ggtggcagtg	cgcctagtga	catggtag		288

<210> 15862
 <211> 318
 <212> DNA
 <213> A.fumigatus

<400> 15862

cggcatcgta	gtctacaagc	attccggtct	ggcgttgccg	acaacatgct	ggtgctggtg	60
gacgcctacg	cagactgggtg	tggccctgcg	aaggccattg	ctcccaagct	ggagctgttc	120
agcaaccagt	atgccaatat	caaattcttc	aaggctcaacg	tcgacaaaagt	ccccgatgtg	180
gcacaggagt	tgggagtgtc	gtccatgccc	agtttctatc	tcttccgagc	ggcgactat	240
gtggagaagg	tgggtggcgc	caaccggggg	ctgctcgaga	cctacatcaa	gaaacatgca	300
gagagtgtcc	aggggtaa					318

<210> 15863
 <211> 828
 <212> DNA
 <213> A.fumigatus

<400> 15863

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tggcaacggc	tgtcattgcc	taggcgtagt	ccagccctga	taaaaccact	gtcgacaggg	120
acgacaccaa	agccaacatc	ctcgcggcc	aatgggcgtc	tgcaagtctg	gccatggttg	180
gctggcccta	tcctcgaggt	gagcctgttc	ttgtcagccc	acaggcgctc	catgcagctc	240
gagacagaca	caggccttca	acgaggcaac	ctaactcgcg	acgaatctca	agacgacatt	300
gacctaccca	aagaagacgc	cattctgacc	actgcaccta	acgtccctcc	tcccatcacc	360
cggaccgcgc	cagttcttct	ccatgtccca	ttgacgacgg	ccacaaaaac	gcgcacaacta	420
accagtcagt	acaagtacga	cacatggaca	ttcaatgaca	ccgtccccgg	ccggttcac	480
cgcgcgcgcg	taggcgacgt	tgtcgagcta	accctgacca	accacgacct	cagcggcaac	540
ccccacaaca	tcgactgcca	cgccttcacc	ggccccgggtg	gcggcgagc	cgtcaccacc	600
gccgaggaac	acgagaccaa	aaccgcacgg	ttcaagctcc	tctacccccg	tctgtttgtg	660
taccactgcg	cagcagcccc	agtccccgtg	catatcgcta	acggcatgta	cgggctgac	720
tacgtgcagc	ctgaggacgg	cgatgccctc	tccccggtgg	atcgggagta	ctacgtcatg	780
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<210> 15864
 <211> 831
 <212> DNA
 <213> A.fumigatus

<400> 15864

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ccgtcgcttc	agcgccctacc	ggtttacctc	catctacacg	gcgggggggtt	tctgttcggc	180
actctggcct	cgggaagacgc	gatttggtcc	cgcacgtcgc	ctactttggc	cacggaaaat	240
acacctgtcg	tgggtggtgaa	tgtcaactac	cggccacacc	ctgagtacaa	gtaccccgctc	300

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ccgtggaacg	acgcgcgaga	cgcccttcac	tgggttcacg	accatctggc	ggaactgggc	360
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ctgacgctgg	cgcagcacct	gggcaccgac	gagcaactgg	ccaagcgacc	gaaaatcaga	480
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gtgacacgga	tcaattcttt	catggacctg	ctggaggcca	agggccacga	gacggacctg	660
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ggaattgccc	gtcgagatcc	cctccgggat	gaagggctgt	tctatgcaa	gttggttgaca	780
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<210> 15865

<211> 2385

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (6), (15)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15865

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gtctcgccgt	acaactactt	ggaaggggtc	gtgaatgtcg	cagcttttga	taagccactc	180
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gtcttaccga	aggatcagtg	gaagtcacca	tcgacgaagc	ttgttgacga	agaagcagtc	300
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<210> 15866

<211> 477

<212> DNA

<213> A.fumigatus

<400> 15866

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ccttcttctt	tcacggagct	aacattcacc	ttgactcgct	ggaagagctc	gacgggtgacg	180
ccacgttctt	tctcaggatg	tcccttctcg	gaaacacgca	gcgtgtactc	ctcaccgtcg	240
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tccccaggga	gcacaaaatc	ctccaggcgg	acaacaccct	caattccgaa	tcggggaaca	360
aagacaacca	cgccgttctc	aaagacgcgc	atgacgtatc	cttcttcttc	aatacccgcg	420
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<210> 15867

<211> 369

<212> DNA

<213> A.fumigatus

<400> 15867

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ggcgtgtggt	acattcgcac	cttgagcttt	gttagaggcc	acagtggctg	cctcttcggc	180
ccctgtatca	ttctttctac	gtttaccagt	tttaccacct	gctttggtag	cgccagcgcc	240
acgaccacgc	ggagcaacag	cggcttttag	ggtagcgaca	agctcattgc	cgaatgtggt	300
ttggccatca	atggcacctt	tttcgatagg	acctatatgt	tcttagcggt	aatccacgtt	360
cgttcatga						369

<210> 15868

<211> 2751

<212> DNA

<213> A.fumigatus

<400> 15868

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tccgccgtca	gtgggcccag	tgcaactgcc	tcagagactt	taccggaagg	agaactctcc	180
agacccgcta	cgcacatcgg	ccccatgttg	agtatcccag	aggagcgagc	cagtaagaag	240
cgcgctgtct	ccccgggcag	gcggctgaaa	aaggcgttta	gctccaattc	aaacaagaag	300
gataccaacc	gcgaacgaac	atcttctacc	tcgggcgcga	gtacgaagag	cggcggcctg	360
ttgagcagaa	gaagcagcct	ctcatcgaaa	cgaagccaga	cgatggaagt	cgagccccct	420
cctgtgcccc	caccagttct	gacgaatctc	aaggaggaca	aacctctgcg	gatttctgat	480
ggtcccaatc	caccgagaac	gccgccacat	actgcgcacc	ctgcacctca	aacaacagtg	540
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gcttatgaaa	aaccttctga	acaatcgta	gcgcattccg	cagaggaggg	cctggagttg	1260
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cagaccaagt	gtatcagcac	tgaacacctg	gattttctgg	acctagagaa	agctgtcctc	2520
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aaatatttgt	ttacatgggc	accgggcaat	caaacacggg	tttttatgac	ttgcacaatt	2640
gagtggtcag	gcaagagttg	gttgaaagggt	aatatccgtt	ttcgcagctt	catgaacgaa	2700
cgtggattaa	cgctaagaac	atataggtcc	tatcgaaaag	ggtgccattg	a	2751

<210> 15869

<211> 522

<212> DNA

<213> A.fumigatus

<400> 15869

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cctccggttc	cccagactga	accacaagggt	ttcagtaaat	ccaatcggac	ctggactact	180
cccgccgact	tggaacacat	gtggagctcc	ggccgcagca	acgggggcgc	gtcaatctca	240
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tccagcgggt	tctccaagct	actgaatgct	cggcggaagc	gaaagaagga	gaaggacag	360
aagcaaaccg	aggaatcgct	actagtctca	cagaatgacc	cggacctaca	ggagagtcga	420
tcaaaccagt	ctcgcggcga	gtccgcgtcg	gcgaatgaca	atctgagccc	gccaggcgaa	480
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<210> 15870

<211> 537

<212> DNA

<213> A.fumigatus

<400> 15870

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gcaaagatcg	aggccgctga	aattcggaaa	cagtgcgaag	agcaccagca	gagtgcctgc	180
cagctatacc	aagaagccga	agaagccgag	attgcggtca	aattagctgc	cgctcctata	240
gacaaaaatga	aggctgaggt	tgaccaggca	gaatccaact	tacgcagtct	cagcagggaa	300
ggaatcagac	gtacaggctt	tcatgaaagg	atgccagcac	tcctcaaaga	ggtagaaact	360
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ccagagtgg	catctatatt	ggagaacgcc	cttggcacca	cattgaacag	cttcatagt	480
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<210> 15871

<211> 702

<212> DNA

<213> A.fumigatus

<400> 15871

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cttagacgcg	aactaagcaa	tcaagaacag	caactgcgct	ccgctcgatc	tcgcctggag	120
agctgtaagc	aagctattga	gagacataag	cgaagatcaa	aagaattaca	agttctgttg	180
cagaggcaag	aagatcaagt	tgaagagctc	actgacgcgc	ttgaacgaga	gactgtcgag	240
gatggacatc	tggatgtgct	acgaacaact	cttcaagagg	ccgaagcaga	gaaacaccta	300
aacgaagggt	ctttgaagga	cagcgtggat	gctatggatg	ccatcatgag	gaaattgaaa	360
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<210> 15872

<211> 252

<212> DNA

<213> A.fumigatus

<400> 15872

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aggtcgcaca	tttctgtctg	tgccaaagct	caatttacat	acctcttgag	cgaagaaggt	120
tttcgcggtc	gactattgac	tgatcataat	agcaagctcc	tcgatttaca	ggcaggtgat	180
gctgagtacc	gtcaagcatg	gtcactggat	ctgacgagtt	acctaggtcg	agccggacat	240
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<210> 15873

<211> 1320

<212> DNA

<213> A.fumigatus

<400> 15873

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gttaagaacg	aagtttttcc	tccaatcgcc	tctactttca	gccggaccag	cagtcttgcc	180
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tggttcgact	accgttggca	gggcttcgct	tgtagggaat	ccccggcac	ctgccaactc	1260
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<210> 15874

<211> 945

<212> DNA

<213> A.fumigatus

<400> 15874

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aatggtgatt	gggtcagttc	cgcccgggaag	acgaaagtca	gcgacgaaca	ccttcgcttc	180
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aatcagaagc	ggatgctcaa	tgcctatgct	ctttccttcg	gcgcggggtc	aattgaagct	780
ttcaaagagg	ctcaacgcac	ttgggtgaaa	gatcagaagc	cgatcttggg	gaccaatcta	840
ggtttcgtgg	agacatacag	agacccccac	ggagtaaggg	gagagtggga	agggtttgtg	900
gcattagtaa	gtcacgttct	acgactagtt	attccagggtg	gttag		945

<210> 15875

<211> 420

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (241)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15875

gttaatttgg	agcgcacccg	tgttttcgga	aagttgggtg	atagtgcaga	gagtatgata	60
cctaaactcc	cgtggagcaa	ggatttcgag	aaggacaagt	ttcttagccc	agatttcacg	120
tccttggaag	tcttaagctt	tcagtcttct	ggtgttcctg	cgggcacac	cctaccaact	180
atgacgacat	ccccaaaatc	taggcttcaa	aaacttttac	tcggggaatt	tctgagttgc	240
naaaccccca	atgaacctgt	tccctttatc	ccccaaagaa	gacttggagt	tctccgcaaa	300
taccgcaatc	ttcctttcca	agtgcatttt	ggcttcccaa	acttccccgg	ccttgaacgg	360
gaaaatctct	gccggaaacg	gtccccggaa	attacccttc	aagtttccaa	ccccccctga	420

<210> 15876

<211> 930

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (168)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15876

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gtttggcagg acctcccaaa ttttagggag ttcacgttca tttccttcg cgggagggtt 60
ctgtcagaat ttttttacca tgatccagaa cttccccagt cagtccagtt gaatttggaa 120
tatacgtccc cggacttcgc gctggactct aatgtgacta ctgctgcnga catgttctca 180
ctgggacttg ttgtcatcgc cctctataat tcacctcatg tctctccgct gcaatcgc 240
tcaaatttga gctcgtacaa gaagctgtta agctcccat catccactcc gtcgcagggc 300
aacaatttcc tctgcgcggg tgccattcca aaagatctct cgtcgcactc attgcctaag 360
ttgataacaa ggcgaccagc ccagcgcttg aatgcccggg aatttcagca atctcaatat 420
tttgacaata tcctggtatc tacgatccgc tttctggagt ccctgccagc caaaaatgca 480
aatgaaaaat cacagttcat gcgaggatta caacaagtga taaccgagtt tcctccaaca 540
gttctggaaa agaaagtcc tggcgcttta ttagaagagt tgaaggatcg tgagctgctg 600
cccctgacgc tgcagaatgt ttttgccata ctgcagcgcg ttgcaagcgc acgtcgaact 660
ctttcggaga aagttattcc tcggctcaag gaaattttct tcgcgcactc atcaggaaaa 720
gggactgttc aggagcgtga ctccaagaag gatgcgggtc taatggtagt gctacagaac 780
atgaacattg tggccgagaa ttgctcaggg aaggaattta aggacggtga gtcaactatt 840
cattattctt ttgctcttgc gactgacccc agtagacatt ttgccgctga ttcggcttgg 900
tttggaactc tcagcccatt ccttggttga 930

```

<210> 15877

<211> 246

<212> DNA

<213> A.fumigatus

<400> 15877

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ctaattgtga cgtcctatct gaacagctcc aggaatgctc cctcttctcg ctgccttgag 60
gcgtctgccg tcgaatcacc ggttgcctc catccaccgc ccatctacta ctacgatcac 120
ttctctctta ccctcagct gtctgcctcg ctcttcgctc ctcaccaac gattcaattt 180
ctcatcttcg actccttcc ttgcaagctt tatccctctt tcgacgtctt cagaagccgc 240
gtctaa 246

```

<210> 15878

<211> 249

<212> DNA

<213> A.fumigatus

<400> 15878

```

gacattgcaa tgacatctgg tcctcatcaa gaacaggccc gtgagatgta ctcgagcttg 60
cggaaaaact tggtcgaaaa cgtctttaga caatggaagg agacgggatt tgcttgggaa 120
cagtacaacc ctgaaaccgg aaagggggcag cgcacccaac acttcacagg ttggaccagc 180
atggtagtga agatcatgtc aatgcctgat ttgcctgcga acaagcagat aggccatgat 240
gagttgttaa 249

```

<210> 15879

<211> 810

<212> DNA

<213> A.fumigatus

<400> 15879

tcactaagtc	tccatctgtt	gacgatcacc	accgagcttt	ctgcgaacgg	gctaaagcca	60
agatggatct	tgttgccggg	gttcgcaaag	aaggcagccg	gtaagtactt	cgtgaagttt	120
tcattaccgt	gtagttactt	catgaatatt	gactgtaaca	gtggcgggccg	cggcgagttt	180
aaatgggtctg	atgtgaagga	ctcggcacat	cgtgagaatt	atctcggcca	ttctcttatg	240
gcccccgctg	gtcgctggca	acaaggctgt	gatctacaat	ggtataccaa	ggcgagaca	300
accgcggaag	agcaggctcg	acgagatcgt	gaggagctac	aacgggtcaa	acaagcggag	360
gaggaagcca	tggcacgagc	cttgggccta	cccctgccag	tctcgagtgg	gagtgccaat	420
gcaaacctta	cacctttagg	ggaaagggag	acggagactg	cggttcagga	tccagctgat	480
aggaagagag	aacggagaag	cgagcagagt	cggagtccag	gaaggcaccg	tatacgggat	540
cgcgagagca	acagagacag	agacagagac	cgcagagacc	acagacacca	cagacaccac	600
aggcatcatg	aagaccgcga	acgtcatcat	cgaaccacc	gtcaccgatc	gagatccccg	660
tctggtgatc	gtgaacaccg	gaggagacga	tgcagttcgc	ggtccacaag	cagagtaagg	720
gccggggaag	acggtcaccg	cagacacaga	gaagaccatc	gtcgaagaca	tccaagggat	780
catgactccg	atcattatcg	acgccggtga				810

<210> 15880

<211> 1125

<212> DNA

<213> A.fumigatus

<400> 15880

cagtgggtgt	ggatacatto	tgaatgaca	gcctggagct	ggtttctgtt	tcattgcat	60
agattagcca	ggaaaaatac	ttttaatctc	ttcaacctcc	ggtgtggtaa	ggtgcgtcgc	120
cattctgacg	tagttaccaa	gccctgtgtt	ggattcatga	ttaaccatat	accccatcgt	180
tcattcacag	tcgacatcct	cagctcgagc	ccaacactat	actggcccaa	aaacatggaa	240
aaccacccca	cggccctctc	catcatcgag	gcggaaaacc	tcaccacgc	cctcccggac	300
aaagtcattc	tcattcacag	ctgctcctcc	ggcctcggcg	ccgcgaccgc	ccgcgcctta	360
tccaacacaa	acgcgacgct	cttcctcgcc	gtccgtgaca	cccccaaagc	ccgacacgtg	420
ctggccgacc	ttctcgcttc	tgcgtctgac	tctgactctg	gttctcgctt	tgcctctgat	480
gcagacggca	aatgttcgac	ctcaacctca	acctcaacct	cgcaaagcga	aatccgcctc	540
cttcacatgg	acctagccag	tctctccagc	atccgacacg	ccgtgacctc	cttctctca	600
caaagcgaca	aactcaacat	cctcatcaac	aacggcggcg	taatggccac	accagaaagc	660
cgcacagagg	acggcttcga	gacccagttc	ggaacgaacc	acctcggcca	tttctgtctg	720
tttcagctcc	taaagcctct	tcttttgccg	tctgcaacac	cacagttcca	ctcgcgggta	780
gtgagcgtga	cgtcgtcggc	acaccggaag	agcgggatcc	ggttcggcga	cttgcatctt	840
gagacagaga	aatatgacgg	ggcgctggcg	tatgcgacga	gcaagacggc	caatatctat	900
atgatgaatg	agattgagag	gcggtttggg	gggcaagggc	tgcattgggt	tagtgtgcac	960
ccggggctga	tactcacggg	gttgacagaag	ttcactgaca	ggagagtgtc	aggagaagcc	1020
tttcgcaatt	ctaccgagct	attgaaagac	acggaaacaa	agttgacgac	tcgagacggg	1080
gagaagcggg	ggagagatga	tagtattatc	aaactattaa	tatga		1125

<210> 15881

<211> 378

<212> DNA

<213> A.fumigatus

<400> 15881

acccgcgcgt	ctggctctgc	gattctctca	agcactcaga	aaccgctcag	aaacacaact	60
gccatccgca	ttaagttcat	catgtcaagc	acaatcgatc	atgtgggcat	ccacgcccc	120
aaggatcagt	ttgagagcat	catcgactgg	tacaagaagg	ctttggcccc	gctgaactac	180
agggaataaa	tgcgcttccc	aggagccgtc	ggactcggct	ctgaacatcc	agatttctgg	240
atctccgaga	ccgacgagca	gtgcgggtggc	ttccactttg	cttttatcgc	gcatggtagg	300
tttctctctg	tccctggagg	gccaacggct	gatgatcaga	ccatgctacg	gttgacgctt	360
ttcaccaggc	tgctatag					378

<210> 15882

5009

<211> 195

<212> DNA

<213> A.fumigatus

<400> 15882

ctgctggtcg	aagacggagc	agacgtccat	cagaaggcat	acttgggtcg	ctcggcgcgg	60
tcactcgctg	cagatcaagg	acacgtggag	agtgtgagat	ggcgcataga	tcaaagggct	120
gatatcaatg	aaagcgatgg	gatcagtcga	acgccgttgt	cctgggcaat	gcaaattggac	180
tcgagaggcg	gctga					195

<210> 15883

<211> 243

<212> DNA

<213> A.fumigatus

<400> 15883

ctctggtgct	catgtgtagc	tttagatgga	cggctttcct	cctcgtgctg	gcctagccta	60
gccattggcg	tcccccatgt	ctaccttgtc	tcccttagta	tctggccata	cagaacttta	120
ctccagctga	ttagtcattt	caattcaggg	actttcttgc	acggagacaa	tattgtgact	180
caaattggcgt	atctgagctt	tcctttcgag	agctccttct	atcgggacta	ctgtcgatgt	240
taa						243

<210> 15884
 <211> 810
 <212> DNA
 <213> A.fumigatus

<400> 15884
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 gggattgtcg tgcctcgttt ggccgatggc acatgggtccg caccttcggc tattgcgacc 120
 gccggtgccg ggtttggagg acaaattgga tttgaattga cggattttgt gttcattttg 180
 aatgatgcag cagcagtgag gacattttca caggttggaa ctttgaccct ggggtggaac 240
 gtgtcaattg ccgcagggcc ggtgggaaga aatgccgaag ctgcggggcg agcaagtacc 300
 aagggcgtgg cagcgtgtgt ctcgactcgc aaaacaaaag gtctatttgc cggagtcagc 360
 ttggaaggaa gcatgctggt cgaacggaag gacgccaacg agaagatgta taacagtcga 420
 gtctcagcac gtcaactcct tagcgggtact atcagacctc cgcccgtgc cgacctctt 480
 ctccgggtgc tgaactcccg cgcattctac ggcaatggca gaaacggaga caccatgtac 540
 aatgatattc ccactatga tgacagacat gacgatgttg tctgggaggg ccgaaggggc 600
 gaggcatacg gtgaggggca acggcgtgac cgcggcggtt ttaacggcac cgatgactac 660
 gagtatcgcg acagacctcg cgcgagtact tgggcagacg acgtttacga tcggccccc 720
 gcaggtttgg ccggttcttt ctattatggt tcacgccgat gctttcgaca gatacggcg 780
 ccgcagtcgg agcaacaccg ttccatttga 810

<210> 15885
 <211> 1338
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (159), (183), (234)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15885
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 tgcattccaga gctggctccc aaggagtcca aatccttcct cgaaactaag gcggaacaga 120
 tcagacgaaa atcgggacgaa attctcgggt tcgaacacng tggggcaggg gggctcgctt 180
 cgncgaaaaa agtctatggt gtcccgacag attgacacct tcccagggtta cacngatggg 240
 cgcgagccgt ttcagccgga acgatcgag tcgaggaaca agtctttgag cccgaatttg 300
 cttcagcttg aatcggttaag tgaggactcc aagctccaaa ccccgagcgc ggcgtccttt 360
 ttggacggag tccagaagct caccatagaa gaggatgtcc cgatcttgcc tcccgcacct 420
 cccgggcaca gtctccgccg ctctacccga acacaataca gaaaagccgg tagtttgagg 480
 aaaggtgaaa aggttccctt ctcaaagcga gctggtaggg catcggaac gaacgaccga 540
 gcctcttcaa tcaactagtt atctgcggac gagccccct cagggtctac gcgagtggct 600
 accgatccaa cgcctagcac aagacgcgca caggccgagc cgcattacct catacaggcc 660
 gctgtcagct cttctacaca gtttgacaat agcaggggcg atggctggcc ggaaacgaat 720
 cttggagaca ggacaaatgc ttctcctcag gcccgccatc agtggcactc tcgcatcagc 780
 tccaatggcc gctcaacctt gaatatcccc cccaccgaac aaagagtgc ggaaattatc 840
 gagacacccc cagccgaatc tccggcaact cccacaacac ccacgacatc cacgacacct 900
 acgacaccca cataccacca cagttacagt tcgggcccgg aggcacgcga agatgcgcca 960
 ccgacactgc cttcaaagga ttcccctctt cgagatccga gtacaaccaa acgatcggga 1020
 gccgcacggc tgccggggaa ggagagctcg aaaactctca atgactttgc gaataacca 1080
 caaccactcc cgggaaacac aacacggacg gacaacctct cattcattcc tacaatatcg 1140
 gaagatcgca agcccagacc caaaaagtcc aaagataaga aagattcgga gggtagtcgc 1200
 aagtcgagtt ggactggtt gctcggctct gagggagaa acaaggataa ggacaaggaa 1260
 aagaaaaagg acaaggacag tgatttgaag aaaagcgaat ctaagtcagc gggatcgact 1320
 tcacgccggg ctaagtag 1338

<210> 15886
 <211> 570
 <212> DNA
 <213> A.fumigatus

<400> 15886
 actcccgcgc attctacggc aatggcagaa acggagacac catgtacaat gatattccca 60
 tctatgatga cagacatgac gatgttgtct gggagggccg aaggggagag gcatacgggtg 120
 aggggcaacg gcgtgaccgc ggcggtttta acggcaccga tgactacgag tatcgcgaca 180
 gacctcgcgc gagtacttgg gcagacgacg tttacgatcg gcccccgca ggtttgccc 240
 gttctttcta ttatggttca cgccgatgct ttcgacagat acggcgcccc cagtcggagc 300
 aacaccgttc catttgacga agattacgtc tattccgacc gcaagcccag ccgcccacgc 360
 aaacccaagc ctgttttcgg gcagcgcaca ggacagagtg ctcttctgcg ggcagatcag 420
 ccgttcgcat tatacacatt tgatgcagat caggaaggag acttgggctt taagaaggga 480
 gacattatca cgatcttgaa gcgcacggac aaggccgaag attggtggac agggcgcat 540
 ggcgacaggg tcggcatctt tccgaggtga 570

<210> 15887
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 15887
 actagtctaa atattctgga atttgttaga aatagattgt catttgctca gtatgtgatt 60
 acttttttgt taaggacact cattattcga gaaatcatgt accctatgaa ctggatcaaa 120
 gcggaaatag cagaacctcc aaccttgtcc aggttacctt actttgtggt acctgtttct 180
 atcgctga 189

<210> 15888
 <211> 744
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (688), (712)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15888
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 caattatcta ttagtgacct aagccaccat gtcacggaag ccattgggca tatgtacgaa 120
 gacgattacg acaggcgga gtccaaacgt ctcagcttcc tttcttcccc gctcagcgaa 180
 tccatctcga taatccctcc cagcctcgcc ggatccgaag actccgcctc accgcagtcg 240
 ctgcacgtac aaaatcgctc gaacgcctg gatagtcctc agacgaatgg acgctcacgg 300
 ccatcactgg tttcctccaa gtccggtgac cgggacacca gcaacccgac gtctccccct 360
 tcgacggaca cagctaccac ctcattccct ttaaacgacg tcgactacga atctgatccc 420
 gctgcggttg cccaggagct cagtaacctc gctgctatcc ggcggatgtc tatggacgtc 480
 acagcaacag gagatccga ccttcccagt ttctccgtac cgctcgatagc tccgtctcct 540
 tccgcagacg aaaatgacgc atctcgttta ttctgggttc cagctcgggt gcacccagag 600
 ctggctccca aggagttcaa atccttcttc gaaactaagg cgaacagat cagacgaaaa 660
 tcgggcgaaa ttctcggctt cgaacacngt ggggcagggg ggtcgcttcc gncgaaaaaa 720
 gtctatgttg tcccgcacga ttga 744

<210> 15889
 <211> 588
 <212> DNA

<213> A.fumigatus

<400> 15889

atgatttcaa	ctatcctgag	ccaagtgggc	cagcttatcc	cagctccatg	ccgccgcaca	60
tgtactttcc	caactcgacc	attaggcggc	caacgagcac	tgagcctgag	aactacgaac	120
tcaaaccgag	actgggggac	aacgggtggg	ccactcccg	gtaatgtgag	aaacccaca	180
tttgacagta	gtcatccacc	cccatttggg	tcgattttct	tgaatcaatt	ccttgctgcg	240
caacgaagtg	gctcttgccg	acgggatatt	cgcttttctt	ttgtcacttg	tcccatccgg	300
aatgtccccc	ttgtcttctt	agcagaagcc	aattggcgct	gcattatctt	tttaccatc	360
tccttttata	ttgggttttg	tcatatccct	catcatcatc	atcatcatca	tcatcatcat	420
tatgctcttt	tgcctctg	gatatgttct	ctttctgttc	acggtcactt	tgcattgata	480
aggccttgca	taagcgcgct	gggaggagtc	cggactagct	ctgatttgtg	ttctctattc	540
gtttctttct	gcttaatgtg	tgacacgacc	aggacgaagc	atcaatag		588

<210> 15890

<211> 489

<212> DNA

<213> A.fumigatus

<400> 15890

gttttggcct	tttccggggc	gaccttgctg	cgacgcagca	gctcttcttc	ggccagcaaa	60
ggagcaatgt	cattgtcgac	gccaaaatca	cccccaagcc	tcttttgtgt	caacagtctc	120
tgtcgcaaaag	aatcaggatc	cagattcctc	tccttagcca	gcctctgcac	gaactcctcg	180
tccacctcgt	cttcttcttc	ctctctatcc	agattccctc	ccactccctc	cgcttctggg	240
aaaaggacga	gcttctcgct	gacttttgtc	gtgcgtggag	gtaaacgcgg	ttgcgcgcga	300
agtcgtccca	tcgttgctgc	gggtgtggcc	agccgacttc	cgcttccaat	cggaccagag	360
ccacctgcac	tacttccgcg	accgatcaat	ccaccagctg	cagatgctag	acgagagcgt	420
ggcctgtggt	gtgtcgtagt	cgagggtgga	ccacgttggt	gcatggaggg	aacgtcggaa	480
gcatactga						489

<210> 15891

<211> 237

<212> DNA

<213> A.fumigatus

<400> 15891

ccggctgcac	cagatcaaac	ctggatcatt	atcgctctca	tccttatctc	catcggtgtt	60
acaacctccg	aggtcttctt	ccgctttggg	ctgctctcgg	ctcgcgaaaa	gaatccctct	120
tcgacttctt	ttggcgccat	gcttttctct	cgcgcttcaa	atccggctat	ctgctcgtgt	180
cctgcgcagg	gtgcgtttga	catgaatgca	actgggcttg	ggtcgcatta	ttcctag	237

<210> 15892

<211> 1158

<212> DNA

<213> A.fumigatus

<400> 15892

gcaatcgcg	tccttccagc	ccgtgggtgaa	gatcttactc	caaaacttca	agtgcattgca	60
tctgacgata	atgcaaagga	tggttatata	accgatcacg	agactgatag	gattagtggc	120
aattggctcga	ctttaaagcc	agtcctataa	tctggcgcg	cagctccgaa	gaaacggggc	180
aatgacaaag	attccacgac	aaaacgaaca	aatcctacca	agagcaagtc	ttccactaat	240
agcacgctga	cgggacgggt	caccaagaag	acagagagga	aaccagcatc	gaagacggag	300
ggcaaattca	aatcggcaga	gtttgttcag	gaatcggacg	aagatgacac	agacatgcc	360
gatgcaccag	tgcacacgcc	cgcaccagca	ccagagaagg	cgaagccaga	gcaatcaaag	420
gtccaaacct	aaaccaaaca	gactgcgtcg	agcaatgtcg	gagatctctc	ccacgcgttg	480
acgcccagg	cgaatcagtt	tgacgccccg	cctccccgtg	ccgaatcaag	ctctcaaaat	540

gccattaggc	ctgtcgctgc	gaagaggccg	cgcgtccaacc	gggcaccgaa	ccagagatca	600
cctcaaaaaac	cgtcgcctct	cggatcctcc	ccccagaaa	atgcatcgga	ctcccaaagt	660
cgcagtcggt	cttcgagtcg	aaacgacact	tctagctcct	cgctctcccc	tctcatcacg	720
cagttaacta	aaccaaaca	ggtcacaccg	tgcactgggtg	cgatcaagac	gaacggagtt	780
accaagacaa	cagagtcgtg	gaatcctctg	aagcgcaagg	ctgagacaga	ccggccatct	840
gcaaatacgt	ccaagacaac	aggccgcaca	accggaaact	tagaacacaa	gcggaggcgg	900
gcggtcagta	cttgtagtgg	cagcaccggg	agcgctcgc	cgctctcag	ccgtgagata	960
ctgcgccagc	aattacgcga	gaagtcgcag	aaattcaagc	agtactacgc	caagtatcgt	1020
gcggtacatg	actcgttggc	ttcgcattca	gacccaccgc	ggggggagtt	ggagcgatta	1080
ccacgacagc	atattcgtct	acaacgaatg	aagaaggaaa	tctgggacga	gcacggacga	1140
cttcgggatg	gtctataa					1158

<210> 15893

<211> 519

<212> DNA

<213> A.fumigatus

<400> 15893

aagtcaatct	ctgtaagtcc	atcccagcag	tgcctcggct	ccagctcctt	tccccaagct	60
aacaagcgga	atccgcaaat	agcatccaac	atgctcgacg	tacccaactt	cttctgggag	120
agcgaaccaa	ccctctaccc	gctctacaac	gccgtccgcg	aatacctcga	gatcaagccg	180
cggatccagg	tcctcaacga	acgatgtaga	gtattccttg	acctcgcgga	gattcctctcc	240
gactcgatcg	ccgataacag	aacatcccgt	gtgtccttcc	cactgttaac	ccatctgact	300
gactttctca	ctaaccggct	gcaccagatc	aaacctggat	cattatcgct	ctcatcctta	360
tctccatcgt	tgttacaacc	tccgaggtct	tctcgcgctt	tgggtctgct	tccgctcgcg	420
aaaagaatcc	ctcttcgact	tcctttggcg	ccatgctttt	ctctcgcgct	tcaaataccg	480
ctatctgctc	gtgtcctgcg	cagggtgcgt	ttgacatga			519

<210> 15894

<211> 1548

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1034)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15894

gtgacggact	cgcgtgagca	acaacctcaa	cctgttcgct	gtgcctccgg	tacacgcttt	60
atcacgcgtc	ataatgtcct	tcagtatgct	tccgacgttc	cctccatgca	acaacgtggt	120
ccacctcga	ctacgacaca	accacggcca	cgctctcgct	tagcatctgc	agctgggtgga	180
ttgatcggtg	cgggaagtag	tgcaggtggc	tctgggtccga	ttggaagcgg	aagtcggctg	240
gccaacaccg	cagcaacgat	gggacgactt	gcggcgcaac	cgcgtttacc	tccacgcacg	300
acaaaagtca	gcgagaagct	cgctccttta	ccagaagcgg	agggagtggg	ggggaatctg	360
aatgaggagg	aggaagaaga	cgaggtggac	gaggagttcg	tgcagaggct	ggctaaggag	420
aggaatctgg	atcctgattc	tttgcgacag	agactgttga	cacaaaagag	gcttgggggt	480
gattttggcg	tcgacaatga	cattgtcctt	ttgctggccg	aagaagagct	gctgcgtcga	540
cgcaaggctc	ccccggaaaa	ggccaaaacc	tacgcagagc	ggctacccaa	ggcccgctgt	600
gcggaaaagt	tggcgcgtgt	tactgcttat	tgcacggcgc	aggcttacaa	gatgagttcg	660
ttggcggcgt	ttgtcaagga	caagcatggc	ggacggacta	agctgtacga	tgattgtctg	720
tatacggcgt	accatttacc	ggtcttgagg	gctatcgagt	gcgaagcagt		780
ccgatgggtga	agaaacccgg	aggcaaatct	cttctgggat	aggaaattga	gagaaacgag	840
cttcgcgcacc	atcatgatga	ttatgtcatg	gacgcagagg	agcattctgt	cgggggtcac	900
catcaaagac	atagttcatt	gcacgatgct	agcgaatcat	tgggtgctgga	tggcacattg	960
atcaacaagt	tcgaggaggga	cttacatcat	tccgaaagcg	ataccgtgaa	ggagggcagc	1020

agagtgtcag	tccttggtca	tgggccagcc	caagggtctc	ctgcctcaac	ggagcccgca	1080
cgcctaccgt	acgatgtcgc	agagatgttt	gttttcagct	acggcgtagt	ggtcttctgg	1140
aacctgacag	agagacaaga	aaaggatctg	ctagccgata	tggcgtttgc	aaactcctct	1200
actactggat	cccgcatacc	actggcaacc	atgcccttgg	acgaagagga	ctttgaaaca	1260
gaagaatttc	acttcgaata	ctcgaccgaa	atttcacggc	ctcggttatt	caacgacatg	1320
atcaccttgc	gcagcggcga	ccacatgatt	aaactagcta	tcagccacgg	catcgcgcaa	1380
agcaccaagc	tctgcttttt	tgaagaagtc	atggcgcgcc	aaatggccga	ggcgaaggac	1440
gtcccacgca	gactcgccat	gacaggcaag	ctgggcatga	agcgcggaaga	agatcttccg	1500
tatcctaggc	aagcttttca	aaagccgcgt	agaagtcaat	ctctgtaa		1548

<210> 15895

<211> 429

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (167)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15895

cttgactcta	cccagatccg	tgaagagcga	gccgcagaat	atgagcgggc	gcttgaagag	60
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tccagcaatg	gggatgttga	cgagcaggat	gaatgggaag	gattcgntga	gcttctctgca	180
gttgactatg	tagccgaata	tatcgatgaa	gacaaatata	ctaccgttac	tgttgaagag	240
atggatgcgt	ccagagaagg	cttactcagg	gctgcgaggg	gcgacaagtc	agacgaggat	300
gaggacgagc	gaacgaaaac	gaagatcgga	agccgatgtc	aaatccacaa	ccacaaattc	360
agccgagaag	aaaatgaagg	agaagagcaa	gccaaaaaag	aagaaaaaga	agttccggta	420
cgaaagtaa						429

<210> 15896

<211> 315

<212> DNA

<213> A.fumigatus

<400> 15896

ccgaatatat	cgatgaagac	aaatatacta	ccgttactgt	tgaagagatg	gatgcgtcca	60
gagaaggctt	actcagggct	gcggaggcgc	acaagtcaga	cgaggatgag	gacgagcgaa	120
cgaaaacgaa	gatcggaagc	cgatgtcaaa	tccacaacca	caaattcagc	cgagaagaaa	180
atgaaggaga	agagcaagcc	aaaaaagaag	aaaaagaagt	tccggtacga	aagtaaggag	240
gagcgcgaaag	ttactcttat	gaagcagcgc	caagccaaat	cgagaaaggc	caagggttcgg	300
cgagaacgag	gatag					315

<210> 15897

<211> 438

<212> DNA

<213> A.fumigatus

<400> 15897

gatgcataatc	ggcctcataa	cgaccttgag	tccgagaagc	ttaccttctc	taacattatt	60
gtagagctcc	cggatatccc	tgacgacatt	gcttatgaca	cgacgtttcc	tcagtttcaa	120
cccaagaatc	tggccttggg	atttgaaagt	gtgtacggag	acaaccaagt	cggagaggat	180
ggccttacca	aacgacagcg	caaattccag	gaggactcaa	ttgcgttcga	caaaaagggtg	240
gacgaaatga	ttttgaagca	gcttgaagag	atcggattcg	aggacaagac	ggaattggac	300
cctcccagcg	agcctcacgt	ggaagaggta	cctaaacgac	gcctcgaggt	gcgccgtgct	360
aaattgacta	tgacgaaacc	caagtatacc	agcaatatct	gtcttcacca	cggggctgga	420

agggccgcgc tcaccaac

438

<210> 15898

<211> 339

<212> DNA

<213> A.fumigatus

<400> 15898

agaatgaacg	ccctccgcct	cgaggctgat	gaggcccaga	acaagggtgga	agagctcaag	60
gctaaagtga	agaccctgga	gcaagagaat	ttggcaaagg	aacaggagat	cacatccctc	120
aaccaccgga	accagcttct	ggagggtgag	gtcgagaagc	tcgaggctgc	acttaaggag	180
gccaaggagt	ctgccaacca	gagtgtctcg	cacgacactc	agaacgaggc	ccttcagaga	240
cgggtgcagt	tgctggaaga	agaggccgag	gaagctgacc	ggaatttgcg	ggagacaaac	300
gagaagtatg	actcggcctg	ttccgtccat	atccccata			339

<210> 15899

<211> 354

<212> DNA

<213> A.fumigatus

<400> 15899

caggctcctt	ctagtatact	tgctacttca	tcaaatatca	aggccgccac	cagcgttctg	60
gaggatctta	gtcacaaact	gagcacctgt	ccttcggatt	actatgtaat	cgcattctcag	120
cccgggtgtg	acagcagcga	tttcgcgact	cgcaagtccg	ccccccgcct	gggcgcaaag	180
ctgaccggga	acgacaaagc	aattcgatcc	agtatgattg	tcaaggaggt	tgccaggtgtt	240
ctggaggcaa	agcagatcca	gagtataatt	gagaaggaat	gcggggcgcg	gtctactttg	300
atcgatgcat	ctgggtgagtt	cgagagactt	ataagcttca	gaagtcgaga	ctga	354

<210> 15900

<211> 321

<212> DNA

<213> A.fumigatus

<400> 15900

catcgcatgt	tcgttctgac	ggatgataaa	gatggcctcc	ttgccaatat	cattgaccga	60
atcccttctt	cgaagaagta	tacgcttctc	tacgtgacat	cgccgagggg	gtttgagggg	120
tccgaggggtg	tcgtttataa	agccgaggac	agttaccagg	accctctccg	catggagctg	180
aagcgggact	actcagccca	cgaaagtcaa	agtactcctg	catctaacia	atctcttttc	240
cgagagtatc	aataccttac	cccaggtagc	atctctgaag	gttttctgca	atgtccaaac	300
gtagtgactg	accacttcta	g				321

<210> 15901

<211> 234

<212> DNA

<213> A.fumigatus

<400> 15901

tctctcggtc	tgccctgatga	tcttcagtgc	acaactgtgc	agtaccaatc	tgtctttgct	60
atggggccta	tccacctgtt	ttacagcata	gctctagcct	ctaacggcca	cgagcctgac	120
actatactct	attcgttgct	tgatactctg	catggactgc	ttcttattcg	tcctcaacgc	180
gatgagtctt	tcccaacggt	ccaaggaaca	ctgatctcgt	tttcaagctg	ttga	234

<210> 15902

<211> 237

<212> DNA

<213> A.fumigatus

<400> 15902

gtgcttctct	tctgtcctgt	gtggcacttg	tcccctttgc	tgactcttct	cgcggaagaa	60
gtgagcatgc	aagattttta	tctgttccca	ctcaaacagc	cttccctccc	ctccttcccc	120
tattacttct	tgtctgtgtt	gaggagcaat	ggcggtagca	gcggcaacag	ggctgaagca	180
catctgaaac	cggttacgtc	acgtcatcag	caagtgattc	gacaagatgg	acgatga	237

<210> 15903

<211> 285

<212> DNA

<213> *A.fumigatus*

<400> 15903

ggcaaacctcg	cggccatgca	gcagcccaag	gacacggacc	caaatttccc	tgttgacgga	60
gggggctgtc	gacctcaggg	cgagacccat	attgaaaccc	aacgatcggg	ggatcctaac	120
atgtctatcg	aagactacaa	ccgcgttatg	ctgcagtata	cccagcgacg	catgtcgacc	180
ttcctggaca	tgggcaacga	cggcgggtct	cctcccagtc	gcaacggccg	gagtagcgac	240
agcgtggcaa	ccctttccaa	gcgtgttttt	ttgtaccact	actag		285

<210> 15904

<211> 318

<212> DNA

<213> *A.fumigatus*

<400> 15904

cccattcgac	gtttcactct	cgtcttccct	tccttcgaaa	ccgcctcccg	aacgattgta	60
tatttcccg	cctctaccaa	gcaacacggg	ttgcaacaac	atcgaaatcg	ccaacgcgcc	120
aactacgact	tcgacacacg	aataaaagcg	acaatcaaca	aaaatgcgtc	ctataactat	180
cctctgcacc	ctcgctacac	tctcaaccac	actggccgct	ccattctccc	aggcatccaa	240
atcaaccagc	gcacaaagat	cgacctcttc	ttcaaacagt	ccggcaagtc	taccctcgcc	300
aacactcagc	ggacctaa					318

<210> 15905

<211> 1458

<212> DNA

<213> *A.fumigatus*

<400> 15905

gtgcttaact	ccgaccaggg	tactcatac	cttcgactaa	acgtcatgat	catatttagg	60
tatatcgact	atctgggatg	ccaggagagc	aatctcaacc	gcgcgaataa	ctactatgcc	120
cgctatacta	ccagtacaat	atgcagcgga	ctcgttcaaa	gctcaaagac	ccactgcaat	180
ctttctgacc	agcagtcaag	gccgctttgc	gccgacactt	gcgccttgat	ggccacgagc	240
gaggcgga	tcgtcgtcaa	tgctgacctt	tgcgggacaa	caggcagtaa	ttatatgagt	300
caaattcggg	cagactttac	catatgctcc	ttgcctgccc	actcactcac	tggtacttgc	360
atttcggggc	cggataacga	accccaggag	tgcggctata	ggtcgaattt	gatcggacta	420
tgtggatatt	gtggagccag	ttcacccaac	tcaactgatt	catgctgtgt	caatgcgga	480
gccgcgagcc	gctgcgaagg	cgttacgatt	cccaccccaa	ctgtaacctt	gcgaccaata	540
ttcacctcaa	cctccaactt	gacagcagat	gcaggtgctc	atgacgggtc	atcgggaggg	600
caaatcgag	gtatcgtcat	cggatctgtt	gcgggagccg	ccctcctggc	agctcttacc	660
tttttgggtc	tcttttgtgt	acggcgagca	cggcagtcac	gggattatag	tgtcttcaat	720
aagcccaatc	cgcaacggag	agggattcca	gcgatgcaac	aggataaaaa	tcagcaaggc	780
ttacctccg	tgccagcgag	acgggtggcc	aggatgtctg	ctctgcgcga	ggccccagc	840
ttgtctocca	cacgctctcg	taactctgcc	gctcgttttg	gaagcaccaa	gcacagtgat	900
acgtccgact	cagaagggtta	cggggcgagc	ccgggcgcaa	tgtcaaagag	gattccggcg	960
gtcactggaa	gacgccatgg	atctctctcc	agcaactccg	cccttgctgg	cgcttatagt	1020
gacacctcac	ctcgtctcag	aactgttggc	caattctctt	caccggaagg	cgttgcgagt	1080

ggacagtcgg	agcaattgtc	ttcgttccaa	gattattact	catctgatga	catacaccgg	1140
ggtgataagg	tagctgtcct	ctgggcctat	cagcctcggg	caggggatga	gtttgccttg	1200
gaacgcggag	agatgttgaa	ggtgatcggt	atctgggacg	acggatgggc	gaccggcatt	1260
cgcggtgccag	aaactgcaga	agactatgac	gccagacacc	gcaagcagcg	ggacagtggg	1320
gtatctaata	gatcacagag	attgggtgcc	tctccatcgc	ctactgggga	tatcaaggca	1380
ttcccgtcgg	tatgtgtctg	ccttccacag	cattggcgaa	agatcatcga	aggcgggcag	1440
gatgaagatt	tttcgtga					1458

<210> 15906

<211> 240

<212> DNA

<213> A.fumigatus

<400> 15906

tggagtctgt	ttaattacct	atcacgtact	ttcgaggcta	aagtgaccgg	caatgcgcaa	60
gagaagtacc	taagctattg	tgccgtgcct	gactatctat	ctacctactg	gctaagcggc	120
cgttaccccc	ttttattatt	cttcttctgc	accgcgcctg	gatgcagact	gccctctgcc	180
ggctgcgaat	ctgtgataat	cgagtcgact	tggggttcaa	gaccttactt	tgacccttga	240

<210> 15907

<211> 849

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (85), (131), (171), (337)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15907

ttcaagggcc	cgaagcgtac	caaaacaaat	tctgccagaa	tgtcgaattc	gcctttacta	60
aagtgttcta	agattctgcc	caggnacgtg	aatgagcaag	cactgccaaag	caaattccaa	120
ttccaccaag	nctttatttg	gggcttggtc	gtcgccggct	cttggctgtc	ntactctctt	180
tttttccagc	catatgattt	gggctcaaag	tatagctatg	ctgtgacatt	tctcatgttg	240
atcattataa	gctacgggtg	tatgatgttt	gccagcagct	acgtgaagaa	agagcaacag	300
ttctggtatt	gggtcgtcac	ggcatggact	gtgtatntgc	acatcaaata	actccgcca	360
tggcatggct	caaaagatac	tccgttctcg	ttctcaccat	ttgcaagatg	tatgacagtt	420
gggctggcca	tctcttatcg	gattctcaga	cgctggaatc	aaacaggcca	aaaatttgct	480
gctgagccag	atattgcgcg	agatttcttt	cctcgccatc	agaatatctt	gtgggccttg	540
attatactga	cttactttga	tacatgcatg	catctttgtc	tcaattcaca	ctcgagtaat	600
atctggcggt	ctgcagctat	actgacgaca	atagcggcct	tctttttcaa	gctgggtttc	660
gtggcgctcc	actctcccga	gcttctttac	gagtctctcc	tatcacccat	acagaaaagc	720
cttgaagaga	tgccattggg	tctacctgca	agactcgtct	tctgtggaat	tgccctactg	780
gtggtgacat	cgttctgtat	gataaatgcc	acgcagaaac	gatcttctct	aacaggaggc	840
gagtgttga						849

<210> 15908

<211> 603

<212> DNA

<213> A.fumigatus

<400> 15908

caaacattag	tgattccgcc	gggcaatata	tttcatgaaa	gcctgaccct	cttcttgata	60
acacagtcaa	aagcgcgtcaa	tatcccgatc	tttctgatgt	ttcgactgca	ggctattatt	120
cttgattttc	tgaaaatgag	cgctattgaa	gtgaccctta	cgctcttgct	ttcgcagaat	180
atgacatttt	ttgcatttgg	agggttcgaat	gcaatatctt	ctgtcgatct	ttccaacgca	240

tacaacggga	ttggcagtta	tagtggtgtg	ctagttggag	tcttgacatt	cataagcaat	300
tgggctgggc	ccatatggtg	ggcatccgct	gctcggcttc	tctactcaaa	tccaaccttt	360
gcggaaagat	acggccaaag	aacctccta	acctccatg	ctgcaacgtc	tttgatgtcc	420
gttatggcgg	cttgtaacaat	gttacggaca	catcttttca	tttggacagt	cttttcacca	480
aaatatcttt	atacattggc	ttggactatt	ctcaaccata	tgttcatcaa	tttacctgct	540
acggcgaacg	tgtcgcaagt	tttgaactgg	caatatgcgt	ttcattcagt	tgcttgctgt	600
taa						603

<210> 15909

<211> 327

<212> DNA

<213> A.fumigatus

<400> 15909

gatcacgatt	tttcaggtgc	gggtggggta	ctagtagttc	cttatctagc	tagcagttcc	60
aaaaatgcc	aaaaaactgc	cccggtctac	aaagggtatc	taaaccacgg	cgtaggtttg	120
tttctcttca	tcatcattct	atttactaat	acgatttttc	tctctgtcct	ttttcatctt	180
gtaattcttt	tcccttgctt	atttgcttgc	cttcacgctc	tccctttgat	tctttacctg	240
accacgccc	ttcccagcat	cttctcattg	aacaatggat	ttgaacagcc	ggttatagtt	300
tgttccgcac	aagaacttcc	tagttaa				327

<210> 15910

<211> 618

<212> DNA

<213> A.fumigatus

<400> 15910

cttggcatca	gtaacggtgt	ctacacggcc	gcaggtcttc	aggccctctt	cgacacagct	60
ggcgccctcat	ggtgcggtgc	aggatgcggc	aagtgtcata	acttgacatc	aactggcagt	120
gctccttgca	ctggctgtgg	caccggagga	gccgctgggg	agagtatcat	cgtgatggtc	180
accaacctct	gcccctataa	tggcaatcag	caatggtgcc	ctcaggtcgg	tgccacaaac	240
aactacggct	acagctacca	ctttgatatc	atggcccaga	gtgaagtttt	tggcgacaat	300
gtggttgtca	actttgagcc	ggttgccctg	cctggccagg	ccacttcgga	ttgggagaca	360
tgtgtctgct	acggccagac	cgagactgat	gagactccag	tgggcatgac	gcccggaggc	420
agcaaccttt	cccctctgac	atcgacaacc	accaccaaga	caaccaccac	cgagacaacc	480
accactacca	ccactggtgg	agccactcag	acgctgtacg	gacagtgcgg	tggcagtggt	540
tggactggcc	ctactgcctg	tgcttcgggc	gccacgtgca	aggtgttgaa	tccttattac	600
tcccaggttc	tctcataa					618

<210> 15911

<211> 639

<212> DNA

<213> A.fumigatus

<400> 15911

agcagctgtc	cttcctgcgg	tcgtgttgaa	aacggggcaa	tactggcact	gctgatgaac	60
aaaaacagca	ccacctgtga	cagcctaaac	ggcgttacct	acgacacgtt	gaaagactgg	120
ataattttctg	gcgtgcagga	gtactacagc	accctgcaga	ctacctggcc	cgatctcaca	180
cccttcacc	aggctggcgg	gaaagtgatc	cactaccatg	gcgacgctga	tttcagcatc	240
cccactgctt	cgtcgatccg	ctactgggag	tcggtgcgga	gtaccatgta	cggcaacctg	300
tcgtacaaag	ctggtgctaa	cgcattgaat	gaatggtacc	gcttatacac	tgtgcctggt	360
gccggccact	gctcgaccaa	cgatgccatg	cccaatggtc	catgggctca	gaccaacctc	420
gtcaccatga	tagaatgggt	cgaaaaggga	gtgactccgg	tcacctgaa	tgcaacagtg	480
ctccagggcg	agtatgaagg	cgagaccag	cagctctgcg	cgtggccatt	gcgtcctctc	540
tggagaagaa	aaggaaagac	cctacactgt	gtgtatgacc	aggcgtccat	caacagctgg	600
cactatgact	tggatgcagt	tcctatgcct	gtatattag			639

<210> 15912
 <211> 462
 <212> DNA
 <213> A.fumigatus

<400> 15912
 cgaaccaatc acattatcac ggcccccaat tcctcgttag cagatacatt cctcaagcca 60
 ccacggtcag tcattcctgg gctgtcgacg cggagaaggc tagatgagta caacaagggt 120
 acatcccacg tgaaacacga gactcaaaca agtataaagg cggaccgatc cgaccgaaaa 180
 atcctctctc gctcctgtca ttctactata ttcattctcg acaccatgcc tgccaaacct 240
 attttggcct tagccctcat cgccgctgtc tcagcagcca agcctaccgt ctacctcatc 300
 cgtcatgggtg agaagcccag cgatggagggt aatggattaa gcgctcaggg gcttgagcgt 360
 gcgcaatgcc tccgcaatgt ttttggcagt gcttcaagct acaacattgg ttatatcatg 420
 gctcaaacgc caaagcgaag tatgatgact gtatttttct ga 462

<210> 15913
 <211> 372
 <212> DNA
 <213> A.fumigatus

<400> 15913
 tatatccatc cagatggcaa acgcgctcgt cettacgaga ccgtagagcc tctcgcagaa 60
 gacctgggtc taactgtaga cagctcctgt gatcgcgatg atcccaagtg tgtcagagat 120
 gtggtcgaag gctacaccgg gtccggcaat atcctgattt gctgggaaca cgacgccttg 180
 acggagatcg tcgacaagtt gggcgacgat gacgccccat cgtatcccga tgaccgggtc 240
 gtagtcttta aatacaaaact caccattcca tggctgaaca atctcagggt cgacttgatt 300
 tggaccgatc cctatcccta ctccgagatc acagcacaga ccagcgagca atgccctgggt 360
 ttggatgggt ag 372

<210> 15914
 <211> 591
 <212> DNA
 <213> A.fumigatus

<400> 15914
 aatcctcatt ctgacacac acgagtccga acaacgacca gtcgccgaag aaccatgaag 60
 atggactccg ttctcgtgca tgcatatgaa caggaggcca acgacgcgga tggagtcgat 120
 caggttcgag acgagtattc cggctccatg gctgggtgta aaagcacata tgctccaaac 180
 atgcgcgttg ccagcaacga gaagagcgga aacagagcgc tagcgaagga tatcgcggtc 240
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 ttgggttcatg caaatccaag gatgagcatc agcctcctga atctcccgat tatctttcat 540
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<210> 15915
 <211> 405
 <212> DNA
 <213> A.fumigatus

<400> 15915
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gcacatctccg	gcggtccttg	ggatgggcca	gcgcatctcc	gcctcgcttg	cctcggttca	240
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cgacgcagtg	agcatctccc	tctccccct	cgccccatcc	cgagcgtccc	aagaagaggc	360
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<210> 15916

<211> 1959

<212> DNA

<213> A.fumigatus

<400> 15916

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caccagattg	gggtgacggt	catcgggcca	ggggccgaga	tcctcgagca	aacaggcgac	360
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gtatttgagg	ggagcgatgg	ggaggaggat	gtggctgagg	ggatgttact	tgtcgaactc	1920
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<210> 15917

<211> 603

<212> DNA

<213> A.fumigatus

<400> 15917

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catacacact	ccacctggca	gccgccggcg	ccaacaccgc	cgccagcgcc	ctcgtctcgg	540
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<210> 15918

<211> 429

<212> DNA

<213> A.fumigatus

<400> 15918

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gcaacaatgt	ccagggtctc	gggaagctcc	acggccgacg	cgctcctcct	acagccgacg	360
acttttagcat	ccgcagcggc	cacgccgacg	gctccacggc	cgacaagacc	atctacgccc	420
agaagctag						429

<210> 15919

<211> 636

<212> DNA

<213> A.fumigatus

<400> 15919

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gatttttcagg	acctcggcgg	gccaatgggtg	cactgcacca	atggcaccat	tgataacctt	180
gccgccaatg	aggccgagtg	cttcgagcag	ttggcgacgg	tgctcggggt	cctgcccac	240
catggaggcg	aggcgccggc	agtgggtgaag	tgcgaggatc	cagtggagag	agaggatgtc	300
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tgcgatgtga	tgaatctgcc	ggtggtgcag	tttgtcgacg	tccgtatgtc	ttggtctttt	600
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<210> 15920

<211> 360

<212> DNA

<213> A.fumigatus

<400> 15920

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agtccgcgga	cgagacgatc	ccccgcagca	ggggcagggt	cgtcgggacg	ccttggtatg	300
gggtaccgcc	cagcacgcgc	cgcgcctttc	gcacagccgc	ctcccagctc	gaggctgtga	360

<210> 15921

<211> 657

<212> DNA

<213> A.fumigatus

<400> 15921

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ccctctcgcc	gcggctacgc	acgccagaaa	caagcaggca	agctctgggt	ccgcgagcgc	180
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gtccagggtc	tcgggaagct	ccacggccga	cgcgtcctcc	tcacagccga	cgacttttagc	360
atccgcagcg	gccacgccga	cggtctccacg	gccgacaaga	ccatctacgc	cgagaagcta	420
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gtcgtcgagc	agctgaacaa	ggggattccg	aatctggggg	ccgtcgttgg	acctgctgta	600
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<210> 15922

<211> 516

<212> DNA

<213> A.fumigatus

<400> 15922

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ctttacaaat	ggaatgcggg	acagtatggc	agctatatgt	atcacgctca	cagcagaggg	180
cagattgatg	atggcttata	cggagcgatt	tatatccgtc	ctgggtgacga	agtggagaaa	240
cccttttggt	tgataagtaa	tcgtacacgt	gaagtcaagg	ccatgcgacg	agccgaagaa	300
aggacaaccc	ccatagtgtc	gagtgtactg	cgccagttga	cgtcggagga	gctgtggcat	360
gcggaagagg	caactggact	agacgcatac	tgtgtgaatg	cgctattagt	caatggaagg	420
ggctccgtac	agtgtctaga	ccgcagtacg	ttggatcggg	atagcgcggc	aaagtgggca	480
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<210> 15923

<211> 1086

<212> DNA

<213> A.fumigatus

<400> 15923

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tcgacggagc	tactcctcgt	tgatccacaa	gcttcgtacg	ccagctttga	cctgattagt	180
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cgttattcgg	tcattggtgaa	actggataaa	ccggctgggtg	attacaccgt	gcgtgtagcg	360
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ttcttgatcc	attgtcacat	ccaaatccat	ctgagcgggtg	gtatggcgct	ggcaatattg	1020
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tcatag						1086

<210> 15924
 <211> 660
 <212> DNA
 <213> A.fumigatus

<400> 15924
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 tccgagatga tactgagctg tctacgtcga ctgcaccgca agtcaccggg cgcacgcgct 240
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<210> 15925
 <211> 483
 <212> DNA
 <213> A.fumigatus

<400> 15925
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<210> 15926
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 <212> DNA
 <213> A.fumigatus

<400> 15926
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957

<210> 15927

<211> 222

<212> DNA

<213> A.fumigatus

<400> 15927

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gcgttgata tccaacacag ggagcatgta tatcatgaga atcatgagac tagctatata	180
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<210> 15928

<211> 207

<212> DNA

<213> A.fumigatus

<400> 15928

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ttgtacatta gacaactttc tctactatgtc acttcttttc agaagaccag tctcctctac	120
atctgtttcg tcttgaatcc ctgcactcat tcaaccaccc tttctctggg ctaccaccct	180
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<210> 15929

<211> 516

<212> DNA

<213> A.fumigatus

<400> 15929

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<210> 15930

<211> 738

<212> DNA

<213> A.fumigatus

<400> 15930

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<210> 15931
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 <212> DNA
 <213> A.fumigatus

<400> 15931						
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<210> 15932
 <211> 528
 <212> DNA
 <213> A.fumigatus

<400> 15932						
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agattgaatt	tcagcaatcc	ttaccgactg	tgctggcagt	cccaagtggg	accgtcagct	180
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attattctag	ttcccattgc	cttcaccagc	gaccatattg	agactctgta	cgagttggat	300
ctggaagtga	taaagggaag	aaactccccg	ggagtcaaga	gagccgagag	tttgaatggg	360
aacccccatt	tcattcaggc	attagcagac	attgcccagg	agcacctccg	taagggagag	420
aagtgtcac	tacagatgac	tctgcgctgt	caaggctgta	agagcgaacg	gtgcctggaa	480
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<210> 15933
 <211> 1491
 <212> DNA
 <213> A.fumigatus

<400> 15933						
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caggatccta	actttacgta	tctgccgggt	attattgggg	aagacaaccc	tcagtgccaa	180
gtgcctgagg	tgcaatctct	cgtggctcaa	ttccaactct	acctcaattt	gattgcagga	240
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gcagcgaggc	cagagcgatt	ttccatcaac	ctgctcctag	tgggagctct	actggacggc	420
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gccccagaaa	aacgtagcgt	ggcgtttgga	tatctccacg	gcgctctctt	cgttggattg	540
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gaatcgctgt	caaaggagca	acagcaagtt	gcgcgagaga	aacaccggag	aaggtttact	720
caaaaggaaa	ctgctggctg	gttttcttct	tcttcttggt	tacagcattt	gaacccaaag	780
aacctcataa	caccactctc	cattttgtgt	ccccctgttg	gacgccccag	ctctcttttt	840
ccgaaccgca	agggcgcaag	ccctgccttg	cgaagaaaca	tcatacttct	tgtgtccatc	900
gatacagtcg	tattcgctgt	tgccttgggg	agcgcccagc	ttgtgatcat	ttatgctgaa	960

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ttcatgtttg gttggggaaa tatcgaatcc agcatcttca tctcgatcgt cagcaactgtg 1020
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gccgaacagc gtgttatccc cgggtccaat agagtggagc ttgtgattat acagatatcc 1140
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ggtaaattca ctcaaacagt ctctgtttct ctggcagctg tgtttttttt ggcgatctgc 1440
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<210> 15934

<211> 474

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (8), (39)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15934

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acggctcntc acaagcctta cgctcgcgttc cggtagcgng accttctgac ggaagaaatg 60
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acacagtacc cccaatatc gtgctccacc acgggtagct cgctgaacga gttgtggaaa 180
tggaagaacca ggcttgaggg taagcgtgca aatggcaaca tggaccccg cgggtgccatc 240
cagtggagtg tcattgatcg atggccaacg caccctggcc tcgtggaggc tttcgcccgg 300
aacattgagg agcagctgat gacataacca gaggagaagc gaaacgggtg cgttctcttg 360
ttctcagccc acagtctgcc catgagtgtt gtcaacagag gtgagactca tcttcttacc 420
gaacaacaag atttgctcgc taacacattt cctaggcgac ccatatcctg ctga 474

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<210> 15935

<211> 1281

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (47)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15935

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ctcgtctctg gagagaatgc tgtaacagcc gcgcagtttc cccagggcgt cccattgccg 180
cctgtgaagc gccttcgggc cgaattcgag tgccccatat gtttcaaggt gaaaagggtc 240
cagaagccat ccgattggac caagcatgtc cacgaagacg tgcagccgtt tacttgcaact 300
tttccgcaact gcaacgagcc caagtcgttc aagcgaaagg cggactgggt taggcatgag 360
agtgaacgcc acagaaaact tgaatgggtg acttgaccg ttcatgattg ccatcacaca 420
tgctaccgca aggacaattt cgtacaacat ctgctccgag agcataagat gcccgagccc 480
aagatcaaga agacgaagac gaaaggagta gggcccgag ctgaaacaca ggaagaaagc 540
agtcgtgagc gagaagctga gcagctgtgg gagctcgtgg accagtgcc aatgatgatacc 600
tccaagggcc cgcgggagga accctgccgc ttctgcggta acgtctgcag cagctggaag 660
aagcttaccg ttcatctggc caagcacatg gagcagattg ccatgcctgt cctggcacta 720
gtgcaagaac gacatctgtt tccaaacata gatgctgatg ttgccccgaa agcagtcagt 780
tacctggct cgatcgcaca ggaagtaacc agcttttcac ctcaactgaa tggcatcaaa 840
gccgagccgg aggcgcctaat gaacttcgaa gccggtcaat ccgagccccc tactggattt 900

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ttgaatccga	cgtaccacc	gacctccaca	accctacatc	aagggtttct	atccgctgga	960
ccagacgtgt	acactgcata	cggatcgag	gcgggctttg	cggggcagca	attcgtgtct	1020
cttcacaga	actctgtcac	ctaccgcga	ctgctgaaca	ctgggtcgcg	accagaata	1080
acgacccaag	agctgagcgt	gttgagaaat	ccgtaccagc	tttgcagctc	acctacagat	1140
atgcgcgcga	cgtatgatcc	tcagggcaca	ctgcatatgt	cacccctcc	ggtagagaac	1200
ggccaggcct	atcacgacca	gatcacgcaa	gccacatcgt	attcatacga	cggctccgtg	1260
ggttattccc	gccaatTTta	a				1281

<210> 15936

<211> 207

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (63)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15936

ctggagtccc	tctcaacaca	tcggctttca	atctgcagcc	catgggaaag	ccctatcaga	60
tcnagcacta	cattgaccgg	cggcgctccc	accggacaat	acagcacccc	ctcagaaaat	120
gatagccagt	acaacgggtct	cgcgtccggt	gattcaggat	accgggagtc	gaaacctggg	180
ttaacccccg	cccccatact	ggttctt				207

<210> 15937

<211> 837

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (293)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15937

ccagtatcac	atagttatag	gattgaacga	atatcagtag	cacgattcat	caacatgcct	60
ggctctcactc	tgcattctct	tgctcttgct	ccttcaacca	cgcgcgagtc	cttttttcgc	120
cagctccgcc	aattctccgc	catcaagatc	attctcgct	ctcgtccaca	acacatcgtc	180
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caacccttcg	tgcaacagga	gtaccgtctt	gccgtcggcg	tcccccaaaa	gcttctatcc	360
aactacgatg	accgcgacag	atctctcaaa	cgagccgcct	cctccatccc	tctaaccggt	420
tctctggcaa	atgctcacca	gaagccttcc	tcaaagaatt	tggaactctc	cccagatctg	480
ctcgtttaca	tggacaccct	cacgcgtaca	cacgatggcc	ccgtcaccat	gctaaatctg	540
ctgcatttcc	accaccccaa	cggaaagaaa	agctactacc	aatacggaca	ggctttcatc	600
cccgtcgtcg	gtaagcgcgg	cgggaatgca	aagctcgtcg	ggaatgtgat	cagacccgct	660
tcgaccgccc	aggtcgactc	gcgtggaagc	ctcgatcgac	cagagacaga	ttggtggaac	720
gaaatctcgc	tggtgcatta	cccttccatc	cggcacttat	gcgatatgct	ggctggagag	780
gactatcaag	cgattaatga	gaagtatcgc	ttatctgtac	attgcgcctt	cctttga	837

<210> 15938

<211> 201

<212> DNA

<213> A.fumigatus

<400> 15938

gcgaacacga tatccgtgac tgcgagaaac gctctgtaca gactagtcgg cctgggtcact 60
 tcgacctca cattcggcgg ccgctggaca ccaagcgcga tcattgtgac caagactgcc 120
 ccaacgatac tggcaaacgc tgcagtcac actcagtgtc aactcgtcac tgctcatacg 180
 acagatctta caaatcactg a 201

<210> 15939

<211> 486

<212> DNA

<213> A.fumigatus

<400> 15939

ccaaggggcg tgatactgat cgtcggcatt gctatcctca ccgtttacac cggctacgta 60
 atggggcaat tcaagcaacg gtatccacat gttcatagca ttgcggatgg gggcgaggta 120
 ctctttggct gggtcggacg tgagatcctt ggggcggggc tgctgctctg cctgggtgtt 180
 gtgatgggag ggcacattct cacttccact gtcattgatga acacactgac cgaccatggc 240
 acatgcagtg ttgttttcgg ggtggtggga ctgctgattt cgcttatatt gagcttgccg 300
 cggacgttta agaggatgtc atggttgtca gtgatttgta agatctgtcg tatgagcagt 360
 gacgagttga cactgagtga tgactgcagc gtttgccagt atcggtgggg cagtcttggg 420
 cacaatgatc gcgcttggtg tccagcggcc gccgaatgtg agggtcgaag tgaccaggcc 480
 gactag 486

<210> 15940

<211> 234

<212> DNA

<213> A.fumigatus

<400> 15940

ccaacaacgg cagccgcca tccagccttc tttggcttca tttccgagat gaaaaccccc 60
 accgactggc cgaagacgct gtgttttgtt gaaatcatca acacgacctt gtacaccgtc 120
 actgggggtg ttatctaccg gtttgctggt caacatgttg ctccgccagc actgggctcg 180
 accagcccgt tgatggccaa ggttgcgat ggaactgcaa ttcccacggt atga 234

<210> 15941

<211> 204

<212> DNA

<213> A.fumigatus

<400> 15941

acgttcgcgc cgccgcctt attggctctt ataggcgtgc cccgcacac tctcgtgcc 60
 aatgaggaag cagattttgt ttcagatggc caatctggac ttccgaagat gagcagtagg 120
 ctgaccacat tttccctttt tttctcttac attcttttc gtttttggga aaccggtacg 180
 ggccggtgtc agaaagaggc ataa 204

<210> 15942

<211> 201

<212> DNA

<213> A.fumigatus

<400> 15942

gttgacctac tccgttcagc ttctggtgaa cagctcaaca acacagagga agcagccctt 60
 cttttctatc ttttccctgg tccgggggaa aagtggggaa ggatacatcc agaaaccgag 120
 caagtctgtt gtctcaagga tatgggtctc tccggcgaaa taaagattga tgaaatcaat 180
 ttaaaggggt tgaacggtta g 201

<210> 15943

<211> 1218

<212> DNA

<213> A.fumigatus

<400> 15943

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ctaatttttg	tgagtactcg	gtcgtgttcc	ggagccgcag	gtgtgctgac	acacactctt	120
gtccatgaaa	ctcggccttag	tgctggaata	gaggacaaac	cggcaaccga	actccgtgga	180
tcttatcagg	cattatcatt	tgcaaagaga	tgtggcagag	tggattacgc	ggggttggat	240
ggccctgcta	ggaagaagag	gaaaaggggt	aagaaaagct	caaatagtac	caaaataaccg	300
aacgagagct	cctcccaaaa	gcatagcgac	gccgcgtcac	ccggacaaac	cgaacaagct	360
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tctgggtcga	cctttgacgt	taatggcgcc	ggctgcaata	ctctgctccc	ttcaaggctg	660
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tgtgtagagt	tgaattatgc	gctgacacaa	tacaggcgctc	aaaaaaagga	tggtactata	780
acaacgaaaa	tcgaggatat	ccggggctac	gttgaagaga	ttactcagtt	gaaatacgca	840
gacgccatgc	atattgtgaa	gaaggacaac	gctctttttg	cgagcaaggc	tatgcaggct	900
cggtacaacg	aaacagcata	ctgggacatc	atcttgaagg	gtgccaagtt	cctcgatcct	960
gcaaagctgc	cgactgctat	gggcgcgctt	gatgatttca	cgaggggccga	gaagcacgcc	1020
atgagaacat	tcattggaaga	agccggatat	ggcacaagtt	acgcaaata	gcaacgggtgc	1080
cgcagacttt	ggaggaaact	atcccagatg	cgaaatgctg	gcgtcgacag	aatcccacta	1140
tatcgcacga	aggaatttga	cagcttctgt	cacgaatatc	cgaaagacac	cgagccctct	1200
ctgctggaga	tgattttaa					1218

<210> 15944

<211> 468

<212> DNA

<213> A.fumigatus

<400> 15944

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aacgaggtgg	tgaagatgcc	catcaacgaa	cccgccaagg	gcaagaagca	atcccagatc	120
gaagaatacg	tcgacttcta	caacggcgca	ggcgccaac	acattgctct	gctcaccgac	180
gacattatcc	gcgacattac	caacctcaag	ctcgcggtg	ttgagttcat	caaggttcca	240
gatacatatc	acgaagacat	aaagggtcgg	ctgaagaaag	ctggcctgac	tctccacgag	300
gactttgaga	caattcgacg	cctggacatc	ctcatcgact	ttgacgaggg	aggatatctg	360
ctgcagctgt	ttaccaaggt	atgtcacttt	ccgttcagca	ggcgcccgca	gacagtcacg	420
ctaatagaga	gaacagcact	tgatggatcg	ccccaccgtc	ttcattga		468

<210> 15945

<211> 732

<212> DNA

<213> A.fumigatus

<400> 15945

cagctcttat	atcgcggggt	aatctcttcc	ttgacaagaa	cagcttatca	tctcttctca	60
cttgacttca	atatggctcc	ctcggctatc	tctacgagcc	ctccaccaac	cgatcggggt	120
tcctctagtc	ttgccagcta	caaaggctat	gaccatgtcc	actggtacgt	aggcaacgca	180
aagcaagccg	cctcgtacta	cattaccgcg	atgggcttca	agcgtatcgc	ctaccgtggt	240
ctcgagacag	gatgccgcag	cgtctgctcc	cacgtcgtgc	gcaacggcga	catcactttc	300
atcctcactt	cgccgctccg	gtcactggat	caggtcgacc	gcttccctcc	tgaagagcag	360
gaactgtctca	aggagatcca	tgctcatctc	gagaaacacg	gtgacgggggt	caaggacggt	420
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cagacttatg	gcgagaccac	gcacacttta	gtggagaggg	gctcgtatca	cggcgccttc	600
ctgccaggat	atcgcatgga	aaccggggta	gaggaccga	tctctcagct	gctgcctggc	660
gtgcacttga	accggattga	ccactgcgtc	ggaaaccagg	actgggacga	aatggataag	720
gtttgcgaat	ag					732

<210> 15946

<211> 447

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (368), (390), (407), (417), (441)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15946

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gctctcttcg	acgcgaatc	atcccttcc	tcagccgtcg	caatcgaccc	atcactctcc	180
ccattcccag	aatacctcca	catctcagcg	agcgaccacg	aatcccttaa	agcccgcgag	240
ctgagcatca	ttcgcagcct	ccaatccgac	gatgtctcaa	tggacaccat	cacatccggc	300
atcagggacc	tgcagcgcct	gatcactgag	cacccgactt	acccatctgc	ctacgtcaac	360
agagccangc	cctccgccta	cacattgaan	aaaacgccaa	agcttcnacc	gaccanaag	420
agctatcttc	caccctggaa	nacctga				447

<210> 15947

<211> 258

<212> DNA

<213> A.fumigatus

<400> 15947

ctgttctccg	gaatggtttt	cctacgtctc	acgggtcaagg	tctacccccg	cgaacagact	60
cagtcctcgt	cgctcttttc	gatccgctca	ttcctgggtg	accgtgatcg	agatgcttcg	120
ggccagaact	ctggacaggc	agcggggaag	ccggcttcc	tctgctggt	cctggagaaa	180
cccgaagatg	tgacgatggg	tggattggca	agcatgatcc	gggagaagtg	gacgaagcta	240
ccgccgaacg	ctgagtga					258

<210> 15948

<211> 1611

<212> DNA

<213> A.fumigatus

<400> 15948

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ttgaccagct	tgccaaccag	tcagcagcgt	gatgcgctgg	ctggagtcca	ctcgtggaat	120
ggccccaggg	ttgtccgcaa	tatccctagt	atctccgggc	catcgccct	agagctagcc	180
aatgatactc	cacgcgagtt	aatgcgaagc	ccctccgaac	tggcgctacc	accggcgctg	240
cggcacagta	caattatccg	aaagggatgg	gacaacgctg	ttgatattct	cgtgaccatc	300
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caagtgaaca	acctgcagcc	tcagtcctcg	ctggaacccg	acctccagtt	agtgccgacc	840
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agtgaacgtt	ttctggggcca	tggtagccac	ggaaccgtcg	tgtaccgtgg	atccttcgat	960
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gttgagctgt	tgcaggagag	tgacgaccat	aacaacgtaa	ttcgctatct	ctgtcgcgag	1080
caagcggctg	gcttccttta	tattgctctg	gaactatgcc	ctgcgtctct	ccaggacttg	1140
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cggctgctca	tctctgactt	tgggtctatg	aagaagcttg	acgataacca	gagctcgttc	1380
cgagcaacta	cggcgcgatg	cgcaggtagc	tctggctggc	gagctccaga	attactgggt	1440
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ccagcagtag	tggatccgca	aaccaacaga	cgagccactc	gtgctatcga	catcttctcc	1560
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<210> 15949

<211> 1116

<212> DNA

<213> A.fumigatus

<400> 15949

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tctctgcagg	attgggaggt	tgaggacttt	gtcctactgg	cgaccgtcga	cggttccatt	180
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ccctactcag	ggacagaccc	cgccgttacc	tatacggccc	ggaaggagac	aactttatat	480
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tcgtctcctg	tgggttcgtgt	tttcgatgtc	gcccggccca	tcaacgtcga	atcacccgaa	900
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tcgttggtatg	acagagacgc	gagagtgttt	gttgattgca	cttcagcggg	cggatggttt	1020
gcaatgtccg	aagaaacttt	accctctcgt	gacaggacgc	gccaaaatgg	cccagtgttt	1080
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<210> 15950

<211> 552

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (51)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15950

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catccctttt	tctggaaccc	gtccgaccgt	ctcagcttcc	tctgcgacgt	atcggatcat	180
tttgagtttg	agccacggga	ccctccttcg	gacgctcttt	tgtgtctcga	atccgtggct	240

tgccgtgtga	tgggccctga	gatggatttc	ctacgtctgc	tgccaaagga	tttcaaggac	300
aacctcggca	agcagcgcaa	gtacacgggc	tcgaagatgt	tggatctcct	gcgggcgcta	360
cgtaacaagc	gcaatcatta	caacgacatg	ccggcacatc	tcaaggcaca	tattgggggc	420
ttgccagagg	gatacctgaa	tttttggaac	gttcggtttc	ctagcctttt	gatgagctgc	480
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ccggttgagt	ag					552

<210> 15951

<211> 270

<212> DNA

<213> A.fumigatus

<400> 15951

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aaccaacatg	cgtttgaccg	caacatcccc	accatcgaag	gatccacggg	acacgacggg	180
tccgtggcta	ccatggccca	gaacaacgtc	actgaatacc	ctgagacgac	caatttgaag	240
aacaccgtcc	atttcaataa	tatcgtttga				270

<210> 15952

<211> 1797

<212> DNA

<213> A.fumigatus

<400> 15952

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cccattaccc	tggagcaa	ggctcgcgac	cgcgggtgtc	ttttttccga	taagggtgaca	180
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tcttcaagat	atgatgccgg	acgaccaaca	gtggcggaacc	agtgtgtggg	ctacatattc	300
ggtgtcgaga	taaatactgc	aagtttcgca	atgtatacat	tctctgtgag	tgtctttatt	360
caagccatct	taatcatatc	gatgtcagga	gccgcagacc	atggaagtca	tcgaaagttg	420
cttctaattg	ctttcgctgt	gattggctcg	gtctccacaa	tgtcttttct	gggtgtagtg	480
cctaagatct	atatggtggg	ggcagtgatt	gcggttattg	caaacacatg	ctttgggtgcc	540
tcctttgtgc	ttttgaattc	attcctacct	ctggttggtac	gccatcatcc	ttctgtgctt	600
cggagtgtc	gtgaaccgcg	ccttgctttg	gatgattctc	gcgccaaga	aggctattct	660
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cctgcgcgcg	tctggctgcg	atctcgccca	ggccccccat	tggctaccac	tcacacgggg	1020
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gttgaacag	ggaagagaga	tgcgcttgct	cttgctgcag	aattacagcc	atcaggcgct	1740
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<210> 15953
 <211> 435
 <212> DNA
 <213> A.fumigatus

<400> 15953
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 gctcgtgtcg cccgtcttgg cctgcgtgcc acccagcagt tctccgtccc tcgcactgcc 180
 gctctcaacg gtttgaggac ttatgctacc cgggtcaga acgtcaagcc ccccggtggct 240
 ctcttcggcg ttgatggaac ctatgccact gctctgggtat ggctcgcat tctccctgga 300
 ttatccttca atgctctgcg gatttggtca cagtctgctg ttttttcccg atccggtgac 360
 cggccccc tctctccgcc tgcaaatcgc gtcaaaatgc atatcgttca tccgggaatt 420
 cctaaagggc attga 435

<210> 15954
 <211> 408
 <212> DNA
 <213> A.fumigatus

<400> 15954
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 gccagcgaca agcagcagat catccaggaa ctccagaaga tcgccggtaa cgacaagggc 180
 gacatcatca agaatttcct gcagaccctg gctgagaaca accgtctcgg cctccttgag 240
 ggcattctgtc agaagtctga gacctgatg ggtgctcacc gtggtgagat ggaggttacc 300
 atcaccagtg cccaggtgcg ttttgactat tgcgttatca tgtcggactt gttgcttaca 360
 ctctcttccc ttccaggaac tcgacaacaa gaccatcaac cgccttga 408

<210> 15955
 <211> 261
 <212> DNA
 <213> A.fumigatus

<400> 15955
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 attgcgttat catgtcggac ttgttgctta cactcgtctt ccttcaggga actcgacaac 120
 aagaccatca accgccttga gaaggcgtt tccaagcagc agctcagcca gggcaagaag 180
 ctcaagatcg ttactaaggt acgcacattg ctctattcca tcattcatga ccacctagct 240
 aacgtctgtg taacagggtta a 261

<210> 15956
 <211> 1095
 <212> DNA
 <213> A.fumigatus

<400> 15956
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 tacgttaagg atgcctttca atcgccatat cgtcaaagaa gagaaaaatg cgattacccc 180
 tgccacaagg gaacaaagtt cgtgtcttgg tatgccttgg atgagggaga cggcatccct 240
 ccaggcgagt gcgcagtcgt ccgcttcagg ttctcccga agaacgagca attcatcgac 300
 gaggaagtgc tggatgatac aatcgagcag cgaagggcag aagctgacga tttttactac 360
 cgaatcagcc ctcttcogat gagtgacgat ctgcgtaatg tccaaagaca ggcattcgcg 420
 ggcattgatgt ggacgaaaca attctaccac ttcatgtggg accaatgggc gaatggagat 480
 cccggaatga taccaccacc cccaggaagg aagcatgtgc gcaatcagca atggaagcat 540

ctatacattg	atgacattct	gtctatgccg	gactcttggg	aatatccctt	tttcgcagct	600
tgggatacgg	ctttccactg	catcccgcgtg	gcgatgatcg	atccggattt	cgcgagaaga	660
cagctggacc	tgcttactcg	tgaatgggat	atgcacccga	atggccagct	cgcggttat	720
gaatggaaact	ttggggatgt	taaccctcct	gtccatgcat	gggccgtctt	cagaacgttt	780
aagattgaac	ggaagatgta	cgcccgccag	gaccttgact	tcctggagcg	cgtcttccag	840
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ccgactggag	gtgtcttggg	acaagcggac	agtactgggt	ggatggcctt	ctattgtcta	1020
tgtatgctca	atatagctct	tgaattggct	aagcatcgcc	gaacttacga	agacagttag	1080
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<210> 15957

<211> 807

<212> DNA

<213> A.fumigatus

<400> 15957

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cccagagtga	ttaaccaatt	cccttcattc	aagaagagaa	tggagtgggt	cattgaaaac	180
aggcaggatg	tcgcagaaag	gaacattgca	agtatgaaac	ggcgcgaggaa	ggacgaccgc	240
ctcctcctgt	cgctgggtgag	taaggatcgt	ctagagaaga	ttctcaagag	gatgttggac	300
gaaaccgagt	tcttggtcaa	gcacgggtgtc	cggctcgatgt	ccaagtacca	tgagaaacac	360
ccctattcca	tggacgtcaa	tggccagaca	ttcagagtcg	gctatgtgcc	aggtgattcc	420
gacagtgggt	tggtcggggg	aaacagcaac	tggcgcgagc	ccgtctggct	atgtgtcaac	480
ttcttacttg	ttgagtcctt	tctccgggtc	tacatgttct	acggagattc	tttccagggt	540
gagtgtccca	caggctccgg	agactacatg	catttaggcc	acgttgccga	ggagatccag	600
catcgtctgc	agcactctct	cgctcgcaac	gaccaaggcc	gccgagctgt	caacgatggc	660
tcggatctcc	tcgattacga	tgagcactgg	aaggactaca	tgtgggtttca	cgagttcttc	720
gatggtgaca	ccggacgcgg	tctaggagcg	tctcaccaat	gtggatggac	tggcctcatc	780
gccaaggtca	tccacgatac	cggtgtaa				807

<210> 15958

<211> 486

<212> DNA

<213> A.fumigatus

<400> 15958

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atcaactgcc	gcctcccaca	taccccacgc	tcccccttcg	ctgccgcac	gcactacttc	180
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tcctcgacca	ctcgctccat	cggcaaccgc	agcgatttcg	aatcaacctt	cgccgggtgcc	300
gagactcccc	ccgcagatat	cctgtcagaa	gacgagcagg	accacagagt	cccccgcaac	360
ggagtagatg	agcatgtctc	caattacgtc	gccagccagc	tgcagcgctg	gagaagctcc	420
gcatccatcg	gggcttacga	ggatgagttt	gaggcgcagg	ctgaccgtac	gccgaacgggt	480
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<210> 15959

<211> 1416

<212> DNA

<213> A.fumigatus

<400> 15959

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tcatacgacg	aagtctacgc	actcctgtct	ctcattgtcg	agcgctacta	tctccgcacc	180
tttggcgggt	ctttcaccga	gaacttctac	tccctcaaac	gagaacgagt	cttacggacc	240
aagaatggcg	agattccccg	ggcgagctc	ggcgcgccag	gtccggtgcg	agagtctctt	300
aagctgcgtt	cctcggaagt	gtggaagaac	ctttttgtca	tggttggaat	cccctatctg	360
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gccatcgccg	aagtgtctaga	cgccaaaccc	agtgccagcg	ctgctggcgc	gcgctcccgc	720
cccggttcag	gactcatggg	tatattaagt	cgcgagaatc	tctaccacac	actcctcgcc	780
tcgatgcgat	acttcattcc	ggcgctcgatt	ttcgcgctga	agttcctcga	atggtggcac	840
gcaagcgact	tctcgcgcca	gctggctcgc	aaagcgacgg	aggtgctcga	tcttctcgcc	900
cccgctcgta	acggcatggt	tcttccctcg	gaaagaatca	agaaagtaga	ttcgcggaag	960
ggcaaggaag	ccgcttcgaa	ggacctcaag	cccgcgttca	aaagcccccg	ccgcgggatg	1020
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cagcggcagc	tggattttat	gaatggcgag	agcgcgggtg	ctgcctggga	ggatgagaat	1260
gaagataatg	aggatggtgc	gaaaagcaga	gagggaaggct	ctgcagagaa	gaaagtcagt	1320
cgggagggca	agtgggagag	tggcaaaggg	agatgtccag	tcacaggacg	caggggtgctg	1380
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<210> 15960

<211> 240

<212> DNA

<213> A.fumigatus

<400> 15960

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gattcagttt	cacagaactg	ctcgcgagc	agcagctctc	agatctcttg	cctccttcac	180
tacgatattc	cctcgcgatc	gctacacatc	gtcatcctcg	ctatctatta	cgaattttta	240

<210> 15961

<211> 276

<212> DNA

<213> A.fumigatus

<400> 15961

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ggagcgggat	tcatggaatg	cattcaacct	tgttcggcaa	tggagttttc	ctgggtctcg	120
tgcaagaatc	attccaagtt	caacaatatc	aaagactaca	cgcgaccctg	gtttgcctgg	180
gccaactcgg	tctttgcccc	gactatattg	aagattgcag	cggagagacc	acatctgata	240
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<210> 15962

<211> 414

<212> DNA

<213> A.fumigatus

<400> 15962

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cggaaatacc	actggacgat	caagacaatc	acgatccgga	caacccaatg	caacgacgcg	120
acttcacctc	ggcaaaaaacg	aagttccgca	cctacaatct	ctcagcctcg	acattcggtg	180
acctcgtcaa	cgacccccac	ccatcatcac	caggaggcag	ccacatcccc	cacgatcgcc	240

tccgccttcg	gacagtctcc	cggaacgcga	aaagccccc	cgacgaggca	agcaacaccc	300
tccacaaaacc	agaattcacc	gacgacaatg	gcaaccccat	ggaccacggc	gaggagcggt	360
tcacctctcg	cggaatccac	atgtggccgc	ccgagaacgc	ccccgcagag	ctga	414

<210> 15963

<211> 549

<212> DNA

<213> A.fumigatus

<400> 15963

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gacacaaaaa	ccccaaata	ctgctgcgga	tccgtgggtg	acaatcaatg	caaagacggt	120
gatcccttta	caatcgaaa	cggggcggtg	ataccagagg	tagcagctct	agctgggtac	180
gtgaaagctt	cagcaattac	cgataccacc	tgttcgaatt	ctttgtcaat	caccacatcg	240
tcaaatctctg	cgtcaactgc	cattaccgcc	tgtccaacat	caacagggga	taatacatca	300
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ctggcatcca	ttgtctgggc	actgtgggag	cgtcggcgca	ggctactggt	caatatcagc	420
atcaatatct	ggcgacggc	atatatcaac	cacatcctgc	ggagctcgcg	actggacaaa	480
cagggtcggc	atcggagttg	gacagcgacg	ggggtgcaa	atgaactaga	tattgggtca	540
gtgaggtga						549

<210> 15964

<211> 183

<212> DNA

<213> A.fumigatus

<400> 15964

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ccagcccgca	tattcgccaa	cggtcctttg	cgcgctaagg	aggctactgg	ttacatttcc	120
tcgaagtatc	ctgttattgt	aagtgactgt	cgcattgaca	tggaaacgaa	ctggtcta	180
tga						183

<210> 15965

<211> 210

<212> DNA

<213> A.fumigatus

<400> 15965

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cacactgttg	ccgctcaggg	tggtatcaac	gctgctctgg	gaaagtatgt	caatgaaatg	180
atggagttga	atattgggcg	attgtgctaa				210

<210> 15966

<211> 261

<212> DNA

<213> A.fumigatus

<400> 15966

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gacgagaact	ggatgaagca	tactctcacc	tggcagaaga	agcctcacgg	tgagatcaac	180
cttggtacc	gtgctgtcga	gcacaggacc	ctcgacgaga	acgagtgcaa	gagcgtgcct	240
cccttcaagc	gtgtctacta	g				261

<210> 15967

<211> 297
 <212> DNA
 <213> A.fumigatus

<400> 15967
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 tgtccggatc aagagagcca gtctacattg tcgacgtcga ctacttcac cacctcgaaa 180
 cctgcctcaa ccacaacggc gatctcgcca acgacagcca tcaactactgc gccttctaca 240
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<210> 15968
 <211> 1485
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (930)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15968
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 gccatccact acatgaccag agaggctcct gctagtgttc gtgagctcga gggctacgga 180
 tgcccttctt cccgtaccga ggatggcctt atctaccagc gtgcgttcgg tggtcagtcc 240
 aaggaattcg gcaagggtgg acaggcctac cgttgctgcg ccgtcgtgga tcgtaccggc 300
 cacgctcttc tgcacactct ctacggacag tctttgcgcc acaacactaa ctacttcac 360
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<210> 15969
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 15969
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cactactgcg ccttctacaa gctcgcaggg agacatcccc ggccctcattc cgactcgaac 180
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<210> 15970

<211> 1473

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (574)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15970

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gatcatgctg	cggtccttgg	taccgacttg	gtcgaacatc	ttgtcgatgg	cggtgatctt	180
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cctctgcatg	gcgttacgga	tctcgtgagt	cgacttgggg	ccatcggcgt	tgcggacgaa	300
gtcaggttcc	ttgatggact	gggcaccagc	gtcagggtc	agctcacggt	gagccttgcc	360
aggggtggcg	atgtcacgga	cacggtgaga	aacggcacgg	ccgaagacga	cgaggtcgag	420
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cgccagatcc	ttggcggtgg	gggcgtaacg	ctccatgaaa	cgctcaccct	cggagttgag	840
cagataacca	ccctcaccac	gagcaccctc	ggtgatcagg	caaccagcac	cataaatacc	900
agttgggtgg	aactgaacga	actcaagatc	ttggttgggc	aaaccagcac	gggcgaccat	960
ggccataacc	tcaccagtgc	aagtgtgggc	agatgtgcag	ctgaagtagg	cacgtccgta	1020
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<210> 15971

<211> 894

<212> DNA

<213> A.fumigatus

<400> 15971

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gaccacttcc	ttttcgggaat	gaatggtact	gccgcagatg	aacagaccct	gaaggagggtc	180
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agtgggtgtg	gagtccatcg	aagcaaacacc	ttgccatcta	aaatgtcacc	aatatcttcc	420
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gtccgaaact	cccggtcatc	cagccgcgcc	ccgactccgc	gggaggaaac	tagccaaacg	540
acgccggcgc	ctccgtcagg	atccaacgcc	gactctggca	ctgcatacat	tcactcgtcc	600

acccatggcc	caatgcaaaa	agtcgccgaa	gatcgtgcgc	ccgtcgccga	gaagccggtc	660
attcaagacc	ctctaccgac	cctgggtgtcc	tccccctcgc	cgccggtcga	aacgccaacc	720
aaagagcgaa	agttgtccag	tttcttcacc	aagtccccctc	cgcagaacgg	tgagctgaaa	780
gaaaccccg	cagccaaatc	gcctgaaaga	agaagcggat	ttcaggaagt	gccagcgaaa	840
gtgctcacag	ttcttccttg	tactacagg	cagccccagg	tgaatctgtt	gtga	894

<210> 15972

<211> 624

<212> DNA

<213> A.fumigatus

<400> 15972

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ctggggcccaa	tcagtcctgt	cctcatgact	tcagcttcac	cctccccct	ccgcgcagcc	120
aatggcgcat	cctccggcac	agttccccct	ccagccatga	aaccctcgc	tccgcccgtg	180
aatatcctcc	caacgcaact	cgctcgcaca	tactcgttcg	tgcatcccgc	cgcgctgctg	240
gccatcttgg	ctacacggtt	ccaggcgctg	gtcgttgacc	ccgtggcgga	aatgctgaat	300
acactcccc	tcttggcact	cctgcagggtg	acatacgtga	tggtgtgtct	gccgcccgcg	360
gggtcgggtg	tgccctcgcc	gccggcctct	ccggtaaagcg	acggcgacga	gaaggaaaaag	420
gagaaggaga	aagagaaaaga	gaaagagaaa	gagaaagaga	aagagaaaaga	gaaagagaaa	480
gagaaaagaga	agaggaagct	cccgtctcga	gcggggaagc	tcccccgga	gaagaaccag	540
acgcatgcgg	ccggtttgtc	cgcggaagttg	acggtacgca	cccctttgtc	ttcctcattg	600
tcatcacagt	tcattcaatg	ctga				624

<210> 15973

<211> 309

<212> DNA

<213> A.fumigatus

<400> 15973

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acggtcctct	gcgcgcgcga	catggcgctc	ctggcttcga	cggcgctgat	ctacgtgcat	180
ggtgttgacg	gcgctgtgtg	gcgcgaggtg	tgggcgtttg	cgcgccccgc	tgatgccgtc	240
tggggcggtg	cgctgggaac	ggctctcggg	gcgtggtttg	gggctgtgcc	gattccattg	300
gattggtga						309

<210> 15974

<211> 1008

<212> DNA

<213> A.fumigatus

<400> 15974

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gcagatggtg	aagccggagg	ggcaacccca	aggcctccta	acacgacaaa	ttccggagat	180
gatgccacca	tcattgtcgc	tgaggagaag	ccagcggttc	agaatgactt	gcacaatgca	240
gacaattcgc	tgagaccgca	tggttcgcgc	acccccctca	tgaactctcg	ctcctcattc	300
acagatcatt	cggatctcga	tcaaacagac	gagaaagcgg	accgtcggga	gcaccgacgg	360
agttggagg	tccatcgatc	gtctaaacgc	agcaacgaac	aaatcgggct	cggccttgca	420
tcgccacccc	tttcgcac	aaatcccagt	gctgagcgca	gcaccacctc	agttgctagt	480
tggaaccaat	ttacgaaaag	ctcgccatcg	gatttgacgc	agttcgccag	cgaatcatcc	540
cagcaacctt	tgagcctgga	cgctgagata	agcaatagcg	cagctccaaa	ggaaagcata	600
gagcccagaga	agcggagcct	ctttggaaaa	ttcaaagcca	aggttgcaca	ggttcgggat	660
ggcgtgagag	acccggaacg	agaccgtacc	aggagcccg	cgcaaccgga	ttctgagaga	720
cctcattcca	accataccat	gtccccctg	ggcaaggaca	gaatcagcag	tggaacctgcg	780

ccaattgagg	tgccaaagga	gagcagagaa	gaacaaacgc	gtctctcagt	atccccaatc	840
atgtccagct	ccggcctgcc	ccggcgatc	ccggaggaac	ctcgcactcc	ggagagtcct	900
atcatgtcgc	gtaccgatcc	ggacttggat	aaggaagcat	cagccgctgt	ccttcagat	960
cctagcaacc	catcgcacac	tgaagctctc	ccttgccgcg	cagcctga		1008

<210> 15975

<211> 540

<212> DNA

<213> A.fumigatus

<400> 15975

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gatggtgtgt	ctgccgcccg	cggggtcggg	gctgcctcgc	ccgccggcct	ctccggttaag	120
cgacggcgac	gagaaggaaa	aggagaagga	gaaagagaaa	gagaaagaga	aagagaaaga	180
gaaagagaaa	gagaaagaga	aagagaaaga	gaagaggaag	ctcccgcttc	gagcggggaa	240
gctcccccg	aagaagaacc	agacgcctgc	ggccggtttg	tccgcgaagt	tgacggtacg	300
cacccctttg	tcttcctcat	tgtcatcaca	gttcattcaa	tgctgatgct	aacgtggttg	360
tggtggacag	cctgccctcc	tctccctgat	cctcactttc	ctcctcgcca	ccccgtcct	420
ctccctcctc	ctcggtctct	tccgcgcgcc	cctgacaact	cacaatgccg	agacggtcct	480
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<210> 15976

<211> 498

<212> DNA

<213> A.fumigatus

<400> 15976

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tttctctttc	tcttctctct	tctctttctc	tttctctttc	tcttctctct	tctcttttct	180
cttctcgtcg	ccgtcgctta	ccggagaggc	cgggcgcgag	ggcagcaccg	accccgcggg	240
cggcagacac	accatcacgt	atgtcacctg	caggagtgc	aagaagggga	gtgtattcag	300
catttccgcc	acggggtcag	cgaccagcgc	ctggaaccgt	gtagccaaga	tgccagcag	360
cgcgggcgga	tgacgaacg	agtatgtgcg	agcgagttgc	gttgggagga	tattcacggg	420
cggagcggag	ggtttcatgg	ctggaggggg	aactgtgccg	gaggatgcgc	cattggctgc	480
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<210> 15977

<211> 600

<212> DNA

<213> A.fumigatus

<400> 15977

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ccggccgcgt	gcgtctggtt	cttcttcccg	gggagcttcc	ccgctcgaag	cgggagcttc	120
ctcttctctt	tctctttctc	tttctctttc	tcttctctct	tctctttctc	tttctctttc	180
tcttctctct	tctcttttct	cttctcgtcg	ccgtcgctta	ccggagaggc	cgggcgcgag	240
ggcagcaccg	accccgcggg	cggcagacac	accatcacgt	atgtcacctg	caggagtgc	300
aagaagggga	gtgtattcag	catttccgcc	acggggtcag	cgaccagcgc	ctggaaccgt	360
gtagccaaga	tgccagcag	cgcgggcgga	tgacgaacg	agtatgtgcg	agcgagttgc	420
gttgggagga	tattcacggg	cggagcggag	ggtttcatgg	ctggaggggg	aactgtgccg	480
gaggatgcgc	cattggctgc	cgggaggggg	gaggggtgaag	ctgaagtcat	gaggacagga	540
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<210> 15978

<211> 321

<212> DNA
 <213> A.fumigatus

<400> 15978
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 ccaatggaat cggcacagcc ccaaaccacg ccccgagagc cgttcccagc gcaccgcccc 120
 agacggcatc agccggggcg gcaaacgccc atacctcgcg ccacacagcg ccgtcaacac 180
 catgcacgta gatcagcgcc gtcgaagcca ggagcgccat gtgcgcggcg cagaggacgg 240
 tctcggcatt gtgagttgtc agggggggcg cgaagagaac gaggaggagg gagaggacgg 300
 gggtcgcgag gaggaaagtg a 321

<210> 15979
 <211> 2025
 <212> DNA
 <213> A.fumigatus

<400> 15979
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 gaggagattc ttaatcatgt acgtagtggc cagattgagt cggttcgctt gcttccagat 180
 aagaactgtg ccttttatctc ctctctggac agcaactcgg cgaccactt ccattcggat 240
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 tcccaggttc caacctcggc tgcgctggcg gttcagcaat ccggtgcctc gcgcaatgta 360
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<210> 15980
 <211> 285
 <212> DNA
 <213> A.fumigatus

<400> 15980

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gcgtctgacg	acgaggaatt	cgactctgcg	gattcagcaa	atgaggggcg	gcgcgcaggg	180
cgggttggag	ttggatttgg	atttgggctc	gactcgcacg	tggattctga	cgaggacagc	240
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<210> 15981

<211> 384

<212> DNA

<213> A.fumigatus

<400> 15981

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<210> 15982

<211> 1383

<212> DNA

<213> A.fumigatus

<400> 15982

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ggaattgaca	ccactcgcca	ggatattgga	gtcatcgta	tcacacaaga	ggacgaagag	1260
tactgggaac	attttgcaga	ggatgacgag	gacgaagagt	gggatagcga	ggacgcagat	1320
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<210> 15983

<211> 1065

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (599), (625), (646)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 15983

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agtggtgcag	agatcacatt	tccgagtttc	ttcgtagcaa	taagctgctc	caggatggct	180
ggaccgaacg	acaaccatcg	attctcggtc	ctaatacatca	acccaaacac	atcaacccac	240
atgacgaacg	cactcaaacc	catcctagag	agcttggatt	atgcagatat	ctacttcaat	300
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tgtatcaggg	catatgggtga	acgacaaggc	cgacgagtga	ggatagtgga	cggcgtagtc	1020
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<210> 15984

<211> 240

<212> DNA

<213> *A.fumigatus*

<400> 15984

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tacaatcccg	agaacttctt	catcggtcag	caaggcattg	gcgctggaaa	caattggggg	180
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<210> 15985

<211> 240

<212> DNA

<213> *A.fumigatus*

<400> 15985

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ccagataccc	agtcggcgga	cgctgtggtc	aatccgtaca	acagtctgct	agccatgagg	180
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<210> 15986

<211> 369

<212> DNA

<213> *A.fumigatus*

<400> 15986

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gtgtgcgtcc	cagcgtgggg	aaattggacg	agagattttg	cttgggccct	gtggatgggt	360
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<210> 15987

<211> 636

<212> DNA

<213> A.fumigatus

<400> 15987

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ttgatgacct	ttgggccaga	tgagtccgaa	ggtgctcgca	tcacgtccct	cgacgacttt	180
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cacgcgcggg	atcgatcagt	gccttttgct	gagactctcg	aagccgtcaa	tgagctccac	480
aaggagggaa	agttcgtgca	gttgggttta	agcaattata	ctgcctttga	agttgctggag	540
atagttatac	tctgcaacga	gagaggttgg	gttcgaccca	caatctacca	ggcaatgtac	600
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<210> 15988

<211> 573

<212> DNA

<213> A.fumigatus

<400> 15988

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aatccgctag	ctgggtggct	gttctccggc	aaatacaaga	ccaaagacat	tcctgcggaa	180
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cgcgatgggt	tcattattgg	cgtagcagc	ccgcgcgagt	tggaaaacaa	tctcaaggat	420
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gcgaagccga	ctgctccaaa	ctactggcat	ctcgatttaa	aatacaccta	tgataactcaa	540
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<210> 15989

<211> 3624

<212> DNA

<213> A.fumigatus

<400> 15989

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tttcaattca	agagacgaat	tggctggaag	cctactggag	atgaagaatc	agcgagggtg	180
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<210> 15990

<211> 228

<212> DNA

<213> A.fumigatus

<400> 15990

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ctatgcttac gggtcgcta tggttacgca ctcatgtctc tctccatcgc attcgtctgg	180
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<210> 15991

<211> 330

<212> DNA

<213> A.fumigatus

<400> 15991

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ggcgttggtg gcagaggagt tgcgaatccg ggcaaacata ttgcgggctt caagaagggc	240
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<210> 15992

<211> 510

<212> DNA

<213> A.fumigatus

<400> 15992

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cccctgcagc ggggtgcggt tgcagatgag gtggctcgcg ttggctctgtt cctggggagt	420
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<210> 15993

<211> 1035

<212> DNA

<213> A.fumigatus

<400> 15993

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<210> 15994

<211> 1116

<212> DNA

<213> A.fumigatus

<400> 15994

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<210> 15995

<211> 1257

<212> DNA

<213> A.fumigatus

<400> 15995

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gagctttcttt	acaaccacta	cggagtgtgg	aaggggctga	acgtcaagta	caccaagcaa	1140
tatcgtgacc	tggtcgtgga	agacggcgct	ggtgcggaag	gaggcggagg	aaactatgga	1200
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<210> 15996

<211> 414

<212> DNA

<213> A.fumigatus

<400> 15996

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gagagtccct	ggtgggcccc	tcaagtgacc	atctccgagt	ctgagatact	ctacaaccgc	180
ttactgcagg	ccgtgggggtg	ctcgacgctc	gcgtgcttgc	gcgcgggtga	tgctctgca	240
atccaaaaag	ccaacttgaa	cgcaccagac	caaggcttaa	ttagctatcc	ggccggactg	300
ggaaagtctt	ggcccgtgat	agacggggat	cttgcttcgag	atcggctcta	cgcttccttt	360
gagaagggaa	agttcatacg	ggtgccgttg	atggtggcga	gtgataacag	atga	414

<210> 15997

<211> 429

<212> DNA

<213> A.fumigatus

<400> 15997

acatatcatg	taccccagat	aagctccaga	gctcaccctc	tacagtccgg	ccccatttgt	60
gttggaaacg	gccagagcac	cacatcgacg	agagcggagg	attgtctctt	tatcaacgtg	120
tttacgccgg	ccgatgccac	cgaacactcg	aagctgcccc	tctgggtgtt	tatccagggc	180
ggtgcctatg	cgactaaact	gaatgcaaac	tacaacggga	ccgaggtcgt	ccgggaatct	240
ggaaacaata	tcgtctttgt	caacttcaat	taccgcgtgg	gagcgccttg	attcctagcg	300
ggcgcggaag	ttcaacgaca	tggggattta	aacgttggtt	tgctcgatca	gagagaggca	360
ttaaagtggg	tgaaaaggca	tattcgtcag	gtaaggcata	ccgtcgattg	tatggctttg	420
gcttttctaa						429

<210> 15998

<211> 627

<212> DNA

<213> A.fumigatus

<400> 15998

tggtggcgag	tgataacaga	tgaagggtcc	tcgtttgcat	ataatgctac	cagtcggggc	60
gagggtctctg	tcttcttgcg	gagcttttat	cctcgccctaa	actccgagct	attgcagacg	120
atcaacgatg	catacccca	gatggaccct	gttcgcgaac	atgcagcata	ctttccctca	180
gtctcggccg	cctttggcga	tgcgacaatc	gtatgtccag	ggatccatat	caccaacaac	240
atggccagat	ttttcgaaca	cgggtctgac	aaggtgtgga	actaccgcta	taatgtccag	300
gatccgcgcg	ggattgctgc	cgggcttgg	gtcacgcaca	ccttcgacct	ccaggccatc	360
ttcgggtctaa	attatggcag	tagtgtcagc	agtagcatga	gggatataac	gccaatcatt	420
ccagttgtga	tgcaactacta	tatcagcttc	atacgaacac	tgaacccgaa	tctgctcaag	480
gctgatagcg	ctccattctg	gaagccatgg	ggggatggag	aaagattgaa	agtccaaaca	540
aatgcaaccg	ccatggagac	agtatctgcc	gtccaatggg	atcgggtgag	tctatggaag	600
cgattggcgc	ccgtgttggg	gggttaa				627

<210> 15999

<211> 192

<212> DNA

<213> A.fumigatus

<400> 15999
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 tcagccatgg actcattgat gctctggaag tctactctgc acggcatcga gtctgagtca 180
 tcagccatct ga 192

<210> 16000
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 16000
 cgttggcagt tggcactgtg caggactgtg tctgaggacc agctctacga ggccactgaa 60
 aaagcaattg tagatgaaaa acacacacta gaaaattatc gactgattct gaacaacatg 120
 gaaatgggtg atcctccagg agcccgtcac gtctctcaac aatccccaac tcgaatccca 180
 ccagctcgac aatga 195

<210> 16001
 <211> 579
 <212> DNA
 <213> A.fumigatus

<400> 16001
 atccgatttt gttgtacacc attgtccaag gcgatgaata gcttgtcgtg ggccgtcttc 60
 ttcatactcc ttatacccct tcttgtcacc agactacgaa aagcgctggc ctcataatttt 120
 cagaaaccag cccagcatgc aggtctgact gatgtcaagc gcatggcgcc ataccagacc 180
 caacccatca gaggaaggga gcgataccgg gtcattgatg acatccggaa gctggacgtg 240
 gagaactggc tcacagtcga caagaactac atggacgagc atcttgtgcg gactcgactg 300
 ctgcaggagg aaaggggaaca ggttctccaa tgtctgccag agtcgtacga tgcttgtctc 360
 gaagcgctgg aggaagtggg tgagtttctt tgccagcgat ttccgcacat atttgagcgg 420
 aagcagtcgg ggaacgagtc gaccatccac aatcgaatga cgggggaaac tttcgtcttc 480
 gggggggaga acaaacaggt ggatcctctg gaaatcgccg tccggctcac catggagtct 540
 ttaccacaag ggcccaagca tcggcgaaaa ggaaaggga 579

<210> 16002
 <211> 1461
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1435)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16002
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 agcgcaagca caagcacaac cgatcgagg aagagcctcc tccctcagcg cagtatcccc 180
 agtggggatc gagatcgaga tcgagatggg gctgccccgg tgcgccagca gcagcaattg 240
 gagacacggg tacagcgggg aagtcggatc ttgacgaaga cgccgggagc acagaagaag 300
 caggaagagg gcgtttcggt gtccagcaca gcagtgccag ccacagctac gctggcgaat 360
 actcgacgac aaagtctgat acgacctagc ccgttgaaaa cggggacagc tacagctaca 420
 gctacaggcg caggcacaag gacgggaacg aatccgggcg ggagggtctg tacaacgccg 480
 aagagcgcga cgcttcagcgt gcaaggattg tcgacctttc cgatgaaaag ggatgggggt 540
 gcgtcaatgt ccccgaaagag aacggagatg ccgccgccgg cgccggccgac tcggtcggcg 600

tcgatgagac	agcctttgaa	agctggtact	ggtactggta	ctggtactgg	tgctggtgcg	660
ggtgcggggt	cggggacccc	ggcgactggg	gtaggcatg	tgccggcaccg	gagccagatt	720
gtggcgccgt	cgtcgagcca	gggtcaggtt	tccaggagga	gcgactcgga	atcttctggg	780
tcgacgccta	tgacgacccc	cgggttggcg	gctgggacga	gaccgagcgg	gcagtttaca	840
acgtatcagc	agcagttttc	gccgaggaag	gtagtgagac	cgcgagcttc	atcggttgcc	900
agcgcgtccg	cgcatgggga	ggattcactg	atcccagacgt	cgtggccaga	gatcgcgcg	960
cttcagacgg	aattactaca	gttgagcttg	ctacattcgt	cgtcactaca	gcagatggca	1020
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tatcgcgcg	tggtcgggga	agaaaagaag	cgccagcggg	tgctgaatgg	acaagccttg	1140
aatcgctggc	tagagaatgc	cagcgaacat	ggtggctgcc	cgaacttcgc	cgcgcagatc	1200
caggcctttt	cgcagctcgt	gcaggaagtg	tgtgatttga	ccgacagtct	cgaaggggag	1260
tatacgatgc	ttgtccagaa	attcgaggaa	tggttccgga	aagtgcgaagc	gatcgagagc	1320
atgcgacttc	atcgacagca	gggagatgca	aaccacgtgg	ttttcattga	cccgcctgat	1380
cgcgtatgga	aggacgaggt	gcacgtcatg	attgtgacgc	ctgtcttcac	ctacntggag	1440
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<210> 16003

<211> 939

<212> DNA

<213> A.fumigatus

<400> 16003

ccgaaaatct	accaacaact	cgcccgtgct	ccctctttca	cacgcacgtc	acaaacaaag	60
ttgcaaaacc	ttcttgagag	ggtgcagcat	atccttgtcc	tacgagcctt	gcgcatttgt	120
tcaagcgacg	aaccttccac	catgaccggc	acatcccga	atctctacag	ccttcccaac	180
accgacgctt	tggtcccgca	cttgagggcc	tatgtgctcc	ggtgtcagaa	ctccgccatc	240
aatcgccata	acacgttccg	tgctcgctgta	tcaggcgggt	ctctaccagc	agttcttgcc	300
aaggctcttc	ttgcaccttc	aaacggttct	cccagggaca	ctgtgcgggt	cgacaaatgg	360
gacgttttct	tcgccgacga	acgtgctgtc	cctcttgacc	accctgatag	caactaccgc	420
ctgctcaagg	atgagcttct	aagcaagatc	cccgccgaaa	tgggcactcc	taaagtgcac	480
cccatcgacg	ccgaccatgt	caacgatgat	acgcaggagc	ttgccgacct	gtatcaggag	540
gaattgatgc	gctcgttcgc	ggccaaggac	agcgtcaagc	tacctgtctt	tgatcttatt	600
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cgagagaagg	atgcctgggt	ggccgcggag	acaaactctc	ccaagccccc	accgaagcgc	720
ataactctca	cattgcctgt	cgtcacacat	gccgttagta	ttgctttcgt	cgccactgga	780
gcgggaaaaga	aggagatcct	aaagcagatt	ttcgatgcgg	aggagggacg	ggaactgccc	840
tcggcgctcg	tcaaccaagg	tgctggggaa	aaagtgcgct	ggttcaccga	tcatgctgcc	900
gttgatgggg	tctccttccc	cagacgtgga	agcttgtag			939

<210> 16004

<211> 306

<212> DNA

<213> A.fumigatus

<400> 16004

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gaatccgggg	gggagggctg	ctacaacgcc	gaagagcgcg	acgttcagcg	tgcaaggatt	120
gtcgaccttt	ccgatgaaaa	gggatggggt	tgctgcaatg	tccccgaaga	gaacggagat	180
gccgcccggg	gcgcggccga	ctcggtcggc	gtcgatgaga	cagcctttga	aagctggtac	240
tggtactggt	actggtactg	gtgctggtgc	gggtgcgggt	tccgggaccc	cggcgactgg	300
ggttag						306

<210> 16005

<211> 369

<212> DNA

<213> A.fumigatus

<400> 16005

gcatgtgcgg	caccggagcc	agattgtggc	gccgtcgtcg	agccagggtc	aggtttccag	60
gaggagcgac	tcggaatctt	ctgggtcgac	gcctatgacg	acccccgggt	tggcggctgg	120
gacgagaccg	agcgggcagt	ttacaacgta	tcagcagcag	ttttcgccga	ggaaggtagt	180
gagacccgca	gcttcatcgg	ttgccagcgc	gtccgcgcgcat	ggggaggatt	cactgatccc	240
gacgtcgtgg	ccagagatcg	cggcgcttca	gacggaatta	ctacagttga	gcttgctaca	300
ttcgtcgtca	ctacagcaga	tggcagcact	ggaggccgag	tcggagggaac	agctacagac	360
caagtatga						369

<210> 16006

<211> 282

<212> DNA

<213> A.fumigatus

<400> 16006

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gagggcgtca	aaattcttgt	gcagctctcg	ggcaacctcg	tccacgaatt	tcatattatt	120
gagtcgcttg	ttggatgtca	gggcgggctg	cagaaggctc	gcaatggctt	cggactggat	180
aatgcaaccg	gctcggcaga	tctgaaggca	cttgccgaga	tcaatgtccc	acttttcgtc	240
ctcgggaagcg	cgcgagatca	attcgagacc	ctggcaaaat	ga		282

<210> 16007

<211> 363

<212> DNA

<213> A.fumigatus

<400> 16007

tcgcaagaaa	acaccatgat	cgcaccagct	cccactatca	catacgaatc	ccttcgcaac	60
atccctttgt	catatgccac	atgctcaatc	ggcagcagca	acgccgatac	cctccccggg	120
aagctcgaag	cgatcagcaa	agccggcttc	acaggcatcg	agctatcatt	ccccgacatc	180
atcgactatg	ggtcacggga	tcccgaactc	caagtttccc	cgggaataac	tccccaaat	240
ttctctcttt	ttcccgggaa	aaattccgaa	agctctggtg	taacccaaca	aatccctaaa	300
atgaataata	gtttcaggcc	ggttttgcgc	aaatttccaa	gggctgtgcc	ccctcggggt	360
ctt						363

<210> 16008

<211> 1602

<212> DNA

<213> A.fumigatus

<400> 16008

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gaccaaatc	agagattcaa	gcgcacgcgc	attgtcggag	cggggaatat	gggctcgatg	120
atgacctttg	ccttctccga	gctgggttgc	gatgtctcgg	tatgggacgt	ggatccgaag	180
aatgtcgatt	cggtgatgaa	gtttgcaaaa	gacgcacagc	atctgaaggg	caagatctac	240
gggtactaca	ccatcgacga	gtttactaag	agcctggagg	gcaaggcgga	gcggaatta	300
ttctctttt	ccatcacaca	tggacatccg	gcagactccg	tactggggat	gatcaagcat	360
gacctgaagg	ccggcgacat	catacctcgac	ggaggaaatg	aaaactaccg	acggacagag	420
agaagacaga	gggaatgcgc	tggaatcggg	gttcactgga	tcggaatggg	tgtctctgga	480
ggttaccagt	ccgctcgaca	cgggcccagc	ttgtcgcccg	gtggagatgc	caaagcactc	540
gagctcgtca	tgcgcgttct	ggagctctac	tccgccaaag	atcgcaagac	aggccagcca	600
tgtgtcacac	gaattggccc	cggaggctcg	ggacactacg	tcaagatggg	tcacaacggt	660
attgaaggag	gcattgctctc	gaccctcgct	gaggcatggg	caatcctcca	caacgggtta	720
ggtctcaact	atgacgagat	tggcgatatc	ttctccaagt	ggaactcaga	cggcgagctc	780
aagaacaatt	atctccttca	gatcggcgca	gatatgttgc	acaggaggag	gacacctcag	840

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ggggactacc acggcggaagg tgctagcaaa gatgacggct atgtacttga cgatgtgctt 900
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gagtacttga agtatgaagg aggaacgatg ctgccaacca aatttatgga ggcacagatg 1500
gactactttg gcgctcatgc gtacaacaag cccagtgtgc caggtgaaga tccaggtcca 1560
gtcagaaagg ggccccatca ttatgagtgg aagccagcat aa 1602

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<210> 16009

<211> 546

<212> DNA

<213> A.fumigatus

<400> 16009

```

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tcgccgatta cgatcctgca ccaccagtgc tctcacaaca acaagaccgt tgccgtcgct 180
ttcctcagcc ggcaacgtac tcaccaccag attgcacctc atgaggtccc agcgcgcgcc 240
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ggcgaccctt tcgacgaggg tgctcggaag gttgtgcgag cctgcgggtca cagcctggag 480
ggcgagggtg tcgttcttca cgaccgggggt actctgattt gcatgggtac gtcatttgtg 540
ctctga 546

```

<210> 16010

<211> 726

<212> DNA

<213> A.fumigatus

<400> 16010

```

aacgtgcgga tactgtctac gctctcaa atcaaagccc tgcaggcaga attcgtccca 60
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attcgcgacg tcctaggtca gatcgatgac cgcctattcc aatcgtatac caagccaaca 180
gtcaacaaat tgaataccat gattgtcagc ggcactactg accctgaatg ggagccgtcc 240
agcggtcgcc cagagcaagt acgcccctat gtatatagcg tcttgctcac ccttgtgctt 300
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ccaccgcgtg cgccatctcc gttgttgaa atggttctca cacacttgct gacacaaatc 420
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gcatccactg tgcaaagcca gatctatgtg gaactggatc agcggactac acacgaagcc 600
agggctcggc ttcaatcaga acttggagag atgaggagca tactgaagcg gcttcgggag 660
aggacaaagg gcgaattcgc atgtttcaag aaaccgagga gtgggacagg ccataaagca 720
gcttag 726

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<210> 16011

<211> 933

<212> DNA

<213> A.fumigatus

<400> 16011

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attcgcgaaa	atgtgctgtc	gttgtttgtc	gatccgcctt	tggatgatgc	ttccttccctg	180
gcgtctccaa	tatcaccagc	aaccccgaat	agtccgataa	gccaaggcgt	gactcccaca	240
gaatcacgct	tcaaactcga	ccgaagaac	atgccaatac	ccacgccccaa	gcgcggggag	300
ttctgggaag	actatgcctt	ctggccgccc	ttctcgaatt	cactcagtgg	ggttcactat	360
ctcggccaat	tcatgatcat	catcggcacc	gcggcgagcg	aaatggccgc	attgaatcct	420
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gcctttgaaa	gtgcaattct	tgggagaatg	caaaagatcc	tttacatatc	agaagctatg	660
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catggttctg	attccacttc	acctgctttg	gctgcggata	ctgtggactc	tcaagatagg	900
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<210> 16012

<211> 1533

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (1519)

<223> Identity of nucleotide sequences at the above locations are unknown.

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ctcagccttg	gacccttcaa	aggaagcaat	gcgagggaaa	atcttgccaa	ggtcgatgaa	300
cccgatcctc	ttgggtctgg	cgacagcgct	cttcaaatac	tgaaaaaacg	aggactatcc	360
ttggaagatg	aatcccgcct	acggaaccgg	ttcttgcttt	cgtcaacctc	gttttcccc	420
gcccttttcc	tctcccaagt	ccactcagat	gcgtcaattg	agtcacttct	tgaaggactc	480
aacttttctc	caagatctat	cgaccagaaa	tgcgcgtcat	tgaagtcct	cgtcgaggcg	540
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aaccaaggga	aagaaaaaca	tgtgccactg	actcaggcac	atcgcaggtc	ggctgggcat	660
cttcggagta	tttccggggc	ttcgcgaagc	gcgcctcttg	cggacgacag	gcccggaaaag	720
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gaccatcaga	tccaggcggt	caagcgcgat	ctgtggagac	gtctcagcga	tgcgcctacc	1140
acatcaacca	ctgccactgc	agacggcact	gtggaagaat	acatggagtt	gatcggcgct	1200
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cgacgccggc	ttgctggcgg	cgacaagcca	acacccaaag	ctgtggcgct	ctatctccgc	1380
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gagctttggg	aatgtattct	agcgtatctc	aacaaattgc	tggcatcgca	gggtgggcta	1500
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<210> 16013
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 16013
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 gtccgagctg tgggtcattcc ccagggtatg gcgtacgcga aacttgctgc cttgcccgtt 120
 gagttcgggtc tctattcctc tttcatgggt gtcttgatct actggttctt tgctacttcc 180
 aaggatatta ccattgggggt cagtaacact accttttgtt ccctccgcgc atag 234

<210> 16014
 <211> 1329
 <212> DNA
 <213> A.fumigatus

<400> 16014
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 ccggatgtcc cgccttatat catcgcatcc gccatggcca tcatctgtgg tgggatcgtc 120
 tgccgcatgg gtctcctcgg tctcggcttt attgtcgact tcatccccct tcttgcaatt 180
 tctgccttca tgaccggatc ggccctcaat atctgtctcg gtcagggtcaa agacctacta 240
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 aagcacctcc ccagtgcggg acttgatgcg gcgatggggg tctctgcctt ggccatgctt 360
 tataatcatcc gttctgcctg tagctatggc gcaaagcgat accctcagcg cgccaagact 420
 ttctttcttcc tgtctacgct ggcactgtc ttcgtgatcc tattctacac gatgatcagc 480
 gccgcgggtga acattcacgc cagacagcac cctgcattta agcttctagg aaaagttccc 540
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 gccatcaagt ccaaggcggg agtgccgaact cctctggctg gctgcattac cgcagtcgtc 840
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 gcggggcgtta tcatccacgc ggtgggcgac cttattactc cgccaaacac cgtctaccag 960
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 ggtgaccatc ttgtgcaagg tgatggcaag tatggaccgg ccaacggata taccctcgcc 1200
 gatggccaag gcaattttca acgctctatc ttctcccta tcgaccaccc cgatggaagc 1260
 aaccctgaag tcgaagtaca gcagccgtat cccgggtatct ttatctacca gattctccga 1320
 aggatattaa 1329

<210> 16015
 <211> 384
 <212> DNA
 <213> A.fumigatus

<400> 16015
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 ggccctgggga tcaagcttcc ctaccgcgac cctctgggtg ctaatgctga cccggtgacc 180
 cgggggtgagt ccattgttctc cgttggcacc gtggatacct attcctacgt cgaaccagag 240
 cccacatcgg cgggaatggc catagaactc tgcccaactt ggccggatgt tggccactac 300
 ttttacagac ttttcccttt cttgacttgg atcacgaggt acaattggca atggttctta 360
 ggagacgtgg ttgctggtaa gtaa 384

<210> 16016

<211> 507
 <212> DNA
 <213> A.fumigatus

<400> 16016
 gcatattgcc atctccaagt ccttcgggccc ggtcaacaac tataccatcg acccatctca 60
 ggagctgggtt gcgattgggtg ttacaaatct gctggggccc ttcttgggtg gctaccctgc 120
 caccggatcc ttttcccgaa ctgccatcaa gtccaaggcg ggagtgcgaa ctctctctggc 180
 tggtctgcat accgcagtcg tcgtgctgct tgccatctac gccttgccgg ctatgttctt 240
 ttacatcccc aaggcatccc tcgcggggcg tatcatccac gcggtggggc accttattac 300
 tccgcaaac accgtctacc agttttggcg cgtctctccc ttggatgcga tcatcttctt 360
 tatcgggtgtg tttgtcaccg tcttcacctc catcgagatt ggaatctact gcaccgtcgc 420
 tgtttccgca gccgttctgc tgttccgtgt tgccaaagcg cgtggccaat tcttgggaag 480
 ggtgaccatc cactcgggtca tcgggtga 507

<210> 16017
 <211> 1683
 <212> DNA
 <213> A.fumigatus

<400> 16017
 ccagaatgtc accatccagt aaaaggatgg ctccggtcta gtgcgttgca aatgtctatg 60
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 ttcattaccg cgagtatgca gtcccatttg cgccgctgtt catgtgcccc gattgctgac 180
 ccgaccagtt tccaccccaa gtcattcagc gaagtcaacc cggagcaccg ctccggagcat 240
 tccgcgtggg agacgcccga ccccggtttc tggaccaagc acggctatgc gattgttcgg 300
 gcgagacgaga gaggcacagg tcaatcacgg ggcaagctgg acaccatgtc gcgcgaaacc 360
 agcgaggcct ttttcgacgt catcgagtgg gcagcggaac agccatggtc gaccggcaag 420
 attgggctgc tgggtatcag ctactacggc ggtagccagt ggagagtcgc cgcgcgccag 480
 cccaagggcc tcgcctgcat tatcccctgg gagggcatgt cggactacta cggggaccgt 540
 tgcgcgcatg gaggcacctt gagtaactcc tttatcaaat tctggtggga cgggcagggt 600
 gtttagcaacc agtacggtcg ccccgccgcg gcagcgcgga actggggccc tgatactatt 660
 gaaggcgacc ttccggagga ggaactggtg gccaaccgac aagaccagac aatcgacaac 720
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 aatgtggagg gctatacgca ggcgggcagc gagctcaagt acttgcgctt catcaccggt 900
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 cgtcgcgtgg agaataatg gccatttgcg cggacgcagt acaccaagta ctatctgacg 1140
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 gctctgggaa ccttggaaca cccccagctg gtgcaattca ccacggcgcc gtttgagcag 1260
 gagacagaga tcaccggaca tatcgtcgcg catttgaaat tgtccatgag cccggagccg 1320
 ggcgaccga caccgcggga cattgatctg ttcgtgacct tgcggtacat ctccccggag 1380
 ggcaaggagg tcttctacac cggcacggca ggcgaccggc tacctctctg caagggatgg 1440
 ctgcgggtca gcatgcgaaa ggtgaacaag gagcatcgcc gtcacgaag ctatctgccc 1500
 catcgcgact actactccac cgatgcgctg ccggtgatcc cgggcgaggt gtacggcggt 1560
 gatgtcgagg tgtggccac gaatgtggtc gtggagaaag gaggcaggat agtttttgag 1620
 gtttcgtctg gggacaccca gggctgtggg attttccagc ataactccc gactgaccgg 1680
 tag 1683

<210> 16018
 <211> 642
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (635)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16018
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 gttacacctc tataccaaac aatactgcct aaaatgccct ccaaacccaa gaacattcgc 120
 ccccttcaac gctatatcac cactcacgat gcctccggca aggccatctt ctccagcgcc 180
 ctgtccgagg aaatgcccg gaccaccatg gcggatggcg ccgacttctc gtcgcggtac 240
 acctcctcgc acttccccgc caaactcatc aacgacgacg atatccccga gtatgcgaac 300
 tacctctcga gcccgccggg catcgtgatc agtacgggca ccgtgtgccg gatcgtggat 360
 atgcagcctg gggcgacgag cccgatgcac cgcactgtga gccttgacta tggggttgtg 420
 ctggagggggg aggtcgcgct ggctcctggac tccggggaga ccaggctgat gaagcggggg 480
 gatgtgagtg tgcctcgggg aacaaaccat gcgtggagga atacgagtca gacagagtgg 540
 gcgcgggatgc tgtatgtact tgtgccggca gaggccatcg agattggggg gaagaagctg 600
 ggggaggagg tacggggagat acgggtgagg cctantactt ga 642

<210> 16019
 <211> 540
 <212> DNA
 <213> A.fumigatus

<400> 16019
 aaggatggct ccggtctagt gcgttgcaaa tgtctatggt cccaaagccc tcgagcgggc 60
 tcccgttctg gtcacatatg ggcggtacgg caaggacatt cattaccgcg agtatgcagt 120
 cccatttgcg ccgctgttca tgtgcccgaga ttgctgacct gaccagtttc caccccaagt 180
 cattcagcga agtcaaccgg gagcacggct cggagcattc cgcgtgggag acgcccgacc 240
 ccggtttctg gaccaagcac ggctatgcga ttgttcgggc ggacgagaga ggcacaggtc 300
 aatcacgggg caagctggac accatgtcgc gcgaaaccag cgaggccttt ttcgacgtca 360
 tcgagtgggc agcggaacag ccatggctga ccggcaagat tgggctgctg ggtatcagct 420
 actacgcggg tagccagtgg agagtcgccg cgcgccagcc caagggcctc gcctgcatta 480
 tcccctggga gggcatgtcg gactactacc gggaccgttg ccgccatgga ggcacactga 540

<210> 16020
 <211> 231
 <212> DNA
 <213> A.fumigatus

<400> 16020
 ttctattgta tacattgttg tctcgggacc acatcgggag cggagatcat aggattctct 60
 gatctgattc tctctcgccc tcgcgctccc ccgtgggtct acattcccga gtcctacgat 120
 tatcaatcta acaacaacgg ccgcatcttc cgagtcatac aattggagtc tattcatacg 180
 aaagcaacta tcatatcaca gccatatctg tctatgcctt cgggggaatg a 231

<210> 16021
 <211> 723
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (571)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16021

```
<210> 16022
<211> 564
<212> DNA
<213> A.fumigatus
```

```
<210> 16023
<211> 186
<212> DNA
<213> A.fumigatus
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```
<210> 16024
<211> 921
<212> DNA
<213> A.fumigatus
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<400> 16024							
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aagaccgata	cgtggacacg	tcctaattgg	ggaggcggta	tttcatgtgt	cttgcaggat		120
ggaaatgtct	ttgagaaggc	cgggtgtcaat	gtttccatcg	tttatggtga	attacctcgc		180
cccgctatcg	agaaaatgcg	agcggatcac	aagtcgtttg	tcggcgcgga	tgttgactct		240
ctgagcttct	ttgctgctgg	tctctcactg	gttctgcacc	cacacaacc	catggctcgg		300
acagtgcacc	tgaactacag	atatttcgag	acctcggatc	caaaggatcc	tatccatgga		360
gagaaaaact	ggtggtttgg	cggcggcaca	gatttgacac	cgtcatacct	cttccctgaa		420
gatgtcaagc	attttcacca	gactatcaag	gacgcctgtg	atagacatga	tgcgacatac		480

taccccaaat	tcaaggcatg	gtgtgacaag	tacttccact	tgccccatcg	cggcgagggt	540
cgtggtgttg	gcggtatctt	ctttgatgat	cttgacgcca	gtttccttga	aacctcttct	600
acttcttccc	agaacctcca	agagaccatc	ttctcattcg	tctccgatgc	tctcgcatca	660
ttcctacctt	cctacgtccc	cattatcgaa	aagcgcaagg	acatgccctt	cactcccgcc	720
cagaaggaat	ggcaacagct	tcggcggtgt	cgctatgtcg	aattcaatct	tgtctatgac	780
cgcggaacta	gctttggttt	acgtacaccc	aacgctcggt	tcgagagtat	cttgatgagc	840
ttgcctcgca	ctgcatcatg	ggcatatatg	gacctgttat	ccggaacacg	taccgagggt	900
cccatgtcgg	aagaagaata	a				921

<210> 16025

<211> 1752

<212> DNA

<213> A.fumigatus

<400> 16025

gcgagcggat	cacgcaaccg	agcggatcac	caaacgcgtt	ttgacttcta	tttcaaaagc	60
tgcagtgttc	agccagccac	tatgccacca	aaagcgcgta	taaactcaaa	aaattcagtt	120
gagcaggagg	gaagggtcct	acttgacgta	tcagctttga	aaaataagga	aattctcaat	180
attcgtgaag	ctgcgcgtgt	ctataatgtg	ccttatacta	ccctccagcg	gcgcctaaag	240
gggcatactt	ttcgagctga	attacgcgca	aatggccata	aaatgactca	gaatgaagag	300
gattcactta	ttagatggat	tctatctatg	gatcaacgtg	gagcggctcc	ccgaccgtcc	360
catgtacgag	aaatggcgaa	tatcctgctt	gcgcagcgtg	gttcaactcc	taccagact	420
gttggagaga	aatgggtata	taacttcatt	aatcggcatg	atgagatcaa	aacccgattc	480
tctaggcgct	ataaccacca	gcgtgctaaa	tgtgaagacc	caaagattat	cctggaatgg	540
ttcaatcgtg	tccagatcgc	aataatgcag	catgggatta	caatggaaga	tatgtacaac	600
tttaaatgaaa	ctggctttgc	aatgggctta	gtagctactg	ctaaggtagt	tacaagagct	660
gagatgctta	gtcagccctt	ccttatccag	ccagggaacc	gcgaatgggt	tacctctata	720
gagtgtatta	actctactgg	ctgggtgctt	ccaccataca	ttatcttcaa	gggaaagggtc	780
catattgagg	gctggtatca	agatacagcc	ttaccagcag	actggcggat	cgaggtcagt	840
gagaatagat	ggacgactga	tcagattgga	ttacgatggc	ttcaaaaagt	ctttattcct	900
gctactacca	gtcgtacaac	tggtagatat	cgactattaa	ttcttgatgg	ccatgggagc	960
catctaacac	cacagtttga	tcaaactctg	actgagaatg	atatcattcc	aatctgcatg	1020
cctgcacatt	catcacatct	cctccagcct	ctagatgttg	gctgtttctc	tcctcttaag	1080
cgtgcataata	gccgcttgat	tgaggataag	atgcggcttg	gtttcaacca	tattgacaag	1140
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cttaatatcc	agcttagaac	acctacacca	ccaggcagcc	gatcaactaa	ttctatccca	1320
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gctgcacatg	aaaagcacct	tcaaaaagcag	aagcgatcta	ggcggcagat	agaaactgca	1560
gtgggattat	ctatccagga	agggcaggag	atcattcaac	gcagggatca	ggctgctgaa	1620
gctatcccaa	ctatccctcc	agagcaggta	gtagatacag	aacaacgccc	tcaacgggca	1680
ccccacgct	gcagtgaactg	ccatattcta	ggccataggc	gattgcaatg	tccgcagcgc	1740
aagaataact	ag					1752

<210> 16026

<211> 267

<212> DNA

<213> A.fumigatus

<400> 16026

tgctcgacag	ccgggggttc	tcgtctcccc	caccgacatc	cgtatgcacc	ccggaaaacc	60
acacctggag	catctcctgg	ccctcggttc	tgtgcgggat	gtgccacacg	atcggttgaa	120
acgcccgtgcg	ctcctcgtcc	agcgacagcg	catggaacgc	atagcgcaca	ttatcctgca	180
ggattgtatt	ccgcagctcc	agcttctcgc	ccgcgtcccc	gccagccac	gccttctgga	240

acccaaccgt atccccacacc ccgatga

267

<210> 16027

<211> 990

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (982)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16027

ccaggcgtgg	ccggactggg	cgtcagcgcc	aacgtgcgag	ccgcgtacgg	cttcctggcc	60
gacaactaca	acgacggcga	caagatctat	ttctttggct	tctcgcgcg	cgcgtaact	120
gcccgtgccg	tgcgcgggct	cgtctgcaaa	tggggctctg	tgaccccgcg	gggcatggat	180
aactttgctg	tcggtgatga	tgatttctac	aacccaaaaga	ttgaggata	cgatgcggag	240
cggcgcaaac	gaatgggggt	ccgagacccc	ctgtcgcggt	tcacgcacga	gatcatcggg	300
gtgtgggata	cggttgggtt	ccagaaggcg	tggctggggc	gggacgcggg	cgagaagctg	360
gagctgcgga	atacaatcct	gcaggataat	gtgcgctatg	cgttccatgc	gctgtcgctg	420
gacgaggagc	gcacggcggt	tcagccgatc	gtgtggcaca	tcccgcacag	gaacgagggc	480
caggagatgc	tccagggtgtg	gttttccggg	gtgcatacgg	atgtcgggtg	gggagacgag	540
aacccccggc	tgtcgaacat	cactctggca	tggatgattg	cgcagtgcac	gaagcacagg	600
cagctgagat	ttgacattga	cgagtatctg	ttcgatgac	ccccgcgacc	cgaggaaagc	660
gagatggctc	cgtgggcgac	aagcctgggc	aaaatcgacc	acagcagcat	cggacgaaca	720
ttacaaggta	agctgggagg	cagatccact	cgcaaaccca	tgggggtaca	cccgcggggt	780
caggagtccg	atatcacgaa	cgaattcatt	cacgaatcgg	tccgggatcg	caatctggcc	840
aagtggccat	gcgccgcgct	caagggacgc	cccgatgaga	agagctggac	tctgacgtct	900
ggcaagcaga	tcgccgaact	tcctgcgttg	cagatggaaa	agtatatgaa	gggtcgcatt	960
cggacagtgc	atgtcaccga	gnaggattaa				990

<210> 16028

<211> 663

<212> DNA

<213> A.fumigatus

<400> 16028

caagcagcat	cgtggactag	ataccgcaca	ctcacccta	aatctcgtgc	tatacctttg	60
acaccttcac	tcgatcccta	cctccgcgcc	aacggaatcg	ttctaccacc	agagaccaca	120
cggccacatg	gcgatgatga	catagacaca	ttttccgacg	atggtgcgga	tgaggagtca	180
gatccatccg	ttgaatggca	agagatccac	tcccagatca	agtcaaccat	ctcagagttt	240
ggcggcaaa	tgacacaaaa	gctaaactgg	agtgcgcca	aggatgccgt	atggatgtca	300
gcgacgaacg	atcttcaatg	ccgaacgcca	aatgatatat	acctcctcct	gaagagcagc	360
gacttcatca	cacacgactt	ggagcatcca	tttgacgggt	gtgtgcccca	tccagacgat	420
tcgtccgagg	cacctgccac	ccagcccgat	atcccttact	acctcgctct	ccgcaaatac	480
gtcaacttca	acctctctct	tgaatttctg	tgttttgtcc	gtaaccgcgt	gcttttgtgc	540
atgtgccagc	gtgaccagaa	tcattttgac	ttcctcttct	cgctgcggga	tacccttoga	600
tcacgcatcc	aggcattctt	cgacgagaag	ctcaaagaca	cattcccaga	ccccaaactc	660
gtt						663

<210> 16029

<211> 2097

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (175)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16029

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ctgagaaaagc	gcgtttatac	actgctgcgg	gcgaaactac	tgggtgctttc	tcgtntactt	180
cacaaaaccc	tttcacagca	gaagaccgtc	ccgccattcc	tggacaattt	gcgcaaccag	240
ttagcgtccc	ttcggcggac	actcctgaaa	agaatcgaca	agcggctcgc	gtccgcaaag	300
tccatcgttg	acgatacaat	cgagtcattg	gccgcttatt	gcctagcgac	aagctcctca	360
tcagacgatg	ctattcgcca	ttttcaccac	gttcgcctgg	atgtcattgg	aaacctgctg	420
ggacttcatg	agtcgtcagg	cgagaatgtt	tcgaacgcgc	tacagcttta	catccaaact	480
ctgcaaatgt	cgaagactct	tctttctcgt	cgactgtcag	atgtgtctca	taagttgaaa	540
gcaagacctt	tcttggccga	tcttgacatc	ctcagtctcg	atgaactgag	tgttgacgtg	600
ctgggcccgtt	gggttgcgtc	agacgtcaag	aatttcactc	cttggatcaa	actaagtgag	660
ctgtcgaaac	cagaagcaga	aaagacaatt	aaacagtggg	caagacaagc	attcgacgct	720
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<210> 16030

<211> 1107

<212> DNA

<213> A.fumigatus

<400> 16030

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<210> 16031

<211> 3261

<212> DNA

<213> A.fumigatus

<400> 16031

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<210> 16032

<211> 282

<212> DNA

<213> A.fumigatus

<400> 16032

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<210> 16033

<211> 1452

<212> DNA

<213> A.fumigatus

<400> 16033

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<210> 16034

<211> 2376

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (2290)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16034

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<210> 16035
 <211> 1440
 <212> DNA
 <213> A.fumigatus

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<210> 16036
 <211> 369
 <212> DNA
 <213> A.fumigatus

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<210> 16037
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 <213> A.fumigatus

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<210> 16038
 <211> 558
 <212> DNA
 <213> A.fumigatus

<400> 16038
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 aacgatggta ttgccgatct gcgagccaag agagagggcc agctcgccgc cgcacagaac 180
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 atcgaagacg agatcaacaa cggtttccgt tatctccgag acctcctgaa aaagatcaag 300
 cagacgcctg gctctggaga caccgggtt cagaccaga tcgatgtcac cagccggaac 360
 ttgcgtcggg agattgagca gtaccagagg gcccgatcgg atttccagaa gcggctgcgc 420
 gagcagggtgc gccgacgata cgagatcgcc aaccagagg catctcccga ggagatcgaa 480
 cagggtgttg acaatgttct gatgggccaag gagcagagct tccaggtagc agagcatggc 540
 tcatcccaaa tatcttga 558

<210> 16039
 <211> 606
 <212> DNA
 <213> A.fumigatus

<400> 16039
 gttaccggca gcagaaccag acaggccaat gacgccagac aagctgcttt ggagcgatcc 60
 gccgctattc gaaagatcga acaggacatg attgaactgg gccgtttgta ccaggaagtt 120
 gcggagctgg tgcatacaaa agatgctgct gttgagcaga tcaaccaagg cgccgaagat 180
 gttgtcgaca atgtccagaa tgcgaacacc cagattgatc atgccatcaa gagcgcgcg 240
 aacgccagga agtggaagtg gtatgcgctg ctcatcgtea gtacgtgtca tctttggcct 300
 cagtgtaaaa gcatcaacct gactgactgc gactttagtt ctgatcattg ccacgttgt 360
 cggtgtcgct gttggtgtca cccaggccaa caaagcgtaa aatggccatc cttgaaagat 420
 gcttgcatca aacggccttg agaatacgtt tgtcggctgc ttatgatcta ctccgcgctc 480
 ggaaatctgc gtcgctacgt caggcttctc gatatccccg tatctcgccc tctgcattat 540
 ctttcgtta tacatggtcc acgcaatgcg gaagcgaaag tcgataaatt cggtagggca 600
 tcataa 606

<210> 16040
 <211> 372
 <212> DNA
 <213> A.fumigatus

<400> 16040
 cttgcagtaa cactcctcgc tatecttgcg agcaatgcga ttgctctccc tctttcccct 60
 gcgtttcctg ttggcgaact caagtatatc ctggacaact cccaggccaa ggtgttggtc 120
 gctactcaga agtataggga taaggcgcac gacctgctca aagccggatt gaatacggag 180
 cccgtactgg atatcaagga gaagatccag gtgggtgcga cgagctcgca cccggtctcg 240
 ttggaggacc tcaacgggtga gagatcgctg ggagggatga tgctttatac ttctgggact 300
 acgaaccggc cggtaggcat cgaattttcc gtttaattctg ttgagactcc gacaggctgg 360
 aagaacttct ag 372

<210> 16041
 <211> 867
 <212> DNA
 <213> A.fumigatus

<400> 16041

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aaaggcgtac tcattcccca atcagcactt accgcacaag cgtcttcgct attagaggcg 60
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actgtcaatg cgatcgtgac gcctatactt gccggatctt gcattgagtt catgtttccg 180
ttcaacacag acgctgtatg gaacaggctt gcagagccat ttttaccgaa cagcacgaat 240
aagagtaaga ttacattcct cacagctgtg ccgacaatct acaatcgact actctcaagc 300
tttcctagct tacgtcccgga aattcaagaa gccgcgaaga agggcatttc gcccgagaat 360
ctccgcttga acattttctgg ctccgccgct ctcccgacac cgaccaagca agcctggcag 420
gatctcagca acgggaacgt tctacttgag cgctttggca tgactgaggt cggaatggct 480
atcagctgtg ggctcgactt cgcagaccgc gtggatggaa gcgtcggctg gccgctgcca 540
tctgtggagg ctaggctggt cgacactgag acgaatgaag tcatcaagcc tggagaggag 600
ctcgacgcca atggccgtga gcgggaaggt gaaatccagc ttcgtgggcc gacaatattc 660
cgcgaatact gggttaatga gaaggctaca aagggggcct tcgtggatag cgaagatggg 720
aaaggcaagt ggttcaaaac aggcgacgtt gctaccgcgc gagtagtccg gaacgccggc 780
aaggggacca gcggtaaatg ggccaaaggc ccaagtattt catccagggt tcttcaccac 840
gcagctgcaa ggaccacgtt tatgtat 867

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<210> 16042

<211> 330

<212> DNA

<213> A.fumigatus

<400> 16042

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gtattcatcg aagcacactc attctttgtg ctcaactcga ctaatcgtga cgacaggttt 60
ctgagagatg catacgcgga tgtcgacaaa cactaccccg gtgatacctg gaatgaaccc 120
ggaaacaacg tttacggctg catcaaacag ttgttctctc tcaagaagca aaaccgcaag 180
ctcaaggctc ttctttccat cggaggctgg acctgtctg ccaatctcac ccagggaaca 240
agcacggatg ctggacgcaa cacgtttgcc cagtctgctg caaagctgct ccttgattac 300
ggctttgacg gtaggttttc cctttcatga 330

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<210> 16043

<211> 672

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (330)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16043

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cattcaaatc taggaccaaa caattactcc aagcttaagc tgagagagat gacacctttt 60
ctcgactttt acaatctcat ggcatacgat tacgccgga gctgggactc cgttgccggc 120
caccaggcca acctcttccc atccaatggc aacctctctt ccaccccggt ttcgacgac 180
caggccatca attactacac tcaggtcgga ggagtccgc ctccaagat cattctggga 240
atgccgctgt acggccgtga ctctcttgag accaacgggc ccggcaccct ctactcgggc 300
aatggagctg ggagctggga gcatgggtgn tgggactaca aagctctccc ccaaccgga 360
gcaacggagg tctttgacca acaagcaggt gccttttggg cctacgatgc aggcgcccg 420
accatggtct cgtacgacac cgtcaccgcc ccgagatga aagtgaattt catcaaggag 480
cagggtcttg gaggcggcat gtggtgggaa gccagcgggt acaagggagg aaaggcggcg 540
aataaggccg atggcagctc cattgggact tttgtggaag gcgttggcgg cgtaaagtca 600
ctcgaacaga gccagaataa tctggactac cacgagtctc agtttgacaa cctgtgtgct 660
ggtttccctt ga 672

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<210> 16044

<211> 213

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (20)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16044

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aagaagcgca agaagaaggt ctacaccacc cccaagaaga tcaagcacia gcgcaagaag	120
accaagctcg gtggcctcaa gtactacaag gttgacggcg atggcaagat cgagcgtctc	180
cgccgcgagt gccctcccc cgaggatatgt taa	213

<210> 16045

<211> 621

<212> DNA

<213> A.fumigatus

<400> 16045

cagaacgggg ttcattgtgt ctcagtacaa ctacgattgg cacccgagaa cctcatccg	60
acaccagtgg aggattgcta cgctgggctc acctggctat acgaacatgc ggaggagttt	120
tccgtggatc gcagtcgtat agccacgatg ggtgagagcg cggggggact gctggcggcg	180
ggaatcacc tcatggcccc cgatcgagga ttggcgctc cgatcgcaa gcagatcctc	240
atctatccca tgctggatga ccgaaacacg gtgccccatc ctgagctgga aaatttcgct	300
ctgtgggact gtaatgataa catcactgcc tggactgcgc ttcttgggac cgacattggc	360
aaggacaatg tctcacagta tgctgcgccc gcgcgcgcag taagcgtgca aggcctccct	420
cccacgtaca ttgatgttgg cgaactagat atctttcgag atgaagatat tgcctacgcg	480
gccagaatag catccgcaa catcagtgtg gaactacacg tataccctgg cctacctcat	540
gcctttgagg tctatgctcc gcacattgag gcgacaaaac gtgctactgc ggatcgattc	600
agagctgtcc agacgctcta g	621

<210> 16046

<211> 294

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (40), (105)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16046

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cttatctcgg tggcaagcac ccgtcatata caacagtttg ctatncattc ggccatctac	120
tacaccttaa caacctcaac ttcttggcac ttctggcata attactttcc aattgccgaa	180
aacaaaggaa caaaaacat tcttggggga cattacaacg acatttacia cacaattccc	240
tttctcaatc gggctcattt ccgataccac cgggcttccg cgtcttcctt ttaa	294

<210> 16047

<211> 228

<212> DNA

<213> A.fumigatus

<400> 16047

ggaacaggca tgatcatgcc gaggaacttt aatcttactt ctgatctaac atggctaat	60
atcggctctg gacgatgtct tttggaatgt cgtcagtcac ctggaccgtc ctcatacagt	120

acgtatctca gatgctcagc cctcgtcacc aaggctcaac atcttaacca ggctcacaat 180
gccttcggat cttccactat gatgattctc actctcaaga tcatatag 228

<210> 16048
<211> 534
<212> DNA
<213> A.fumigatus

<400> 16048
gacaagtaca tgcgttccgt tgcagacttc ctcaacctgc aagaacgcac caagcgtgac 60
atggagaatg cccggaatth cgcattcag cggttcgccg tcgacttgct cgagagcatt 120
gacaacttcg accgggctct ctttgctgtt cccgctgaga agctcaaggc cgaagtgacc 180
gagtccaaca aggaactgat ggacctcgtg tccggcctgc ggatgacca gaacattctg 240
ctgaacactc tgaagaagca cggctcggag agattcgacc ccagtgagcc tgctgaggac 300
ggcaagcccc aaaagttcga ccccaacgtt catgaggcca cgttcacgac caaggtcgag 360
ggtaaagagg atggcgatat catccacaca cagaccagg gcttcaagct caatggcaga 420
gttttgaggg taagtcattc ttctttaagt agcttttttt cccaggggtc taaccctggtg 480
tttcacaggc tgccaaggctc ggcgctgtca agaacaacta gacgtcgaac ttga 534

<210> 16049
<211> 600
<212> DNA
<213> A.fumigatus

<400> 16049
aagctccata ttcttttttc atctctaaaa tatccctcct acatcatggt ccaaagaact 60
ttgctcagac agggccaggc cgccaagtcc attgtctctc tccgtgccac atctaccaca 120
ccttcagtca tccgccgcac gtcacagtgt caatcacagc tgctgtccgt tcggccgggt 180
gttcgtcagc cgacttaccg cttctactca acagagaacc aagctcagaa cgctgagaag 240
gccgaggcca aggagaatga agctgctgag gaatccccag aggagagcct ccgcaaggag 300
ctggaggcaa aggaaaagga aatcgtggat ctgaaggat taatcactct ttgtggttgg 360
tggaacattc actgttggga tgaccgccag cccatgtttg cagggtgctga ttttgtacat 420
aggacaagta catgcgttcc gttgcagact tcctcaacct gcaagaacgc accaagcgtg 480
acatggagaa tgcccgaat ttccgcatc agcggttcgc cgtcgacttg ctcgagagca 540
ttgacaactt cgaccgggct ctccttgctg ttcccgctga gaagctcaag gccgaagtga 600

<210> 16050
<211> 414
<212> DNA
<213> A.fumigatus

<400> 16050
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atcactgcac agagccagag agactacccc gcacctgcaa gcatgctctc agcaatcaag 120
tcccttttgg tggatccttc cactccacca tccgcggcag ctcgggcagc agtggttaggc 180
tacatccagg agtctaacct agaccccgac tacacatcac tatggcctct cctttttgca 240
actatcggtg aattcactga gcagaacgac cgcttggtgg cctttgttgc agacctgcag 300
agtctgacgg aatgcaacgg agccttttagt cgactggatg ggctcagtga atacatgaca 360
gaatttgtct ttgactgtat gtcttctcca agatcaactc taaattcaaa ctaa 414

<210> 16051
<211> 495
<212> DNA
<213> A.fumigatus

<400> 16051

tggctttcaa	aagatataaa	ggtgtctcga	aaaactgcc	aagattgtgc	tcatcaacag	60
gctgctacac	gactccccag	caagatccag	gcgtttgaag	tcaatcgcaa	gaccttatcc	120
tataactcca	agatgccatc	gttctttcgt	tctctggctc	tctatgccct	cttggctggt	180
gctctgggtgg	cccagggtcac	caatgcctac	ccccagcctg	ctctcgttca	ttcggaagat	240
gcagccattc	ctcatgacac	tatcaccacc	gaaccatct	caatgggtgcg	ttccattgag	300
gacgatgggtg	atctgtacca	gcgttcgaag	cctttgaaaa	ttgccaaaga	accgactaaa	360
agctacagct	gtccagcgac	aaataactat	ggaagcaaca	catacacctc	tggacagctc	420
aaagetgctt	ttgtcaaggc	agcccaatac	gccaatgatg	gcaagcagat	tggagacagt	480
tggtttgcag	cctga					495

<210> 16052

<211> 1230

<212> DNA

<213> A.fumigatus

<400> 16052

gcgaaagacg	gggacattct	gtatatctac	taccggggcg	aaggtatcgg	catcactttt	60
ccttatatcc	gacattttcc	gatgatgact	ccccttgaca	aaagcaaaag	gagcacacca	120
caacaactcc	aaccagggag	tccaccatgt	cttccaaaac	caagacaaaa	gtggcttgta	180
aggctctgtaa	tcttcgtcga	gtcaaagtgt	atcgaaccga	ggacaggggc	tgcgtcaact	240
gtcgcagtggc	tggacaggaa	tcgcagccga	tcctctcacg	acgtggaaag	tattgacgct	300
gctgccacgc	tggttatgat	tcgagacact	aatttttttg	gcagatacaa	gcgttccaat	360
gttagaaaa	atcgaagtgg	atcagctcgt	cgagctcact	ctcaagatgg	gaaccactca	420
acccaagca	ctcaacctcc	actaactcga	gagagtgttg	gtccgcatcc	catacagtat	480
gagacggctg	gggaagaaac	cggatgaatc	gatcaagtgc	actgcccagg	tttcattcac	540
atggttaaca	accagctcgc	cggcatggag	gtggtgtact	acggagattc	tttcaatctc	600
aactacgtcc	tacgcgagat	gggtaatccg	ttccaaggcg	atcttgacag	ctcctccttg	660
aagcttcgca	ttgaggagtt	gtatctgaac	cgcttaggtc	agtcgaccaa	ggatcagctc	720
gacgctcatg	aatgcagcca	gcgtatccgc	ttagaagaaa	tgggcgcatt	ccaacggctc	780
gacaaagaga	taagcgacgc	ccttatccag	acattcttcg	ctgtagtgtg	cccactctgc	840
cctatcttcg	atctttcggg	gtttcacacc	aagtacaggg	cagaacactt	ctccccgctt	900
gtgttgcaag	cgctgtactt	tgtcgccgca	tgcattgttg	aacagtcatt	gacgaaaaa	960
gcagggttcc	ccaatcgga	tatggctacc	tttacattct	atcaaagagc	aaaggcattg	1020
tacgatgcaa	attatgaatc	agatgcgatt	gctacagtc	aggccttgta	ccttctgtcc	1080
tattgggtggg	gtagtccttt	ggaacaaaag	gatattgtgg	actggacggg	gcttgctgtt	1140
ggccttgcac	aaactctcgg	tttgcaccag	aggctcagttg	atatcgctat	tgccttgaac	1200
tttgtattga	ctaactgtcc	aattcagtaa				1230

<210> 16053

<211> 306

<212> DNA

<213> A.fumigatus

<400> 16053

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tgctacttag	gacactaccc	gcataccttt	ggtaacggcg	aaaagcttcc	cttcccctgc	120
ggcagaagca	ccatggaatt	ccccttggat	cgagaccacc	cgggcactgt	atacagcggc	180
cagagcgtga	agaacttgcc	agatcgtatt	gtttttgaat	tcaaggatgg	caagaaagag	240
gcaaaggcca	agttttgtgg	agtgatgcgc	catggaaaca	acggcgattt	tgtcaactgt	300
ccttaa						306

<210> 16054

<211> 507

<212> DNA

<213> A.fumigatus

<400> 16054

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acatctacat	gggcgcgtac	atgggcctgc	agccggggtc	gagcaccaac	cgctccgcct	120
ccaacgcgc	catcgccct	gtcttcatct	acgcgcgcgc	ctgggccatc	ggcctctgca	180
ccatccccct	cctctatggc	gcgagatct	tccccacgcg	catccgcaac	gtcagctacg	240
cgatcagcat	gtcgtgcac	tggttcttcc	agtttgctgt	cgccgcgctc	actccgaaca	300
tgttcgtcgc	gctcgatgtg	tgggggcgct	acgtcttttg	ggcgatcatt	tgcctctctg	360
ggctcgtcat	cttgggcac	tggatgcctg	agacgaagg	cgtgcccatt	gagcggatgg	420
gtgatctctt	cgagggaacc	tgggtacttg	gctggcgagc	gaagccaaga	cccatcagtt	480
ccttttcacc	ttctccggt	gggatga				507

<210> 16055

<211> 426

<212> DNA

<213> A.fumigatus

<400> 16055

ccatggatgt	tgtgtccatc	ggtaggttac	gatgaagggtg	gctttagcgc	cagtgtcaac	60
ctgaaatcgt	ttgtgagcga	tttccatctc	gcagcttctg	aatggacgaa	taacaagacc	120
gagctggcca	accgcagagc	caacatcacc	tcgttcaacg	ttttgggtgc	tgcgttgggc	180
gccttgctcg	cattggactt	gaacgatcgt	ctgggcccgc	tgcgctcgtg	gcgattagct	240
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attctcgcgc	cgagactttg	cagtggacta	ggggcgggaa	ttctcacctg	taccacgccg	360
ttgtacttat	cggaaatcgg	tatgggttgc	ctgatttggg	ctcaattggc	ggacactaaa	420
tgttga						426

<210> 16056

<211> 1095

<212> DNA

<213> A.fumigatus

<400> 16056

actgacattg	tcaaagggtt	cttcatcaat	tatgccgcca	gtctgcatat	ggccccaa	60
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gcgtccgtga	ttgcacccga	aacgcctcgc	tacttggtct	ccaagcacgc	gcagatgaa	180
ggacgatccg	tctcgcctcg	tctgcgcggc	agacaagtct	ccgaccagc	gatcgaagac	240
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ctgatcgcca	tgcacacat	ctccagtg	actggcgcca	acggcatcac	ctactacgtc	420
gccaccatct	tccagtacgc	cggaatcgac	ggcaacgcgc	gctcgcctcg	ctcctcaggc	480
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gccatcgct	ctgtcttcat	ctacgcgcgc	ggctggtcca	tggcctctg	caccatcccc	720
tacctctatg	gcgcggagat	cttccccacg	cgcatccgca	acgtcagcta	cgcgatcagc	780
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gcgtcgcgat	tgtggggcgc	ctacgtcttt	tgggcgatca	tttgcttctc	tgggctcgtc	900
atcttgggca	tctggatgcc	tgagacgaag	ggcgtgccca	ttgagcggat	gggtgatctc	960
ttcaggggac	cgtggtactt	gcgctggcga	gcgaagccaa	gacccatcag	ttccttttca	1020
ccttctccgc	ctgggatgaa	cgcgggcgat	cctcctggtg	agaagaggcc	cggctgggca	1080
aatgcatctg	tctga					1095

<210> 16057

<211> 327

<212> DNA

<213> A.fumigatus

<400> 16057

accccggcag	tggacgatac	atcggaaatc	gagatttggga	ctcctcacgg	agttatcttc	60
ccagaaggca	ctcattatcc	gccgacgcag	gctcattcga	cgtcattgtt	tatgaggatg	120
tgtggactgg	cggagattct	caacgagatc	ctcatccaca	tttacgaccc	tattcgacag	180
gtgtccgagg	ccgagttcca	tgattgcgtc	caggagcagg	cgaggaactt	gacagaatgg	240
tgggatgagc	tgccggacta	tctgaagctg	gtggtcacag	agctacctcc	ctactcgcca	300
ccaagccata	tcgtgatcct	gaagtga				327

<210> 16058

<211> 546

<212> DNA

<213> A.fumigatus

<400> 16058

cccacatcat	ccgatcgtca	gaacaaaaaa	aagtgccttac	aatctccagg	tgatatgaag	60
atcaacggtc	cgtattattc	ggataccctt	ctcaatgcga	ttctctctca	ttcggtagca	120
tggtgcaagt	ctgaacccaa	aattggcccc	attctggaat	ccttcgatgg	cggcgctcaa	180
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cccaccattc	agacgttgct	catactcagt	gcacaagagt	gcggccgggg	caatcgaacc	300
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gatagtcgca	agtatccgga	tgtctgtcaa	ttgagcgatg	aagacatcga	gattcgaaac	420
cgactcttct	ggagctgtta	tttctgggac	aagctgggtg	cattgtactt	tggcaggctc	480
ccaactatgc	aaaactctca	cgtcagcccc	ccgcgaacta	tatgtgagtt	gtctctcctg	540
gtctag						546

<210> 16059

<211> 516

<212> DNA

<213> A.fumigatus

<400> 16059

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tcgcaagcac	actccccaac	tcacagtcaa	tccccagcc	agcaccgccg	ccagcccgtc	180
ctacattttac	gtagcggctc	ccgtcatgtc	tccccagccg	gccaaagcgc	caccatgccca	240
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<210> 16060

<211> 468

<212> DNA

<213> A.fumigatus

<400> 16060

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 <212> DNA
 <213> A.fumigatus

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<210> 16062
 <211> 2730
 <212> DNA
 <213> A.fumigatus

<400> 16062
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<212> DNA
<213> A.fumigatus
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<211> 1773
<212> DNA
<213> A.fumigatus
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<210> 16065

<211> 453

<212> DNA

<213> A.fumigatus

<400> 16065

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<210> 16066

<211> 528

<212> DNA

<213> A.fumigatus

<400> 16066

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<210> 16067

<211> 393

<212> DNA

<213> A.fumigatus

<400> 16067

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<210> 16068

<211> 348

<212> DNA

<213> A.fumigatus

<400> 16068

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gtcattgctg	agaatagtgt	caatgagagt	tggattgatg	aagcgaggaa	agctgagcta	300
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<210> 16069

<211> 297

<212> DNA

<213> A.fumigatus

<400> 16069

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gtcgcccgta	tccttgagat	gcccccaatg	cgagtttacg	aaatcgctac	cttctacacc	240
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<210> 16070

<211> 186

<212> DNA

<213> A.fumigatus

<400> 16070

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agtgtcggcg	acactgaggt	acaaatgaac	tcggccaaga	tcgagcgatc	catcggtttc	180
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<210> 16071

<211> 357

<212> DNA

<213> A.fumigatus

<400> 16071

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<210> 16072

<211> 189

<212> DNA

<213> A.fumigatus

<400> 16072

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gagatcgagg	gcgtatcgac	ctggaaaata	ctgctgaggc	aggtttccaa	tagtctaact	180
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<210> 16073

<211> 453

<212> DNA

<213> A.fumigatus

<400> 16073

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<210> 16074

<211> 471

<212> DNA

<213> A.fumigatus

<400> 16074

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<210> 16075

<211> 234

<212> DNA

<213> A.fumigatus

<400> 16075

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tgtggtgata	agaagaagaa	tagccacaaa	aatgatttag	atcccaacgc	tgttgacaaa	180
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<210> 16076

<211> 1374

<212> DNA

<213> A.fumigatus

<400> 16076

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<211> 255

<212> DNA

<213> A.fumigatus

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<210> 16078

<211> 423

<212> DNA

<213> A.fumigatus

<400> 16078

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<210> 16079

<211> 1638

<212> DNA

<213> A.fumigatus

<400> 16079

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gctgtgggat	acatgcattc	aaaaggagtc	agtcaccggg	acatcaagcc	cgaaaacatg	480
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tacaaagggg	tcaccaagct	ctcgacaact	ttttgcgcca	gtcctccgta	cattgctcca	600
gaggtcatat	cgtgtagcaa	ccgcggtcag	gtcaagggag	cggttatatg	cccagattta	660
gtggatatct	ggtcgtgtgg	gattgtactc	ttcgttttac	tggcgggaaa	cacgccatgg	720
gacagtccga	cagacagcag	ctacgagttt	catgaatacc	ttgcgacaaa	cgcgcgaaacg	780
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aacgtcgacc	ctagtaacag	attctctctt	gaggatgtgc	gacgccatcc	ttggtttacc	900
cgacagaatc	ggtaccttgc	tctagatggc	aagctcagag	atcctatcaa	tctagcgacg	960
actatgttcg	aatcactgca	tatcgatttc	agccaggatc	cgctttctcg	acctcacagg	1020
actagcagct	ttgaccggga	gcagatgagg	tttgacgacg	gagatttaaa	tacggaaccc	1080
agaatctcct	ccactcagcc	agaaatgccg	agggccgaga	tgttggtaga	ctgggataca	1140
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gacatgttac	tggcgagcta	tctagaagat	gagccctcca	tgtcgcaatt	ttcgccctcat	1260
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gaagctctcc	accgcttggg	ggttcctggt	cctagtgtgc	ccgcggttcc	tccaggagac	1440
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gtagtccctg	aatgcgtttc	agacgggctg	tttgagattg	agtttatgaa	agtaaagggc	1560
gacctcttag	aatggcgacg	atttttcaag	aagggtggctg	tcctctgtaa	ggatgccgtc	1620
tacatacccg	ataattga					1638

<210> 16080

<211> 429

<212> DNA

<213> A.fumigatus

<400> 16080

attaatgtgg	acaatcgtgc	aggggtatat	tcgtcatcca	aagcggccgt	catgcagatc	60
tccgagacgc	tgaggttgga	attggccccc	ctgggcgtcg	gcgttggttg	cctgatgggtg	120
ggcaccgtta	gcacctcgtt	tcatgagaat	gagccgcggg	tggttttgcc	cgcgggctcg	180
cgctatgcgg	ccatcagggg	tgtcattgcg	cagtgggcga	cgggccagtc	ggggccgaag	240
gggtgctcgg	ttgaggagtt	tgcagagtcg	attgtagatg	atgtggtggg	ggccagcggc	300
agcggcagcg	gggggttggt	ctggaaggga	ccaaatagtg	ctgctgtagg	gatcttgtca	360
cgctgggtgc	ccgtctggct	gttggtgagt	cattgggtta	cgtttcctcg	gttgaatgtg	420
tctcgctaa						429

<210> 16081

<211> 318

<212> DNA

<213> A.fumigatus

<400> 16081

ggtaatgata	atcgctgtga	atattgtatg	tatgtttgta	tgattcattc	acatgcttct	60
ggtaacactt	tcgacctgtt	ctctcaactg	ttgcctcgag	acggacagac	cggcccgtcc	120
cctgcaaggc	ttcggttgcc	ttcctgtcca	gttcagtcgg	tcaatttggc	ccctcgcgtc	180
gtgttcgact	ttctccgata	tttgatgatg	tcaataagac	agacaggatt	ctcgatagat	240
tactccgaac	tgccaacggc	aaccatcaag	caagtgcagc	ccgcgcctca	ctttagttac	300

318

<211> 549

<212> DNA

<213> A.fumigatus

<400> 16082

atcgccaat	atacgactgc	aatgcccaca	accaagtcca	tcttcataac	cggtctctcg	60
gccaacagca	tgggcgcagc	tctcgccctc	tccctcgcca	aacgaggcca	ccatgtcttc	120
gccaccgcc	gtccccccgc	taagatcccc	tcccactga	ccaccctctc	caatgtcacc	180
ctcctgcagc	tgcagctgac	atctccggcc	tcggtcgctg	ccgcgcgtcca	ggccgtgcag	240
gatcacggcc	acgggctgga	cgtgctggtc	aataacgcgg	gagcggggta	taccgtcccc	300
ctgctggatg	cggacctgga	acacgcgaag	cgagtctacg	agacgaatgt	atgggggtgtg	360
gtacggatga	tacagggatt	cgcggaacctg	ctggttgccc	gtcggggggag	ggtagttaat	420
ctgagcagtg	tgggggctgt	agtgaatacg	ccttggaattg	gtatctgctt	tcccctcttg	480
tcaatttttt	ttttttttct	tctctctcat	atcaggtctga	ctgctgcttt	cggctggata	540
tcaatttaa						549

<210> 16083

<211> 579

<212> DNA

<213> A.fumigatus

<400> 16083

gatgtcccg	gaaccaggg	tgggtttgcc	accaatggga	agaggtatgc	atttcttcgg	60
cctgaaatca	caccgcggac	agttactacg	attggcaggc	aattgtcggc	cgtgacgaca	120
catgcttcga	ccgtcgccat	gctcaacgcg	acgtatcgac	aatggagagc	tagtttggcg	180
gccatcgagg	acgtccctgg	cattgtgtgg	tccgtctcgc	tggagccgct	cccaccggcg	240
atctatgctc	gggctttctac	gacgaattgt	ctgggtctct	cgcagacttc	tggcgccctg	300
gttgtcacc	tcctcaatgc	tacgtgggag	gatgaggcgg	atgatgcaa	ggtggagcag	360
gccgcgcgcg	cctcgtttga	cagaatcgaa	gacgacgcgc	gccagttgga	tgctacgag	420
ccatacgtgt	atctgaacta	cgcgcgcgc	tggcaggacc	cgatcgcttc	ctatggaaag	480
cgcagatgct	agaagctgca	cgcagtgagc	caggccgtgg	atccaaaggg	ggtcttcaag	540
aaccagatgc	ctggtggttt	ccaacttcct	tcccaqtag			579

<210> 16084

<211> 207

<212> DNA

<213> A.fumigatus

<400> 16084

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ctcaccaaca gccagacggg acaccagcgt gacaagatcc taacagcagc actatttggg 60
cccttcacaga ccaaccccc gctgccgtg ccgtggccc ccaacacatc atctacaatc 120
gactctgcaa actcctcaac cgagcacccc ttcggtcccg actggcccggt cgcccactgc 180
gcaatgacat ccctgatggc cgcataag                                     207
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<210> 16085

<211> 540

<212> DNA

<213> A.fumigatus

<400> 16085

caagagggga	aagcagatac	caatccaagg	cgtattcact	acagccccc	cactgctcag	60
attaactacc	ctcccccgac	gggcaaccag	caggtcgcgc	aatccctgta	tcattccgtac	120
cacaccccat	acattcgtct	cgtagactcg	cttcgcgtgt	tccaggtcgc	catccagcag	180

ggggacggta	taccccgcctc	ccgcgttatt	gaccagcacg	tccagcccgt	ggccgtgac	240
ctgcacggcc	tggacggcgg	cagcgaccga	ggccggagat	gtcacgtcga	gctgcaggag	300
ggtgacattg	gagagggtgg	tcagtgggga	ggggatctta	gcgggggagc	gggcgggtggc	360
gaagacatgg	tggcctcgtt	tggcgaggga	gagggcgaga	gctgcgccga	tgctgttggc	420
cgagcagccg	gttatgagga	tggacttgg	tgtgggcatt	gcagtcgtat	attggacgat	480
ttagtcgcga	tggtgtatct	gtctgtctgt	ctgagattga	gattgagatt	gacaatgtga	540

<210> 16086

<211> 192

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (63)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16086

gctggcttac	acgcagatga	agatcgcact	ctgggtatat	gtggtgtccg	aggtggtgag	60
canctgaatg	cgaaaaacaa	gtgcgatgac	gctggcgacg	attccctgc	acctactcag	120
tgtctcttcg	cgtttctgg	atcgggggg	ttcacgtaca	tcattggcgg	cgaaaagatg	180
atcaagagct	tc					192

<210> 16087

<211> 510

<212> DNA

<213> A.fumigatus

<400> 16087

ctcagggggc	tactatggcc	ttgggaaaca	tgtctgggtg	gtcgaaatgg	acaatgtgat	60
cgtcgtgatg	caggatggc	caagcaaacc	cgtgcaattg	atgagacgga	tggactgatt	120
attcaacagc	ttctgttagc	atatgtctc	atctatgtcg	ttgctattcc	cttgatcaag	180
ctctctatca	tctgttcta	ccgcgcgcatc	tttggcatga	actgggtgat	gtggatttgt	240
gtactcttga	ccgttggcta	ctggttctca	tgcactgttg	cgttcctcgt	ttgttgccga	300
ccattatcat	attactggac	acagtatcgg	gaccccgccg	ggggcaaata	tatcttcaac	360
ctctacccat	tctacatcgg	caacgcggcg	gccaacgtcg	caacagacgg	tataatcctg	420
atggttccca	tccctctggt	ctggaaactc	cagatgcgaa	cggcacagaa	ggtcctggtg	480
tccagtatct	tcctattggg	aggattgtag				510

<210> 16088

<211> 216

<212> DNA

<213> A.fumigatus

<400> 16088

tctgaatcgt	cccagaacca	ccaccaggat	ctcaccgtac	tactaactct	cttcgaattc	60
tctatcaaag	gtcaaaaaat	gttctctaca	aaccagctg	acgtatccgc	ccgcctaagc	120
cttgaaggct	tgcgtctcga	acctgcagcg	aagtactccc	tctctccata	tccaatcctc	180
cagcgttatt	tagccgacac	ttctctgat	ccttga			216

<210> 16089

<211> 342

<212> DNA

<213> A.fumigatus

<400> 16089

tatcatttag	atagctatgt	cttcccat	gagccaaatc	ccaattggtc	caagttctat	60
gtcagcggac	cagagatcca	agactacatc	gtcaagacca	cggacaagta	cggtctcaga	120
gacaagatca	cattcaacac	gaagcttcta	caggcggctt	gggacgaagg	agacgggaag	180
tggaaactca	cgctggaaca	gggaggttca	ctcatcgagg	acgtcgccga	catcgtagtg	240
gacggcagtg	gcatacctaaa	gtacgcaact	atcacctctg	ggcgtcacgt	aagagactta	300
cttggggacag	tcaatggaaa	tggcccgatg	tcgagggatt	ga		342

<210> 16090

<211> 276

<212> DNA

<213> A.fumigatus

<400> 16090

cgacataggg	atccggacta	cgactggaca	ggaaagggaa	ttgctgtcat	tggcaacgga	60
tcttctgctc	tgcagatcgt	cccagaactc	cagccaaaag	ctgcaagaat	tgtcaactac	120
atccgccgcg	cgacctgggt	gtcgacgaat	ctctgtggca	atctgaccaa	agatggcatg	180
ggcagcaact	ttgaattcac	aaaagaggac	aagcagcggt	ttagagatga	ccctgaggag	240
tttctcaagt	accgcaaagt	cgtcgaggcc	tcgtag			276

<210> 16091

<211> 474

<212> DNA

<213> A.fumigatus

<400> 16091

tatcccccca	gggtcaactc	tgttttccga	ctcatgctct	ccggctccga	agagaaccgg	60
ttctctgttc	agctcgctga	cagcgttatg	cgagcccggc	tgtccaagga	cccagagcta	120
gccgacaagc	tcatcccaaa	gtatgaaatt	ggatgccgcc	gtctcagccc	cggagacggc	180
tatctcgaag	ccctgcaggc	agacaacgcg	gagattcgct	tcgacagcat	ccaacgcatt	240
accgagaccg	gtattcagac	agacaaaggc	atcgaggagt	ttgacctgat	cgtctgcgct	300
actggattca	acgcctcttt	cattcctgcc	tgggatctcg	tcggccgaga	cggacgccgt	360
ctcgacgagg	agtgggaagga	gaagcctgag	gcataatttt	ccgtctgcgc	cgccgggtatc	420
cccaactact	tcattgtttgc	tggcccgaac	tgccttgact	acggcatcta	ctga	474

<210> 16092

<211> 312

<212> DNA

<213> A.fumigatus

<400> 16092

aaagtgacaa	ctaccagcaa	aatgccttca	aaggaatcat	tctcagcttc	aaatggccac	60
ctccaggatg	gctgggtctgt	tgaccctaagt	caatttgctg	ttacgcctcg	aaagctccgg	120
gtgggtttgca	taggcgcggg	tttctcgggg	ttggtcctgg	cgtacaagct	gaagcatgag	180
agaccaatag	actttgttga	ttatactatt	tacgagaaga	atccagaggt	tggagggacg	240
tggtagcaga	atgtctatcc	cgggggttga	tggtttgctc	ttagctttct	ctacgttggg	300
agtatccgct	ga					312

<210> 16093

<211> 204

<212> DNA

<213> A.fumigatus

<400> 16093

ctacggcatc	tactgacgta	ttccagatcg	gtcgtcgctca	aagactccgt	tgtcagtgc	60
tacaacatct	acgcgcagga	gaatcttaaa	cgcgccgtct	ggtccaaggg	ctgccatgcc	120
tggtagacga	agaagaccac	gggagagggc	gtcacgggtca	cggcaatgta	tccgggaagt	180

gtcttgcaact acaaggggtga gtga

204

<210> 16094

<211> 297

<212> DNA

<213> A.fumigatus

<400> 16094

tctcagaaat	actctgcaag	tcactatcag	catgagcagc	atgagcagca	tgagcagcag	60
gttctaaaca	acctcagacg	acctcgagat	actcccctaa	agccccctcc	gtccactccc	120
acaacttctc	cgccaaagca	tcactgcctg	cgcgcctatg	cagcttcccc	agaaccccca	180
cgggtcata	aaaccccccg	ttcaccaact	cctcttttccg	cgccgtcgcc	gccccaaagct	240
ggttatacgc	accctcctcc	ggcttcatca	actgaccaat	attcgtcaca	tagataa	297

<210> 16095

<211> 207

<212> DNA

<213> A.fumigatus

<400> 16095

ttgaaaatgg	caaacatcag	aaacatccgc	catccaatgt	tctcgatcgc	gtgcggcgctc	60
acttgcgaca	tcataaagtt	gaacagccac	tgcgagcgcg	ccccaccgt	cactcccacc	120
tcgcgcgtgc	gactcgagaa	gatttcccc	acgtacagcc	atggcagtg	gccccaggac	180
atgttgaagc	taaacgcctc	ggcatag				207

<210> 16096

<211> 915

<212> DNA

<213> A.fumigatus

<400> 16096

gacctgcatg	gactccctca	gctggcaaaa	caccctaaca	atgtaccagg	aacagccggc	60
gtcggggccc	cgacgggtact	ccatctagcg	aaacacactc	atccgcccgc	acacatctac	120
atcagcggac	ggaacgcccc	gcgcgcggac	gacctcatca	aacaagtatc	ggcttccaac	180
tcggccacac	gcctctcggt	cgtcccctgc	gacctggcat	ccctcgccctc	cgtcaacgaa	240
gcagcagaag	cagtcctccg	gcgatcgctc	cgactcgaca	tcctcatgtg	caacgcaggc	300
atcatggcac	agccgcgcgc	gctgaccaa	gacggctaag	aggtgcaatt	cgggaccaac	360
catctcggcc	acgccttgct	gatccgacgc	tgtctgcgcg	tcctgcagcg	caccgcccag	420
gaatcttccg	acgcacgcac	cgtcatcctc	tcctcgtag	ccttcggggg	ccaccctac	480
ggcgggattg	tcttctcgga	cctcaaaacc	gtccagcatt	tcaccgcctg	cgccctcggc	540
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cggcgggtacc	ccgccatcac	ctgtgtgtcc	atccaccccc	gtgtggtgag	cacggggctg	660
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ttggtgaacg	gggggtttta	tgagccgggtg	ggggttctgg	ggaagctgca	tagggcggca	840
ggcgatgatg	ctttggcgga	gaagttgtgg	gagtggaagg	agggggcttt	aggggagtat	900
ctcgaggtcg	tctga					915

<210> 16097

<211> 270

<212> DNA

<213> A.fumigatus

<400> 16097

gttgacattg	ccgctttcat	gcagcttgtg	tcccagacta	cgagaaaggc	tacaggctac	60
gagacactgc	gcaagatggg	caaaagactg	ggcctgctgc	gggccattta	tctggtgtcg	120

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gccagttgca tgggctcgtt tgettttgcg tttgacactg gggtaatcag tgcgttgcaa 180
tccctagtcc ctatcagaga agaaaaaaaaa gaaaaaaaaa agaaaaaaag aaaaaaaaaa 240
aaagaaaaga aaagaaaatc ggccagctaa 270

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<210> 16098
 <211> 1341
 <212> DNA
 <213> A.fumigatus

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<400> 16098
ccaacaggcg gcgttctcac gctggaatcc ttccaaaggg acttttcgata tactcaagcg 60
cagaaaacca ccgtcaactc caatgcagtg tcgattcttc aggcgggcgc gtttttcgga 120
tgcttcttca ccaccccggt ggccctcgcg ctcggtcgcc ggacggggct gatcatcagc 180
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ttttacgcgc gccgcgtgat tgccgggggtg gggatcgggg ccgcgacggt gctgatcccg 300
atgtacgcgg cggagatgtc gcccaaggag gtccgcgggc ggctgggggc gtgtttccag 360
tggttctttg cgtgcggcgt catggtcgcg tactgggtga cgtacgcggt gtccaaggac 420
cagccgtccg ccaccaagca gtggcagatc gcgctggggc tgcagctgct gccgtcgacg 480
ttgctgctgg cgggcatgtg cacgggtcaag gagagcgcgc ggtggctagc ggcccaggga 540
cggaccgacg ccgcgtggga ttgcgtgcga tgggtgcgcg gcggcgagga gacggccgat 600
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aactggacgt ggcgcgagct gctgctgccc gccaatcggt accggatctt catcgccgtc 720
acgatccagc tgtgtgcgca gctgacgggc aacacctcgc tggcgacta tgcgaccag 780
atcttcgcgg cggtcggcgc gggcacgtcg gccaaagctg tgcgggatt ctctggcggtg 840
gtcaagggtg tccgggtcag tgtcttccag ctgttggtca tggatcggat cgggcgcaga 900
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cacgcgatcg agaacattgg atggcggatg tttctgatgt ttgccatttt caactattcc 1260
attatcgggt attcatggtt ctttttgcgg gaggtcagtt ttccctctgt cettgtcctc 1320
gttggtcact acgactcata a 1341

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<210> 16099
 <211> 411
 <212> DNA
 <213> A.fumigatus

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<400> 16099
ctggggccct cattccacta ccaggctgat aagatatcct tatattgcag tgccataacc 60
caacttatac agcaggcttt gctatcttca agagtgtggg aacacggttg caagatggtc 120
gtttccaca agaccgagaa atccgggtcca gcaaacgtcc tcgcgggtga cgatgccgtg 180
ccacaagcgc gaggacagca aaggagctc ccacagcagt tctcggcgag ctcagctcta 240
tcatttgctt atgttatcac aaactcctgg gttggttatt ccggaacctt cccaactgcg 300
ttaatggctg gtggaggggc cgtgtgttcc tatggcggtta tagtggcggg gatcgtgtgc 360
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<210> 16100
 <211> 198
 <212> DNA
 <213> A.fumigatus

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<400> 16100
ttcgataatg ctgtctcagc cctgggtctc gccgagttgg catcggcggt tccgtccagc 60
ggaggacagt accatttcac ctatatggtt tcgtcaccaa agactcgaac accttgtgcg 120

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ttcgtatgtg gctggctgag ctctcttgcc tgggtgtctgg ccacagtgtc tggcaccatt 180
 tttatcggta tgtcatga 198

<210> 16101
 <211> 906
 <212> DNA
 <213> A.fumigatus

<400> 16101
 gaattctctg agcaggctcg acttacgatg agaagctcaa gcgattcttg cgctcgggtc 60
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 cataatcctg gcaacggcaa tggtttgtct tctcgtcac tggttgccgc gattgcagga 180
 ggatcatgtt tggagcagca tatctgcctt tgtggcgtgt cttgccgcgg ttctcgggat 240
 gagcaaaagc aagcagtctg cgcgcgttgt tttcaccagc taccagaacg agacgggatg 300
 gcccgacggc ttgtcgttcc tcatcggact cgggacctgt atgtacatgt tctctgctac 360
 cgacgcagcg acccatatcg ccgaggcatg tctcatgact tcccaatggc tgcacctcga 420
 aaaaagactg actcttcgca ggaggtcccg gagccaggcc ggaatatccc caaggtgatg 480
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 caagcaacgc gcagcaaga cgtcacccgc attttcacca tctggctgat tttcaactac 660
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 gacaacgggc tgccattttc cggaacgta gccactgtgc atccgcgatt ccaaacgccc 780
 gtcgcctcga ccgttgccctg cgccgtgctg atggccctgt atggctctcat ctacattgca 840
 tccagcacgg catacagcag catcgtctcg atggtcttca ccacgggggt cgaaggatcc 900
 gagcta 906

<210> 16102
 <211> 498
 <212> DNA
 <213> A.fumigatus

<400> 16102
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 gcgggtcgat cgagggcggt cttctttgtg ttatccagtt gggaacgttt atcgggtacg 120
 tggaaaccggc tcagaacagt agctagtact cacggcatca gttactacga agactcaccg 180
 aatgagtaca ccttcgactc cgcaaacacc tatctcacag gcctgggact tggcctgttg 240
 gcgtcgacgg ctgtctctct ctccccgacg ctggcggaac ttcccttggc cggggcagag 300
 gtcgtgcgcg tggctttccg tcttgaggatg ctggttgccg atgtctctca gaatcttcaa 360
 cccgctgatg cgacaggcga acgagactca tgggcctacg tgattcccaa tgcgctcct 420
 aaggaagccg aagaggagct ggctgttatc cacacgcgca aagtgagttc cactggagtg 480
 ttaccgtata ccagctaa 498

<210> 16103
 <211> 702
 <212> DNA
 <213> A.fumigatus

<400> 16103
 tctcgtctac cttggcaggc tccctcgatcg agctgtctca tgttctgctc actcactggc 60
 atggtgatca tactgggggc gttccggacc ttctccggat gtatcccgac ttgtccgatt 120
 cgatctacaa gcataccctt ggcaagggcc cagaagccta tctcagacgg acagaccttc 180
 cgtgtggaag gcgctactgt ccgtgccgta cacacccccg gccactcgca tgaccatattg 240
 tgtttcatcc tcgaggagga aaatgccatg ttaccggggg acaacgtcct gggccatggg 300
 agcagcgcg tgcaggtgct tagtacctgg atgtcttcat tacggatgat gcagtcgctt 360
 cgctgtgcgg tgggggtatcc ggcccacggc gcagtgatac ggcacctgcc aagcaagctg 420
 gacctagagc tcacgcagaa ggcccgtcgg gaggacaggg tcgtcgagac gttgaagcag 480

atgaagacag	aggaccaacg	gaacggagca	cgggggaaag	gcagcgtcac	cgtccagcaa	540
ctggtgacgg	ccatgcatgg	acatgatttg	gatgagcagg	tgcggacaat	ggccttggag	600
ccgtttgttg	acgaggttct	gcggaagctg	gcgcaggatg	accgggtggc	gtttgagggt	660
agaggaggcc	agaaaaagtg	gtttgcaatc	gaatacacct	aa		702

<210> 16104

<211> 204

<212> DNA

<213> A.fumigatus

<400> 16104

tctgcagctc	gcattttgag	atacctgtgt	tcgatcggta	ttttcaagca	aaccgggccc	60
gatacctttg	caaacaatag	gatttcggcg	gcactgggtg	cgaatgagcc	cttgccgcgc	120
tacgttcagc	tggtgaatag	tgagggtctc	acggcctccg	tcttcaccga	caggggctgg	180
aaggacacgc	gttcacgcgc	cga				204

<210> 16105

<211> 468

<212> DNA

<213> A.fumigatus

<400> 16105

cggacacgaa	taaaacacca	caagatggaa	cggcaaccaa	agtctctctg	cgacgcgacg	60
caacttcttg	agactgccaa	cattatctct	gacaccgtcc	agaccatcat	tgcggaatgg	120
tcggcggagg	cgaaggcacc	acaaggctct	ggcaagcaaa	atgctccaat	gcttcctagt	180
cgggaactgt	ttgatgctca	gcggaccatc	ctagccgcgg	ctggcaagct	gaccgagttg	240
gtgtcggatc	cgagcgcacg	gatcctggaa	gtagcaacgc	agtttcagga	atcccgatcg	300
ttgtatatcg	ctgctgagcg	gcgcattccg	gacctccttg	ccgcggggga	tgagggcggc	360
gtgcacatcg	accagatcag	ccagaaggct	aaaatcgaa	cccgaagct	gggtgagtct	420
gcacctgaga	tgagggttac	gagcaaggct	tccctctcct	ggcgataa		468

<210> 16106

<211> 822

<212> DNA

<213> A.fumigatus

<400> 16106

gtttttgcgt	acggacatgt	ctatatgctg	gccctccatc	aaacccaacg	gggcgtgccg	60
tgttcggaa	tccatgatgc	tctcgggcta	cagggagctc	ggtcgatata	ctttggacgt	120
ccgactggtc	ggtcaattct	ctcagatcca	attaggccga	ggccgatgcc	cactgtaaca	180
gtgatcattt	actctgacat	tcgcttccca	ttagaatttc	cctcggtatt	tctttgcgca	240
tatgtccccc	cagtccagag	aacagtaatc	atggccaatg	agaaacgagg	aggatatcga	300
caaatcaacc	aagcgtgaa	tatatgtgcc	tgggagggct	atlttgatga	gcagcacgca	360
cggctgcccc	ctcttgagga	tgtcgaacaa	atcagccccc	gcgtgctgcg	tgtcctgggt	420
cagaatgaag	gcgaggtacg	catagccgac	ggctactata	catgtagttc	ccggctgatc	480
gaaggacctc	agttcacgct	ccaaggaaca	aacacttata	tcgtgggcac	cggccgtcac	540
cgtctgctca	tcgacacggg	acaggggatt	cccagtgagg	ccagcctgat	ctcgtctacc	600
ttggcaggct	cctcgatcga	gctgtctcat	gttctgctca	ctcactggca	tggtgatcat	660
actgggggcg	ttccggacct	tctccggatg	tatcccgaact	tgtecgattc	gatctacaag	720
cataccctcg	gcaagggccc	agaagcctat	ctcagacgga	cagaccttcc	gtgtggaagg	780
cgctactgtc	cgtgccgtac	acacccccgg	ccactcgcat	ga		822

<210> 16107

<211> 852

<212> DNA

<213> A.fumigatus

<220>
 <221> unsure
 <222> (51)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16107
 ttccgtaatt cagtggaacc atcaaaaggg gaagccataa ggagctcttt nacgatcaac 60
 gggaaagcag cctctctcgc acagttcaaa aattcgcctca gttcattcgc cattcaaadc 120
 gacaacttgt gtcaattctt gccgcaagac agagtgcgag agtttgctgc gctgactcct 180
 gtggaattgc tccattcaac gcagagggcc gctgctgggc cagagatgat cgagtggcat 240
 gagagtctga agaagctccg agctgaacaa aagaagttgc agttagataa ccagagtgc 300
 aaagatttac tagcaaatct tgaaaacaga caggaaatgc agcgagtaga cgttgagcgg 360
 atgcggcaac gggcccaaat taagaggaaa atcgagatgt tagagcatct ccgaccagtc 420
 attcaataca gagaggcccg caacgagctg aaccagaaga agaccgagca aagaagactc 480
 cgaaaagagc tcgaggattt ggaggctgaa ctacgacctg cactgagagc ggtcaatgtg 540
 aagcaggact attgctcgaa gttggatgaa gtggtcaagt acaagaagcg atgcttcgaa 600
 caggcagacc gcgacgctat ggagatcgtg aagaaaattg aacaatttga cgatgcgctg 660
 aaggatctta ataaccaaata tgaggctgaa aaaaaaacag gccagagtta caggcagcaa 720
 gcgaccaaga tccagcagac gattaacagg ctcaatcgcg agctcaatga acaaccggcc 780
 gagtttgata tcggctggta taatgagagg attgtgggtg cgcgcttcga gtgtgatcag 840
 aacgtatgct ga 852

<210> 16108
 <211> 924
 <212> DNA
 <213> A.fumigatus

<400> 16108
 ctgtcttctc agaaagaaaa gcgtctggcg accagagagc ttgaggcgaa agcgactgaa 60
 attcagcaag ctgcactgcc gcttggttga gagctcaagt cgaagaacga ccagattaga 120
 cgagcagagc aacagctgca gactctcgcc tcccaatctg ggcagcaaga agccaagctt 180
 cgtaaggcat cagcagattc gtatcaagct tacaagtggg tgcaagacaa tcaggataag 240
 ttgagaagg aagttttcgg accgccaatc gtcacctgct cgggtcaaaga ccccaaatat 300
 gctgacgcgg ttgagtcatt attacaaaga accgatttta ctgccttcac cagcgact 360
 cgaaatgact ttccgacctt gcaaagagcc ctgatcatag atttaaggct tcatgacatt 420
 agtatcagga cttcaacaac acctctggaa agttttcgtc caccctctc ggacgaagag 480
 ctaaggacgt tggattttga cggttgggag aaggactttc tcagcgggtc cgagcctgtg 540
 ctgcgcgttc tatgtagcga aaaccggttg catcaaacc ctataaactt gcagggcatc 600
 tcggacgaaa cattcgccac attggaaaat ggttcgatca gttcctgggt agctgggaag 660
 caaaactacc agattgtccg gagacgggaa tatggccccg gtgcgggttc taccctgtg 720
 agacaggtta gaccggcgca gatctggacc tccaagcag tggatgttct agggaagcaa 780
 gagatagagc gggaaattct tgccttgaag gacgaactaa gtcgagtaaa agaaaagatg 840
 gaatcagagc ggagccgact ccacaggatg ggtgaagaga agaaggaact agatcgtgag 900
 agggtaagtc aacggcaatc ctacg 924

<210> 16109
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 16109
 gagggttaagt caacggcaat cctagaactc ttacttttgg ctactcttt ccaccaggct 60
 acacttgaaa aggagaaagc cgagaaacag acggcactta tcaactatag agctattcct 120
 gaaaagattc gtaagtcgtc caatctacct attctctcgt ctgtcgatcg tcctcgtctc 180
 acgtcacgaa aatag 195

<210> 16110
 <211> 1110
 <212> DNA
 <213> A.fumigatus

<400> 16110
 caggacactc aggatgctgt tgagaacctt cgcagactac aggaggaagc tactcagctt 60
 agcatacgtc ttattgaggg cctttcggat tgcacgacgt tgagagagcg cagtcaacat 120
 cacaagatga ggctagacca gaagtcttcc gaggtgaaaag cggcgcatga agatgttaaa 180
 actcgatctg aagctgtaag gaaaatggtc gatcaagcaa acagagcgat acggctcgtc 240
 aacgagcaag aggacttgcg tgaattcatg cccacactgg ttgagtatac tttggagcag 300
 cttgaagcgg acattgattc agaaagagca catctagaac ttgtgcaagg aggcaacgca 360
 aatgtgatta aggagtttga ggaacgcgaa aagcagatcg ataaattgcg agacaaagtt 420
 tccgagttcc agaatcaact tgcggagtat gaccatgccca tcaacgaaat tcgtggtaaa 480
 tgggagccca agttagagga acttgtgaag agcatcagcg acgctttctc agactccttc 540
 gtcgcgattg gatgtgctgg tcaagtcacc ttggataagg cagaggacga ggaagggtccc 600
 aacggcgagc cgggaggcag caatttcgac cagtgggtcaa tccagatcca agtgaaattt 660
 cgagagaacg agaacttata catacttgat tcccacgac agtcaggcgg agagagagcc 720
 gtcagcacca ttttctacct gatggctctc cagtcgctgt cggcctcccc gttccgtgtc 780
 gttgatgaga tcaaccaagg tatggaccca cgaaacgaac gtatggttca tggtcgtcta 840
 gtcgatatcg cttgcgctcc agcgcgcaat ggaggtggcg gacaatactt cctcatcact 900
 cccaaacttt taagcgggtt ggtctataaa ccagggtatga gagtccctctg catttacagt 960
 ggtgagcata tgccctgagga ttactacttg ctcaattttg gcggagccat caaacgcatg 1020
 agggctttga atgcccagaa gaaaggcgaa gcaagggcta ttgagggtga tgctcatagg 1080
 aacaacggcg atgttgatgt ctacggataa 1110

<210> 16111
 <211> 471
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (362)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16111
 atccgctctc gagaagtcgc aacgggagct tacagatata aagattgccc tgacgcgagc 60
 ctccgaaaag gcagtgaagg aaggagtaga caagacctct acggagacac taatcaagaa 120
 cttgcggcgg gagatcgagg aactgaaaca agaaaagtcc gaagcagaga agaagatcga 180
 cacactagac aagaaactcc aagcaatggg aaatctgcac aaagagtccg aaaccgcca 240
 ccaggcccgt ctccgcgaga gcgaaaagac cgagagagaa gcagcagttc tacggaaacg 300
 gctcgcaagc gtcgaaaacg agaacatacg attgaaagaa gacctcgagc gcctcaagga 360
 ancgcgagtc tggcggcaca gatgacgacg ccctcgacga agctcgaaag acgaaggaaa 420
 gatcgcgccc gggaacgtcc cattccgcga acctccgaaa ggacacgttc t 471

<210> 16112
 <211> 339
 <212> DNA
 <213> A.fumigatus

<400> 16112
 atcctagaac tccatttgtc tataggaaat acatatatct ttatggtttg gggatatgaa 60
 gggtcgggta ggcgtatgta tgagtggaga ctgagtactc gtagacgatc agtaagcggg 120
 tgtgggtccg gcacatctgg tggatcgggg aaagttgtcc gttccgtaca caaacaccta 180

gataagatcc	cctccaagtc	ctccccctacc	acacgtcact	gtgaataacct	cgaacgatca	240
cacaagatgg	cggacgaaga	ggagcgcata	aaggccgaga	agctggctgc	tgcgaaaaaa	300
agagtaagcc	tggaaaaccg	acatgcggac	gacccttga			339

<210> 16113

<211> 777

<212> DNA

<213> A.fumigatus

<400> 16113

tacacttttcg	aacaggtagc	gcagctccag	aaacagaaga	aaaaggccag	caagaaggcc	60
gctagcacag	aagctccaaa	ggaagcggat	acaccgaaag	agaccgccgc	ccctaccgaa	120
ggagcccccg	cagaagtccc	cgcagagggtg	aagccagatg	aaactgagtc	aatagagaag	180
gaagcgcaaa	aggaagagga	acagcaagcg	gagctggaga	ctgaatcaaa	accagaactt	240
ggagttagaa	ccgcagctga	gccagaaaag	cgccctgagt	cgccagtcga	acccatgccc	300
gaggcgccta	cctccccctc	tccagcgccg	gatgctgagc	cccagacgct	ggacgtcaaa	360
ctagataccc	ctcgcgcggg	ccatactcgg	caaccgtctc	tttcaatcca	gtccaagatg	420
cgctcgctgt	catttcgaaa	aggctccgtc	tctcaaggaa	gtgcctcgac	gtcaccatcg	480
aatgccttga	agtcgccttc	tttgccctct	ttgaccggta	acgggtgattc	cgtgcacgag	540
gtttatcgga	aacagtcgat	gcggattgag	gagctggaga	aggagaacaa	gcgactagag	600
aagcagctgg	aagagtcgac	gagccgggtg	cggaagacgg	aagagcagct	tgaggatctt	660
cgggaaagcga	gcgtcgatgc	ggcggagttg	agagataagt	tggagaaatc	cgagcagaaa	720
gcggcgaggga	tagacgaatt	ggtgtggttt	tgtctatatc	caagcaagca	ttgttaa	777

<210> 16114

<211> 660

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (637)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16114

cctagccaac	agaaggcaga	gatcgccgct	ctacagaggc	agaactcgca	ccttcaaaat	60
cggtcgacac	gcaacaatgc	cagcatctcc	gtgccagttc	cgctcagagtc	gcctcctgcc	120
gaccttgtag	aacagcttga	gtccaagtcg	gctaccatcg	aggccatgga	actagagatt	180
tctaattcttc	gtgcgcagct	ctcggaacaa	tcctcatcca	gcagtgtctca	cgagggtcag	240
atagctgctt	tgggaagagag	actctctcat	agtgaatccg	ctctcgagaa	gtcgcaacgg	300
gagcttacag	atacaaagat	tgccttgacg	cgagcctccg	aaaaggcagc	gaaggaagga	360
gtagacaaga	cctctacgga	gacactaatc	aagaacttgc	ggcggggagat	cgaggaactg	420
aaacaagaaa	agtcggaagc	agagaagaag	atcgacacac	tagacaagaa	actccaagca	480
atgggaaatc	tgacaaaaga	gtccgaaacc	cgccaccagg	cccgtctccg	cgagagcgaa	540
aagaccgaga	gagaagcagc	agttctacgg	aaacggctcg	caagcgtcga	aaacgagAAC	600
atacgattga	aagaagacct	cgagcgcctc	aaggaancgc	gagtctggcg	gcacagatga	660

<210> 16115

<211> 597

<212> DNA

<213> A.fumigatus

<400> 16115

gagacggagc	cttttcgaaa	tgacgacgag	cgcattcttg	actggattga	aagagacggt	60
tgccgagtat	ggcccgcgcg	aggggtatct	agtttgacgt	ccagcgtctg	gggctcagca	120
tccggcgctg	gagaaggggga	ggtaggcgcc	tccggcatgg	gttcgactgg	cgactcaggg	180

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cgcttttctg gctcagctgc ggtttcaact ccaagtctctg gttttgattc agtctccagc 240
tccgcttgct gttcctcttc cttttgcgct tctttctcta ttgactcagt ttcattctggc 300
ttcacctctg cggggacttc tgcgggggct ccttcggtag gggcggcggg ctctttcggg 360
gtatccgctt cctttggagc ttctgtgcta gcggccttct tgctggcctt tttcttctgt 420
ttctggagct gcgctacctg ttcgaaagtg tatcagccgt cagccagttt ctctcaaggg 480
tcgtccgcat gtcggttttc caggcttact cttttttctg cagcagccag cttctcggcc 540
tttatgcgct cctcttcgtc cgccatcttg tgtgatcgtt cgaggtattc acagtga 597

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<210> 16116

<211> 234

<212> DNA

<213> A.fumigatus

<400> 16116

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acgttttgc tcatgtatat ccattatcat tattacttca ttacttcagc ctcatacaac 60
gtaaaagacc acaagagtac tgaaggagat ctggagggtga cctgctataa tgacaagctg 120
tctacaaagg aagtggatgg tgtccgagac tcagtactgc gttcaactga aggaatcctc 180
cgtttttcca aaaggctctt cagcatggct gtaacgggtg aagcagctct ttga 234

```

<210> 16117

<211> 390

<212> DNA

<213> A.fumigatus

<400> 16117

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tctggtaagt acctcagtc cgcgaaatgt ttccttagag aatgcattaa tcagatacag 60
tacacttttg gatgtcccca actgggcaat catgattttg ctgagtttgt cactgctgta 120
acggcaggct ctgggtacag agtcacacat tcggatgata cagttccaag ggtcttttct 180
actcagcctt ggatcaacaa gacttggcag tatagcacia cttctcctga gttttggatt 240
accacaggaa atggcgtgcc agtcacagcc agtgatatac aagtcacga gggcattgac 300
aacaagagtg ggaaccttgg caccactggg tctgatactt cagctcatat ttggtatatt 360
ggcaacatga gcgggtgctc aactaactga 390

```

<210> 16118

<211> 510

<212> DNA

<213> A.fumigatus

<400> 16118

```

gcaccactac caccatcatc atctttttcc tctttctcag ctctcttaca ctctgtcca 60
ctctctgcaa ttccaacact acaacaatcc aaacaaccca acctctacgc actagtacac 120
ttttacattg caagcagacg ctactatctc ctcaaatgc caaagcagcg caagttccaa 180
atccacgagg ccagcagcta cagaagcttc cttctgattc gccccgacga ccccgacctc 240
ccggctctaa ccatgctcag agaagtgcta aaggctcctg aagccggcca tggcaacttc 300
tcccccgcc gggagtcctt ccctgacacc caggtaggcg atctaatttt cgagatcata 360
tccgaagata attctttcaa gggactgacc gatgctgctg tgcagtgcac ctacagcaa 420
atcgaaaact gggactacga tcaggacatg atccgatggg agcagtttgt cgagggaatg 480
gtgttgattg attataggta tctgcactag 510

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<210> 16119

<211> 471

<212> DNA

<213> A.fumigatus

<400> 16119

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actgaaaagc taacgccaag tatacatcat ccgggtaacg tcaactggctt cgtggcaatt 60

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gacaacacaa	atcaattgat	cgttctgtca	ttccgcggta	gccggaccct	aggcaactat	120
atcactgatt	caaaataacca	gcaggtgcct	gctatttgcc	cagggttgcca	agtgcataaa	180
ggctattact	gggcctgggg	aaacttttca	gcatttataa	tgcaacctat	aaaccagctt	240
gctgctatat	atccaagcta	tcagattgtc	ttcactggcc	acagttttgg	aggtgcacta	300
gctacgcttg	gggcagcact	tgagggagga	aatcctagca	gacctattga	tctggtaagt	360
acctcagtca	cgcgaaatgt	ttccctagag	aatgcattaa	tcagatacag	tacacttttg	420
gatgtcccca	actgggcaat	catgattttg	ctgagtttgt	cactgctgta	a	471

<210> 16120

<211> 222

<212> DNA

<213> A.fumigatus

<400> 16120

gcgggtgctc	aactaactga	gctcttttct	tcccgtcagg	aaaagaagat	gatgtttctg	60
tttccaaggg	tgtctatttt	gagtgccttt	gaattgaatt	ataaaaatga	cacattatgc	120
tggaccgttt	cgctcctgaa	gacttttcagg	gttcagatta	gcaaacccaa	caagatcaat	180
gacaaacttt	gcaatatcgc	tcaaccacaca	gcgtatgact	ag		222

<210> 16121

<211> 357

<212> DNA

<213> A.fumigatus

<400> 16121

tactgtcgca	ccgggtcaga	tcgaacaaga	actcatcaga	aacaggaggg	cgacgaaaag	60
gtcgaagagg	aactgctcga	cagaattaaa	actctcaaca	gogagttgga	caagatggcg	120
ccgaatacac	gtgcgatgga	gcgtctcgaa	agcgttgaaa	acaaactgcg	aagcactgag	180
aaggacttcg	atgaagcacg	caaacgggct	cgcaaggcca	agaagactt	cgaggaggtt	240
atgcgaaaac	gatcggatct	cttcaacaaa	gcgttctctc	acatctcgga	gcaaattgga	300
cccctctacc	gtgagctgac	tcgcagtgcc	aattatccat	tgggagggca	ggcgtaa	357

<210> 16122

<211> 2871

<212> DNA

<213> A.fumigatus

<400> 16122

gggtccccct	tacgcttgct	ctttgatccc	ggcggtgacg	cacttttcgga	aagtcttgaa	60
tacggagctg	actatgaacg	tcttaaagca	gaagccgagg	aggcagccga	gcagcagact	120
atccagctca	accgacggag	aggtatcaat	tctgaaatta	agcaatacca	ggagcagaag	180
cgtgaagccg	agaactatgc	taggaaggca	gaggaacgtg	atcaggccga	gatcacgcat	240
attctctgga	agctttttcca	tttccagcgg	ttgattgacg	catccagcgc	ggatatccag	300
aagtaccaag	aggagctcaa	ggaatatcgt	cgcggggtcg	agaaatacga	gaaaaatgtc	360
gagagcgcca	aggtagatca	tgcaagggtc	ggcagagatg	tggccaaggc	agagagaaat	420
attatcaaga	aggagaaaaga	tatcgaagaa	gcgaccaatg	ccttggttcc	tgtggatgag	480
aaggttgaca	tcaccaggaa	aaaggtagag	aggtttgcct	ctcggattgc	cgaaattggc	540
aaggaacgtg	attctcaggc	ggccaatgtg	aaacaattgg	aaaaggacct	caaagtggct	600
gaaaaagctc	aggcccaatg	ggaggctgaa	tggcataaga	caatgagtaa	taagggtggt	660
caactgagcg	aatctgacca	gcaggagtac	aaaatgctca	aagaagaagt	cagcaagcga	720
tcatctgcgg	agcaaatcaa	tctcgacaat	ctaaagcgcc	aaagaaagac	ggaagccgag	780
gcctacaaca	gtttgaagag	caagtttgac	tcaacggagt	ggcaactcaa	gagcgtagaa	840
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<210> 16123

<211> 450

<212> DNA

<213> A.fumigatus

<400> 16123

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gagaagacta	tggctgcgct	ggctttgctc	tttgctatcc	attcttacca	gccatcccc	180
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ggactgttcc	agaacagtga	agcactgggt	ggtatctacc	gagaccaggt	cgaaaacacc	360
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<210> 16124

<211> 195

<212> DNA

<213> A.fumigatus

<400> 16124

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cgcttcagca	ctgtgtctcg	ccataactat	atcgtaggta	gttgccaggg	gtatggccct	180
cccaagctcc	gttga					195

<210> 16125
 <211> 495
 <212> DNA
 <213> A.fumigatus

<400> 16125
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 gtccccgcca acgagatcat ggggtctcgaa gccggggagg tcttcgtcca ccggaacatt 180
 gcgaacctgg tccccaacac agacctcaac gtgatgtcgg tcattaatta cgcagtccgc 240
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 gcgctgaccc ctteggacct gggggtcctc aatccctggc tccggaatgt gcgcgatgtg 360
 taccgtctgc atgagcagga gctggatggg attcaagatg caactgcgag atatagacgc 420
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 caaaaacttt catga 495

<210> 16126
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 16126
 ggtctggcgc aaaactgggtg taccatgggtg ggtagcgtat gccacctttc ttatggcagt 60
 acattgctga cccaccgttc atgcacagac cataatgttg ctgggtttcca ttacgacatg 120
 tacgagcgaa atgaggtaca gaactgttca gcacttgcaa cccaggctga tcggcttacg 180
 gggcaaccag cgtga 195

<210> 16127
 <211> 375
 <212> DNA
 <213> A.fumigatus

<400> 16127
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 cacacagccc atttctctcc cgaccgaaa atactcgtgg cgggatttct ccaagatcat 180
 ccggagaatc atttcatctc atccccgtcc ataatggagc cctccgacca aaaagtggac 240
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 gtcgcgacga aaatgaaaga tgaccccgct tttttcgaaa agctctctgc ggggcagacc 360
 cccgaatatc tgtaa 375

<210> 16128
 <211> 336
 <212> DNA
 <213> A.fumigatus

<400> 16128
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 ggaatggact cgaccgagcg gctcattgat ttggcgattc aaactcgctt gtttagtttg 120
 agcaattgtg acggttgggc cattgctgat gagccctttt ttgttgcgga tctgggtcag 180
 gttatccgcc agcatcgccg atggagggtg aacctgccag atgtgctccc tttttatggg 240
 agtgccccc tccccctccc atcccagggt ctggcatccc tcgtcttgac gctaattgtc 300
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<210> 16129

<211> 756
 <212> DNA
 <213> A.fumigatus

<400> 16129
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 gtgaccgcca tccgggatgc caagattgtc ttcggatatg gcaagagctt agggtttgac 180
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 aatttcatga acgtactgat tgagaaagaa acagtgcggc catccttggg cgcgtacacg 480
 tggccattcc acagccgagg caatgatact cggcggaagc tcgaggagca tcgatacacg 540
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 gagatccgca taggcgattg gctcaagtac aagaatatgg gtggtgagtc cttccatgcc 660
 agactgtccg gtatagaact gaagactctg actatcctga gaagcctaca ctatagcaac 720
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<210> 16130
 <211> 498
 <212> DNA
 <213> A.fumigatus

<400> 16130
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 caacgagcac gtgagctagg gttagatgtg tgtgggggtga gtttccatgt tggtagcgttg 420
 cttccagcgc cattgtttcc caacgtattc acgagctctt atcaggagac ggggcctcca 480
 atgcatctgc ctatgtga 498

<210> 16131
 <211> 414
 <212> DNA
 <213> A.fumigatus

<400> 16131
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 cagacggtag acatcgcgca cattccggag ccagggattg aggagcccca ggtccgaagg 180
 ggtagcggcc gctttgacac cgccgcagtg gtatggccg cagacgacaa tgtgcttgac 240
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 caggttcgca atgttccggt ggacgaagac ctccccggt tcgagaccca tgatctcgtt 360
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<210> 16132
 <211> 426
 <212> DNA
 <213> A.fumigatus

<400> 16132
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<210> 16133

<211> 2850

<212> DNA

<213> A.fumigatus

<400> 16133

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<210> 16134

<211> 675

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (37)

<223> Identity of nucleotide sequences at the above locations are unknown.

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<210> 16135

<211> 240

<212> DNA

<213> A.fumigatus

<400> 16135

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cgcaagaaga	tgtgcttggc	tatcaccgag	gcatttgctg	gcagtgatgt	ggccgggtctc	180
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<210> 16136

<211> 462

<212> DNA

<213> A.fumigatus

<400> 16136

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aaaagtacgt	ttccctccac	cgttgacagt	cttcgcgaat	gtatgttgct	aaccggtgat	120
gctaggctcg	ctcgaatgat	ctctctctgc	gaatccaacc	aggcctgggt	ggaatccatc	180
gcttaccaga	tgtgcaatat	gacctatgct	cagcaagctg	ctcacctcgg	cggtcctatc	240
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cggacataca	agttcgatgc	tatcctcggt	ggcacggaag	agatcctggc	tgatctcggc	420
gtgaggcagg	ccatgaagaa	attccccaag	gcggtgctgt	ag		462

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<210> 16140

<211> 201

<212> DNA

<213> A.fumigatus

<400> 16140

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gccttattag	ttagcttttg	a				201

<210> 16141

<211> 1914

<212> DNA

<213> A.fumigatus

<400> 16141

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<210> 16142

<211> 462

<212> DNA

<213> A.fumigatus

<400> 16142

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<210> 16143

<211> 354

<212> DNA

<213> A.fumigatus

<400> 16143

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<210> 16144

<211> 1257

<212> DNA

<213> A.fumigatus

<400> 16144

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<210> 16145

<211> 315

<212> DNA

<213> A.fumigatus

<400> 16145

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<210> 16146

<211> 729

<212> DNA

<213> A.fumigatus

<400> 16146

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<210> 16147

<211> 1284

<212> DNA

<213> A.fumigatus

<400> 16147

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<210> 16148

<211> 426

<212> DNA

<213> A.fumigatus

<400> 16148

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<210> 16149

<211> 315

<212> DNA

<213> A.fumigatus

<400> 16149

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<210> 16150

<211> 183

<212> DNA

<213> A.fumigatus

<400> 16150

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<210> 16151

<211> 1104

<212> DNA

<213> A.fumigatus

<400> 16151

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<210> 16152

<211> 291

<212> DNA

<213> A.fumigatus

<400> 16152

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<210> 16153

<211> 1152

<212> DNA

<213> A.fumigatus

<400> 16153

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tgtgggacta	aaccgcctgc	ttgctcgttc	ccctgtgaac	ggcctaagcc	ctgtggccat	2040
cctcagacac	ctcacaattg	tcatacggac	gaagagagct	gtcccaagtg	cccgttcctc	2100
actgagaagg	cctgtctttg	tggcagacgg	gttttgaaag	atcagccttg	ctggctggcg	2160
gagacgcgat	gtggcgagg	tgccggtgaa	ccgcttaaat	gtggttctca	ttcctgccag	2220
aagacctgcc	accggcctgg	tgagtgcgag	gatgcctcca	gaccttgcca	gcagccttgt	2280
ggaaagacca	agtcctctgt	cggtcaccca	tgaccgaac	cctgtcatgc	tccatatcag	2340
tgccccgaga	agacgccttg	cacgtctacg	gtcacagtaa	catgtggctg	tggacgactt	2400
cgtcaatcac	ggcgtgtgaa	tgcagcagcg	gcatcgaaag	gaccgggtacc	gcaggcagtc	2460
ttcaccacgg	ggctg					2475

<210> 16157

<211> 1935

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (556)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16157

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ccattcgagg	tcaaagcaag	actcaaacaa	gggcaatact	ttggagagg	tgtgagtcg	180
tcgctggcgc	cccgcaggac	agcgacggta	cgctccgtta	ctgcagtcga	gtgcctcatg	240

cttagtgggcg	atgtectcgc	cgaattctgg	gacaagcttc	cccaaactgt	ccgccagcag	300
gtcgagaaca	cggccaagga	gagacttcag	tctgcctctg	atgggtgacgt	tgtcatgtca	360
gatgcaggaa	gcgctgatca	gcccaccgat	ggggagttca	aaatcagagc	tgctcggaga	420
caatcaatgc	cgtttttgac	gcttacagag	acagagttgg	atagcccgcg	agctcccagt	480
gccatggagg	atcagaatgt	gctgaaaccc	tcagatcctg	acccttttct	gaatgttggc	540
ttggacaagg	ttcgantacg	cagccggcgc	ggttccgtcg	ccccattgac	accagacgaa	600
gtgtctgggg	agcaacagcg	acaatcccct	ccgtctggga	ctcgttcgac	taggtcgtct	660
cttcactccc	tttccgacac	atcgactttg	tcgacaacac	agaaggcaca	ccgcgagtcg	720
cgcggcgata	atgtcggcat	tctaccggat	aataatactcg	tgaggatttt	ccaacacctg	780
gagcttcacg	aacttatgcg	ccttcgagct	gtctctctgc	attgggtctga	gattcttacc	840
aaatcctctg	aactcgttcg	ttatcttgat	ctgagcatat	acaatcgcaa	acttagcgat	900
gatgttttgg	tcaaaataat	ctgccctttt	gttggggaaac	gacctcgcca	cgtcaatatc	960
agtaattgtt	tccacatcac	cgacgagggc	ttctcgaatt	tagccgctac	atgcggcgct	1020
aacgtcgtca	gttggaagat	gaaaagtgtc	tgggatgtta	ctgcaactgc	cattcttgag	1080
atgactggca	aggcgactgg	tctacaggag	gttgatttga	gtaattgtag	aaaagtcggg	1140
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gagactggaa	agatggggaa	agcagctctg	aagcccacga	tcgagactga	agcgggcact	1260
gtatatggct	gtccgcaatt	gaagaaatta	accttgtctt	actgcaaaca	tgtcacggat	1320
cgctcgatgc	accatattgc	gtcgcacgct	gcctccagaa	tcgagcagat	ggatttgacc	1380
cgatgtacga	ccatcactga	ccaaggcttc	cagtactggg	gaaatgccca	atztatcaat	1440
ttgcgcaaac	tcaogttggc	ggactgcact	tatctcaccg	acaatgccat	tgtttacctt	1500
accaacgcag	ccaaacagct	acaagaactg	gattttggtta	gcttatcact	gttacaggag	1560
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acagaagtgc	tcgcaactcca	atgctcgcag	ttgacctatc	tcaacatgtc	gttctgcggg	1680
tccgcgatct	cggacccttc	cttgccgcagc	attggactcc	acctcctaaa	tctcaaacgg	1740
ctatcagtc	gtggctgcgt	ccgggtcact	ggcgtgggcg	ttgaagcggt	cgcagagggc	1800
tgcaatcagc	tggagtcggt	tgatgtcagt	cagtgcacaa	accttcttcc	atggctcgaa	1860
gacggcgggc	ccctcagata	caaaggcaaa	atcgacttcg	aaaccgttgc	gcagaatggg	1920
cgagtgtttc	gatga					1935

<210> 16158

<211> 285

<212> DNA

<213> A.fumigatus

<400> 16158

cttagaatgc	tgtttcttga	cttccatttt	tggagctacg	aacagatgaa	tagacgaatc	60
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cctttgtctt	tagatcacca	aaacttcatt	atgttttacc	ggcacaacat	ctttcataac	180
ctctttgtga	ccatgaaagc	caagacaaag	gaaggaaaat	tgaagggtta	gtccggggccc	240
attcaatgct	attctttcaa	catcaacatt	tatctttggt	actga		285

<210> 16159

<211> 579

<212> DNA

<213> A.fumigatus

<400> 16159

caatttccctt	ggaatccctcc	cccggctagg	caagtgcattg	cccaagcccc	ctatgatgtg	60
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cctccggtag	gacagggaac	actgtatttt	acatttcccc	cagaccctcc	tcaggccggg	180
caaggacctg	ggcaaatgcc	gcttcccgc	aaccttccctc	ctaccaaca	gcgtaccttt	240
ccccagatc	cttttcttgt	agggcaagga	gctgggtcaa	tcagacttcc	tgcaagcatt	300
cctccgccag	gacagggaag	aggcaatctt	gcacctcctc	cagatgttgc	cctggcggga	360
ccaggccctc	tcaactttcc	gcctggcccg	aacctccctc	cagtaataca	agagcctgcc	420
aattttatac	ctgcccccaag	aaccttctgc	ccagagcaag	gctcttccctc	cgatcaatcc	480

agcgggtggta atccttaccg gacatcttct gaggcgagtg cagacaatga tagcacgaac 540
 tacgggtgcta ctaacactgg tccagctttc gtgtcttaa 579

<210> 16160
 <211> 258
 <212> DNA
 <213> A.fumigatus

<400> 16160
 attcgagaag ccctcgtcgg tgatgtggaa acaattactg atattgacgt ggcgaggtcg 60
 ttccccaaca aaagggcaga ttattttgac caaaacatca tcgctaagtt tgcgattgta 120
 tatgctcaga tcaagataac gaacgagttc agaggatttg gtaagaatct cagaccaatg 180
 cagagagaca gtcgaaggc gcataagttc gtgaagctcc aggtgttgga aaatcctcac 240
 gagtatatta tccggttag 258

<210> 16161
 <211> 342
 <212> DNA
 <213> A.fumigatus

<400> 16161
 gttgcgcttt gttgcgaatt tatgcctgag gcccaaagaa gtgcgcgccc gctgaaaaat 60
 tccccgaact cttcgattcc gttgcatggg accagacacg acttaatcat cactcttgag 120
 cggttggcac tggtgctggg gccagtatgc gaaaaatctc cgaatgtgat catcacaggc 180
 accgctgggtg tagggaaaac tgttcattgc gagaaattag cgcaggagggt cggcttgcca 240
 cacctatcga taaaccagggt tgccaaagat cgaggttgct tcgaaagcta tgaccaggat 300
 ttggaaacct ggatcgttga cgaggacaaa gtacgtcgct ga 342

<210> 16162
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 16162
 catgatcatg cttcttctag aaaatacaag gaggccaaat tgcaggaaaa cttagattct 60
 gagatattcg gcatcttgtc agaggaagcg cgcgaagctt ttgacgaaca gatagtcgtg 120
 gagctcaaca gtgaggagga tgatgatgta gagactaact gtgcgaggat ttcagcctgg 180
 atagaatcct ggaaagaaag ccgaccggaa aacagagagt ga 222

<210> 16163
 <211> 180
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (17)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16163
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 aagttgacgg attatccaat attgcgggaa attgagatcc ctccccgggtt ggccgaggtt 120
 ttcaactggg ccctgggatt tccatttccg attaaacccc tggatgaatcc ccccatgaat 180

<210> 16164
 <211> 471

<212> DNA

<213> A.fumigatus

<400> 16164

gaaagcttgg	aattcaatat	ctatcacacg	tggatgaagg	tgttgaagaa	gaaactctac	60
aagatgattg	tccccgggat	catcgaatct	cagtcggttc	ctgggttcgt	caccagtga	120
accaatcgat	tcctcgggaa	acttcttccc	tcaaacaaca	atccagcgta	cagcatggat	180
aatctcctca	gccttctgaa	caatgtctac	aaagcaatga	aagctttcta	cttggaagat	240
tctatcatta	ctcaaaccgt	gacagagctg	cttcgccttg	tcggtgtcac	cgctttcaac	300
gatctcttga	tgcgaaggaa	ctttttatct	tggaaacgtg	gccttcaa	caattacaac	360
ataactcgga	ttgaggagtg	gtgcaaaagc	catgatatgc	ctgaagggac	attgcagctg	420
gagcatttga	tggtaagttg	gtttccaaga	gacagtagtg	attttaactg	a	471

<210> 16165

<211> 222

<212> DNA

<213> A.fumigatus

<400> 16165

agctacctcc	aagtgcattg	taagtttggg	actgcggaac	tgatcatgca	atatagtaaa	60
catttcttga	gcgactggg	acacgacggc	ctcaacaaga	tgcttgactc	tttcgaagac	120
cgaagtgcag	aagccgtttg	cacatttgct	ttctgtcgtg	gtcctggaga	agaaccaata	180
cttttccagg	gaaggactga	ggtaaacggc	acaccgctct	ag		222

<210> 16166

<211> 360

<212> DNA

<213> A.fumigatus

<400> 16166

agactaattg	gtcgattctt	taggctatct	ccaaaccaga	tccagaagct	tctgaatcaa	60
tatcttgtcg	ctgactacga	acagcccatc	aatggcgaga	tcatgaaagc	cgtagcctcg	120
cgtgtcacag	aaaagagcga	tgtactcttc	cttaccctcg	ttgacatgga	agacagtggc	180
ccgtatgaaa	tcgccgagcc	tcgtgtcatc	acagccttag	agacatacac	accatcatgt	240
gagtgttca	acgaaatggt	ttccagaata	ctaatagat	ccagggctcc	aaactccgcg	300
tttgaaacgt	cttgcagaaa	tagtctcagc	acaggcaatg	gcccagcaag	agagacttga	360

<210> 16167

<211> 1305

<212> DNA

<213> A.fumigatus

<400> 16167

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gactataatt	atctgcgcca	gcgacctctg	tccgggtga	taccggctcc	gggtcttccg	120
cctttccgta	taagagcggg	cgaaatgcc	tcttcttctg	ccgacgacat	cccagcaact	180
ccccgagtca	tatctccttc	gcctgtaccg	tcgagttagt	caagctcacg	ggatggttat	240
gccggaccga	ggactcgggc	ggcagcgcca	cgccaacgtc	ttgtagatgt	atccgaggag	300
aaaagcgaaa	acgtggatgc	ggactcgacc	aggtcacgca	gtcgcagccc	agcagctcct	360
gctcgttta	ctcgcacgcg	gcgatcta	cccatgatac	cagccaggaa	accggagcct	420
tcgaagacca	acggccgcat	atcgcccacc	gacttacttt	cgcctaattc	cgccctgggc	480
aaaggccggg	cacacgacat	ctctcgttca	ccctcacctc	tgggcttgat	ccccctccac	540
actcgctacc	gcagcttcat	ccatcgtcac	gagataccgc	gcaagctcct	ccatggctcc	600
atcggctttc	ttacccttta	tctgtatagc	cgaggcgctc	agactctcca	gatcacccca	660
tggctgctct	ccgctctcgt	ccccatcgcc	gcgacagact	ttatccgcca	tcgctccgag	720
acgttcaata	aatctacat	tcgctcgtt	ggtgcgctca	tgcgggagac	agaagtgtcg	780

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ggctacaacg ggggtgatctg gtacctgctg ggcgcataca gcgttctgcg tttcttcccc 840
aaggacgtcg cgggtcatggg cgtcctgctc ctcagctggg gcgacaccgc agcctccacc 900
ttcggcgcgc tctacggccg gcacacgttc caactgcgca agggcaagag ctttgctggt 960
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aacctactcc ccgatacctat caaggggtctc ctgggttgga ctgccgattc cgattcctcg 1140
cgcgagtgca tcaccggccc gctggcactg ggtgtcatga gtgttgtttc cggattatc 1200
gccgtggaa gcgagttcat cgacttgttc agctgggatg ataacttcac tatccccgtt 1260
cttagtgga tgggctgtg gggattcctg aaagttttcg gttaa 1305

```

<210> 16168

<211> 189

<212> DNA

<213> *A.fumigatus*

<400> 16168

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tacaactggg atcaggaaag acagcgtctt tccgctgcca gtgactgcct ccactacgac 120
atccttatgc gccatgaaca gaggaatagc ggatgcttgc actggggtca tgcgggtgaa 180
gccattga 189

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<210> 16169

<211> 1137

<212> DNA

<213> *A.fumigatus*

<400> 16169

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gctttgaaac gcatcgtttc ttcagttcag cccactccct tgaaaacgat attcttcgtc 120
tctacctgtt ctggtgtcga ttatttgtct gcaatcctcc cattgctgct tgggtgacgat 180
ttcctcttga ttccactgca cggcaaacac caggcaaatg tccgcaaaaa gaacttcaac 240
cgcttcatca actcacacga tccggccatt cttctcacca ctgatgttgc tgcgcgtggg 300
ttggatatcc cgtctgtcga tctcgtcgtg caaatcgacc ctccatcaga cccgaagtcg 360
ttcattcatc gatcgggccg tgctggaaga gctggccgga ggggtctgag tgtagtgctt 420
ttgcatccag gacgagaaga agattatgtt tctttcctag aggttcggaa aacaccggtt 480
gttccatttt ctccatcgat ttctttctcc gacgccgatg cggctgctgc cacggetact 540
gcccgaatgg ctgtgttgcc cgatcgtgcg ctgcatgacc gaggccagaa ggcgtttgtc 600
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gattgggaag ctttaggcaa agcctggggg ttgttgaaat tgcctaagat gcctgagttg 720
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aaagacaagc aaagggagaa acggcggaag gagcttctcc aagaggctgc cgagtctggt 840
gccactcaat ccacgtcaaa caagagacga gccaccgaaa gtgtcgcatg gagccaacag 900
gctgagtcga agaacaagaa gctcaagcga cgtgagcaga agaagtcaaa gcaagagaag 960
gcgagatggg agaagatgac ggaggaagaa aaacagaagg ttcttgagac ggagaagatg 1020
gttgaggagc tgaggaagaa gaacgaggaa gaaagacgac taagacgagc ggtagccaaa 1080
gccgcaggcg cgaaggctga tgggtgacgac gaggaagaat tccagggatt tgattga 1137

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<210> 16170

<211> 351

<212> DNA

<213> *A.fumigatus*

<400> 16170

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gctccgaaac caccttcagg cacttcattg agggcctggg atgcagtgc accagccctg 120
tcagaatggg tcttagaagc aatgtcctca atgggcttca cccgcatgac cccagtgcga 180

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gcattccgcta	ttcctctgtt	catggcgcat	aaggatgtcg	tagtggaggg	agtcactggc	240
agcggaaaga	cgctgtcttt	cctgatccca	gttgtagaga	agcttttgcg	tctcgaggaa	300
cccattaaga	aacatcatgt	tggcgccatc	atcatttcac	caacaaggta	g	351

<210> 16171

<211> 639

<212> DNA

<213> A.fumigatus

<400> 16171

gcattgattt	ctggggcgcg	ggcagccaga	attgtggaaa	cgctcgatgc	tgagtatgtt	60
attagagaac	ttgcatcaca	gatttataat	gtactatcat	cattactcgc	cttccatcct	120
ccttcagctg	ctgcgatcaa	cccctccgaa	gacgacgatg	cgctcgcacc	caagtttccc	180
tcatctactc	tcaaagttgt	tccgcagctc	ctcctcgggtg	gttctactac	tctgcagaaa	240
gatctgagta	cgttcctgaa	gcgttcaccg	aatgtgttgg	tctccacgcc	tgagcggcct	300
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cttgacgagg	ccgatcgact	gctagatctg	ggattcaaaag	agactttaca	gaacattctg	420
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gaccagattg	tccgagttgg	tttacgaaat	cctgtcaagg	tcatgggtcaa	ggtcaagggt	540
ggctcaggcg	ttgacgataa	gcggactcca	gctaggttgg	tgcctctcta	ctttatactt	600
gaacagcagt	ctaattcgat	tgtaccagtc	tgcaaatga			639

<210> 16172

<211> 381

<212> DNA

<213> A.fumigatus

<400> 16172

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attgccagca	aggtaggcgc	gggaagcgcg	ggcagttctg	ggagtggccg	accacctgtt	120
gcgaataagc	catcatttct	gggggcaggc	tctgggtcaa	gctcgaactt	gtcagcaaaag	180
cgtggaactg	aagatttggg	ttttttcatc	ggtgatgaag	ctctggcggc	tgccaatgga	240
cctggctacg	gcacaaacta	cccgattcgc	cacggtcaga	tcgagaactg	ggatgctatg	300
gaacgtttct	ggtccaattc	gatctttaac	taccgtcttc	acccacggga	gctggccgga	360
cccgcctta	atgtaaggga	a				381

<210> 16173

<211> 201

<212> DNA

<213> A.fumigatus

<400> 16173

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ctacctagta	gtactgttac	tgcccgcctt	cacctccccc	tcactctcat	cttcctccac	120
cactgttatt	cctcgggtg	tcctacaggt	ctcccccttt	actcaactaa	ctgctcaatc	180
gatctcttgt	tcaatttctg	a				201

<210> 16174

<211> 474

<212> DNA

<213> A.fumigatus

<400> 16174

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atatcacgac	catggaaacg	agagagccca	ccttcaggta	tgcgaaaagt	cagtcttcca	180

gccacctgcg	aatccatgat	ctacgtcgtt	cacgtatcag	cttttgggtct	gactgccagt	240
agcgcttgta	aagccgcaat	gggcatttta	aaaagcggtg	gatcagctct	ggatgctggt	300
gagatggcca	tcattgtaat	ggaggatgac	gagattacaa	atgctggcta	tggaagcaac	360
ctgacgattg	aaggagctgt	cgaatgtgat	gctactattg	tcgaccacca	tggcaggagc	420
ggcgcagctg	gagccgtctc	gcgtaagttt	ctcttcttct	cagcttcaca	atag	474

<210> 16175

<211> 516

<212> DNA

<213> A.fumigatus

<400> 16175

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actttcctga	tggaggactg	gtcttcggca	aacatcgcgc	gcaatttccc	ctctactgat	180
cgcaacggca	tcttatttgc	catgattctc	tccgggtctct	cgtcctgtgt	tatttcatac	240
acctctgctt	ggtgtgtccg	tgtgacttgc	tcgacaacct	attccatggg	cggcgctctg	300
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agcgtttctg	ctattgttgt	cggttttctc	agtggcattg	tttacgccgt	tgccaagatt	420
aagcaaagtg	ccaagccaaa	gactgggtgtg	ctgccaatgt	cgaaccccc	cgtcagtgct	480
agcagccaga	gcatgagaga	ctctctgcgc	tcctga			516

<210> 16176

<211> 264

<212> DNA

<213> A.fumigatus

<400> 16176

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ggagacgtaa	ctgccaaagt	gtcgcactctc	aatgctggct	atatctggat	gctgatcaac	120
tgtctctgca	tttcgtctaa	cttctctggga	atgcgcaagc	gaatcaagtt	gacaaacttc	180
aaggactttg	acagtacgtc	ctttcttggt	tctatatctg	ccacgaagac	ttggagctcg	240
tgtctaacct	tatgectcat	ttag				264

<210> 16177

<211> 1668

<212> DNA

<213> A.fumigatus

<400> 16177

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<210> 16178

<211> 555

<212> DNA

<213> A.fumigatus

<400> 16178

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gctgtggttg	cggtcgtccg	gcgacggcgg	tcgggccagc	aggtaaccgg	ccacttcgcc	480
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<210> 16179

<211> 1356

<212> DNA

<213> A.fumigatus

<400> 16179

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<210> 16180
 <211> 483
 <212> DNA
 <213> A.fumigatus

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<210> 16181
 <211> 477
 <212> DNA
 <213> A.fumigatus

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gagtacgagt	acgttgataa	cgggaaacttt	cagaggatgt	acgataccat	tgctgctgct	360
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<210> 16182
 <211> 207
 <212> DNA
 <213> A.fumigatus

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attgtattac	agggctccgga	ttacattagc	ggaaatatta	ctgtttcatt	acattacctg	180
aaatactgtt	tatgtaagat	agtctga				207

<210> 16183
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 16183						
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caacacactg	acgaaaccct	ccagagcttc	ttctacctcc	cccagtcacc	aacgcacacc	120
aagagcgtcc	tctacccccg	gtcctggta	accgagcgcg	aggaagtcat	catgatcaac	180
gtatgtccca	ccattgttcc	tgctagcccc	gttctaacag	atgcatga		228

<210> 16184
 <211> 333
 <212> DNA
 <213> A.fumigatus

<400> 16184
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 gcgctgatcg gcgcctgcga aggggggttc atccccgggg cgattctctt cgcgacctat 240
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 agtcctccta actccctggc tgtcaatcga taa 333

<210> 16185
 <211> 279
 <212> DNA
 <213> A.fumigatus

<400> 16185
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<210> 16186
 <211> 846
 <212> DNA
 <213> A.fumigatus

<400> 16186
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 atatccatct gtgtgctttc gctgacgtc tttgtcgccc agcgtgagtt cctgcgttat 720
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<210> 16187
 <211> 504
 <212> DNA
 <213> A.fumigatus

<400> 16187
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<210> 16188

<211> 546

<212> DNA

<213> A.fumigatus

<400> 16188

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gtttgtatcc	tccaccagtt	gccggtgata	ctcaaaacta	acatctcgac	ccctgggctt	120
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tcctaa						546

<210> 16189

<211> 597

<212> DNA

<213> A.fumigatus

<400> 16189

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taccctggca	acagccgtcg	cagcagccac	cctgggtcaa	ctcaagctcg	aagattcgac	540
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<210> 16190

<211> 189

<212> DNA

<213> A.fumigatus

<400> 16190

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actaccactc	tcaagagtgc	gcttgacagc	gcaaagagaa	tcgtgaaccg	aacgctccat	180
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<210> 16191

<211> 675

<212> DNA

<213> *A.fumigatus*

<400> 16191

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<210> 16192

<211> 456

<212> DNA

<213> *A.fumigatus*

<400> 16192

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ctggattact	acgacgtttc	tggatgcttc	attctcaagg	tacgatcggt	tgctgttctt	420
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<210> 16193

<211> 1047

<212> DNA

<213> *A.fumigatus*

<400> 16193

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agagaagctg	tcaagtatat	gaatgagaac	atcaccacga	aagtcgatgc	gctcggaaag	180
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<210> 16194
 <211> 429
 <212> DNA
 <213> A.fumigatus

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 gccgccaaag actcgtctga gctcgttgcc cagctccgca gccgtcactg ggcctctcaa 180
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 ggtcactaa 429

<210> 16195
 <211> 264
 <212> DNA
 <213> A.fumigatus

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 ctggtcgttt gcttccgggt gttcgacgtg atgggtcccag gtgttttttt tttgtcggcc 180
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<210> 16196
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 16196
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<210> 16197
 <211> 723
 <212> DNA
 <213> A.fumigatus

<400> 16197
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 cttgggtttg catccgaggg acggaagagg cagtgtctgt ggaaagctgg aagggtgggtg 660
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tga

723

<210> 16198

<211> 429

<212> DNA

<213> A.fumigatus

<400> 16198

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gatttcgaac	ctctgcattc	ccaggccaag	ccggaccctg	tcggcgcggc	tgtctctcgg	360
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<210> 16199

<211> 201

<212> DNA

<213> A.fumigatus

<400> 16199

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<210> 16200

<211> 678

<212> DNA

<213> A.fumigatus

<400> 16200

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<210> 16201

<211> 813

<212> DNA

<213> A.fumigatus

<400> 16201

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gagatgcgta	acaagctgga	agagaatcag	aaggccttga	cagaaaacga	gaagcgccag	180

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<210> 16202

<211> 459

<212> DNA

<213> A.fumigatus

<400> 16202

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<210> 16203

<211> 303

<212> DNA

<213> A.fumigatus

<400> 16203

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<210> 16204

<211> 1446

<212> DNA

<213> A.fumigatus

<400> 16204

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tgccgcagct	gtagcttgac	tctccccgac	gatgtgagta	ggcagctgcc	cccgggcgct	480
ccaggcaccg	cgagtcgcga	cggcaaggga	aggaatagta	gcccagtttt	gcatccaga	540
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<210> 16205

<211> 240

<212> DNA

<213> A.fumigatus

<400> 16205

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<210> 16206

<211> 684

<212> DNA

<213> A.fumigatus

<400> 16206

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<210> 16207

<211> 2163

<212> DNA

<213> A.fumigatus

<400> 16207

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<210> 16208

<211> 639

<212> DNA

<213> A.fumigatus

<400> 16208

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<210> 16209

<211> 567

<212> DNA

<213> A.fumigatus

<400> 16209

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<210> 16210

<211> 189

<212> DNA

<213> A.fumigatus

<400> 16210

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cgcccccggt tcaccgacaa tctcgatggt atcaagtttc tctgcaagga tctgtggacc      120
attcttttca agaagcaagt ggataatttg aaaacaaatc acagggttag tacacggaag      180
cgagtctag                                     189

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<210> 16211

<211> 393

<212> DNA

<213> A.fumigatus

<400> 16211

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<210> 16212

<211> 237

<212> DNA

<213> A.fumigatus

<400> 16212

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cataaccagt gttttgatgc atcgctcgtt ttacagttgc aggaacaagc gcctacatgg      180
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<210> 16213

<211> 753

<212> DNA

<213> A.fumigatus

<400> 16213

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<210> 16214

<211> 2283

<212> DNA

<213> A.fumigatus

<400> 16214

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tga 2283

<210> 16215
<211> 624
<212> DNA
<213> A.fumigatus

<400> 16215
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gttgagttca gcagtcgctt cttcaccctt gcgcaagata gcatcgatat catcatcaga 240
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<210> 16216
<211> 216
<212> DNA
<213> A.fumigatus

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ctgtcttttg tagaactcga actccaaccc gactaa 216

<210> 16217
<211> 297
<212> DNA
<213> A.fumigatus

<400> 16217
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gtcaatgatc ctctctatc caaccccgag aatttacaag agaagggcat tgctagccgg 180
gatgcatctt tggccgaaga cgagaagaag tatgccgcta cgcttgctta caggcaagat 240
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<210> 16218
<211> 291
<212> DNA
<213> A.fumigatus

<400> 16218
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gatgtctgcc tttacatcat cgcgcgcctc gtcactctac tctacggagg tgacgagatt 180
gcttcaccag cactaggggtc cgcgggatccg ctaatctcca aggttgcta cggcatcgcc 240
ttgcctactg taggtccaca ccggcattttg aaaacatgtc tccagtacta a 291

<210> 16219
 <211> 243
 <212> DNA
 <213> *A.fumigatus*

<400> 16219
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 atcgtcaatc tcttctgcct ggtctttggc gccgtgcttt gtgggtctggg cttgtacgtc 180
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 taa 243

<210> 16220
 <211> 525
 <212> DNA
 <213> *A.fumigatus*

<400> 16220
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 aactgtcgac acggacttgg tccatgggtt ctctgcgcgc actaa 525

<210> 16221
 <211> 1014
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (143), (157)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 ccgagatcag acgcggcgcc cgnagatgtc aaagagnaag accctctcaa tgacggatac 180
 tatttccgcg cccaccggag aatggagcgc caggagaaca agctccgaaa catcgagcgc 240
 gaacgcgccc agcatgagaa gatgcagctg gagegtctat tagacgagct caaaggtcac 300
 gactggctcc gtgtcatggg tattactggc gtgcacgagc acgagaagaa gctctacgaa 360
 cccaaacgag actatttcat gaaagaaatc gcaagcctga tcgagaaatt ccaaactctg 420
 aaagaagaag agaaacgccc gaagctcgat aaggacaagc cctcgcgccg cgccgagata 480
 tcaccgtcca ccgctccac gaacagagac cacactacct ccagagaagc gaaacgtagt 540
 gatcgacccc cagatactac cgccgaacgc ccaaccacac acggcgccgc caccgcccgc 600
 ggcgaaagcg acggcgaacc ccagaccca agcgacgtgg acgcctgggc cgcgcatcaa 660
 ctccagcagg aagcccgtc cgcaacagcc ggcaaacggc ccaagtcac gaccgaggcc 720
 ccacgacgtc gcaaactctc cgccaacaaa tctccaccg caccgcccgc tgtcgcaaaa 780
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<210> 16222
 <211> 549
 <212> DNA
 <213> A.fumigatus

<400> 16222
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 cccagaagcg gaaacgtagt gatcgacccc cagatactac cgccgaacgc ccaaccacaca 180
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<210> 16223
 <211> 5025
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (257)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 atcaaattcg gttcgccaac gttgaacctt tctttgatgg aaatattgtc aacgctgagt 180
 agcggcgcaa ctctttgctc ggcatcgcgg aggctgacgc ttactgacct tggaggaaaca 240
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 cccgcacagt tgaacacctt tcaatatttg tggacaatgg gagaaaagct caatcggaca 360
 gtcacgaaa acttcaacta aaaggcgcac agtaacgatc tgaatgggga ctctgttcca 420
 gcattaaggt tgttagtcaa cgcatatggt cccaccgaag cagccattaa ctgcacattc 480
 ttgcgaccgg tcgagtatca taccctgggg tcaatcattg gcgagccact gccacatgc 540
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 ggagaacttg caattggagg acctcaggtc agccaaggct acttgaatcg cccggaagaa 660
 accgccaact cttttgtcca tagccctgag tacggatacc tctaccgaac aggggacttg 720
 gctcgcatcg tctgggacga gaaaggagca caagtcacg agttccttgg gagaatcaca 780
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5025

<210> 16224

<211> 1458

<212> DNA

<213> A.fumigatus

<400> 16224

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<210> 16225

<211> 1251

<212> DNA

<213> A.fumigatus

<400> 16225

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<210> 16226
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 <212> DNA
 <213> A.fumigatus

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 <213> A.fumigatus

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<210> 16228
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 <213> A.fumigatus

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<210> 16229
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 <212> DNA
 <213> A.fumigatus

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gactcatcag	atcgaaaccg	gcaacaccga	agcctcactg	atcgccaacg	aagccgcata	300
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<210> 16230
 <211> 369

<212> DNA

<213> A.fumigatus

<400> 16230

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<210> 16231

<211> 234

<212> DNA

<213> A.fumigatus

<400> 16231

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tggtccttct	atggcatccg	accaaccacc	attctgggat	catatggcat	tacttttaatt	180
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<210> 16232

<211> 495

<212> DNA

<213> A.fumigatus

<400> 16232

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<210> 16233

<211> 474

<212> DNA

<213> A.fumigatus

<400> 16233

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<210> 16234

<211> 183

<212> DNA
<213> A.fumigatus

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taa 183

<210> 16235
<211> 636
<212> DNA
<213> A.fumigatus

<400> 16235
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aatgacttcg ttgaattgtc tgaggttgaa ggcctcaagg ccgattccga gatcgctctc 180
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<210> 16236
<211> 207
<212> DNA
<213> A.fumigatus

<400> 16236
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<210> 16237
<211> 369
<212> DNA
<213> A.fumigatus

<400> 16237
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<210> 16238
<211> 1014
<212> DNA
<213> A.fumigatus

<400> 16238

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<210> 16239

<211> 1431

<212> DNA

<213> A.fumigatus

<400> 16239

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<210> 16240

<211> 885

<212> DNA

<213> A.fumigatus

<400> 16240

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<210> 16241

<211> 837

<212> DNA

<213> A.fumigatus

<400> 16241

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<210> 16242

<211> 894

<212> DNA

<213> A.fumigatus

<400> 16242

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<210> 16243

<211> 564

<212> DNA

<213> A.fumigatus

<400> 16243

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<210> 16244

<211> 690

<212> DNA

<213> A.fumigatus

<400> 16244

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gaccggcgag	ctgggtcatcc	ccgccatggg	ccgcaacatc	atcgggcgcg	gcgcgccggg	600
caaccgcacg	tggagcgtgc	agcggctgtc	cggggccggg	gaggagggga	cgatcgtgca	660
gacgcccgcg	gggaagctgt	accgcaatga				690

<210> 16245

<211> 1242

<212> DNA

<213> A.fumigatus

<400> 16245

tggtgtccag	caacgagcaa	gatgcagtcg	atgcgcttca	tgatcctggc	actgctggtg	60
cagttctctc	cggcatgggc	catcaacgac	cgggccaaagt	cggccgcccc	ctaccacgat	120
gaattccctc	tcttccgcag	cgccaacatg	gcctcgccag	acaaactgtc	caccggaatc	180
ggcttccact	cgttccgcac	ccccgctgtg	gtccgcacca	ccaccggacg	catcctcgcc	240
ttcgccgagg	gccgcccaga	caccaaccaa	gactttggcg	acatcaacct	tgtctacaag	300
cgcaccaaga	caaccgcca	caacggcgcc	agtcggtccg	actgggagcc	tctccgggaa	360
gtcgtcggct	ccggcgccgg	cacctggggc	aatccgaccc	cggtcgtcga	cgacgacaac	420
accatctacc	tgtttctctc	gtggaacggc	gccacctaca	gccagaacgg	caaggacgtc	480
ctccccgacg	gcacggctac	caagaaaatc	gactccactt	gggaaggccg	ccgacacctg	540
tacctcaccg	agtccccgag	cgacgggcaac	acctggtcca	agcccgtcga	tctcacciaag	600

gaactgaccc	cggacggctg	ggcatgggac	gcggtcggcc	cgggcaacgg	catccgcctc	660
acgaccggcg	agctggatcat	ccccgccatg	ggccgcaaca	tcatcgggcg	cggcgcgccg	720
ggcaaccgca	cgtggagcgt	gcagcggctg	tccggggccg	gggaggagg	gacgatcgtg	780
cagacgccc	acgggaagct	gtaccgcaat	gaccggccca	gccagaagg	gtaccggatg	840
gtggcgcgcg	ggacgctcga	gggcttcggg	gcgtttgccc	cggacgctgg	gctgccggac	900
cggcgctgcc	agggatcggt	gctgcggtat	aacagcgatg	cggcgcgcg	gacgatcttt	960
ctgaattccg	cgtcggggac	gagtcggcgg	gcatgcgcg	tgcggatcag	ctacgacg	1020
gacgcgaaga	agttcaacta	cgggcgcaag	ctggaggatg	ccaaggtcag	cggggcgggg	1080
catgaagggg	gttattcgag	tatgaccaag	acgggggatt	acaagattgg	ggcgttggtg	1140
gagagcgatt	tcttcaatga	tggcactggc	aagaattcgt	atcgggcgat	catctggagg	1200
agattcaatc	tgtcgtggat	cctgaatggt	cctaacaatt	ag		1242

<210> 16246

<211> 1374

<212> DNA

<213> A.fumigatus

<400> 16246

gaccctccct	ggcggatcta	tctactgtat	ccatgtaaac	attcccacca	tgcgatgca	60
aatgacgaca	acctaattgt	taggaccatt	caggatccac	gacagattga	atctcctcca	120
gatgatcgcc	cgatacgaat	tcttgccagt	gccatcattg	aagaaatcgc	tctccacca	180
cgccccaatc	ttgtaatccc	ccgtcttggg	catactcgaa	taacccccct	catgaccgc	240
cccgtgacc	ttggcatcct	ccagcttgcg	cccgtagtgt	aacttcttcg	cgtccgcgtc	300
gtagctgac	cgcacgcgca	tgcgccgcg	actcgtcccc	gacgcggaat	tcagaaagat	360
cgtccgcgcc	ggcgcacgc	tgttataccg	cagcaccgat	ccctggcacg	cggggtccgg	420
cagcccagcg	tccggggcaa	acgccccgaa	gccctcgagc	gtcccgcgcg	ccaccatccg	480
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cgtccccctc	gccccggccc	cggacagccg	ctgcacgctc	cacgtgcggt	tgcccggcgc	600
gccgcgcccc	atgatgttgc	ggcccatggc	ggggatgacc	agctcgccgg	tcgtagggcg	660
gatgccgttg	ccggggccga	ccgcgtccca	tgcgcagccg	tccggggtca	gttccttggg	720
gagatcgacg	ggcttggacc	aggtgttgc	gtcgtctcgg	gactcgggtg	ggtacagggtg	780
tggcgggcct	tcccaagtgg	agtcgatttt	cttgggtgac	gtgccgtcgg	ggaggacgtc	840
cttgccgttc	tggctgtagg	tggcgccgtt	ccacgagaga	aacaggtaga	tgggtgtgtc	900
gtcgtcgacg	accgggggtc	gattgcccc	ggtgcggcg	cgggagccga	cgacttccc	960
gagaggctcc	cagtcggacg	gactggcgcc	gttgttggcg	gttgtcttgg	tgcgcttcta	1020
gacaaggttg	atgtcgccaa	agtcttgggt	ggtgtgtcgg	cggccctcgg	cgaaggcgag	1080
gatgcgtccg	gtgtggtgc	ggaccacagc	ggggatgcgg	aacgagtgga	agccgattcc	1140
ggtggacagt	ttgtctggcg	aggccatggt	ggcgctgcgg	aagagaggga	attcatcgtg	1200
gtagggggcg	gccgacttgg	ccgggtcggt	gatggcccat	gccgggagga	actgcaccag	1260
cagtgccagg	atcatgaagc	gcacgactg	catcttgcgc	gttgcgtggc	aacattatgg	1320
tgggagacgg	tcgaggagat	ttatagccat	cgtgtgaaat	cacatcctga	ttga	1374

<210> 16247

<211> 501

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (473), (488)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16247

ggccttgaca	gcgcgacgaa	aggcgcgaa	gtggagggtga	acgtggagaa	agaggagaaa	60
gaggagaaa	aggagaaa	ggagaaagag	gagagagagg	agagaggaga	cggctcgagat	120
ccccccatta	cagctcccgg	ggttcacgac	gtgaatacga	ggcagactca	tactcgtcga	180

gtcgcgacta	ccgcgcgaga	gaacgagagg	accgctactc	cagccggaga	gacgaccgtg	240
aatgggaccg	ggaccgtggt	gatcgcggcg	accgccgacg	cagagatttc	gatgacagac	300
catctcgacg	tgaccgtgat	agagacttgt	ttgacgagaa	accccgaggaga	gaacgagggg	360
gagaccgcga	gcgcgaccgg	gagaggaaag	aacggaaaag	aagcacaacc	ccccacgcga	420
aggagggagc	ctacacccga	cctgacagat	gtaccatctg	ttctgactag	ganacgtcgt	480
ttgacgcnag	tgggacatta	a				501

<210> 16248

<211> 663

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (55), (340), (471)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16248

gttgcgactg	cgcgacgtgt	gtgtttatct	atatcgaagt	tgtgggtaac	atttntagcc	60
atgttccccct	ttcccggagc	gcttcgccag	cagccaatga	accccagccg	ctttcaagcg	120
tttatgaacc	agtcagggtg	tggatctgcg	gataattcag	ctcttaagcc	tccaaactcg	180
cgtcaggcca	gcgctctgtt	cgtatacaac	cttccacctg	gcgtgtccag	cgagcacctt	240
gtgtccttct	tcaacctgca	actcaacggc	ctcaatgtca	ttcaccatgt	ggacccttgt	300
atctcggcac	aaatatctga	agaccatagt	tttgcaactn	tagagttcaa	gacacccaac	360
gacgccactg	ttgctcttgc	ctttgatggc	atcacgatgg	aggagcacga	gcccgtcagt	420
ggagctgaga	acggtgcccc	caaggggctc	gaagtgcgcc	gacccaagga	ntacattgtc	480
ccgaacggca	gtgcagatca	agaataccag	gaggggtgtg	tgtctaatga	ggttccccgac	540
tcgccccata	agatttgtgt	gtccaatatc	ccgcaatata	ttccagagga	gcccgtgacc	600
atgctgctca	agtcgtttgg	cgagctcaag	gtcttcacca	cgcggtctga	aggacagata	660
tcc						663

<210> 16249

<211> 462

<212> DNA

<213> A.fumigatus

<400> 16249

cagcgcgacg	aaaggcgcgga	acgtggaggt	gaacgtggag	aaagaggaga	aagaggagaa	60
agaggagaaa	gaggagaaag	aggagagaga	ggagagagga	gacggtcgag	atccccccat	120
tacagctccc	gggggttcacg	acgtgaatac	gaggcagact	catactcgtc	gagtcgcgac	180
taccgcgcga	gagaacgaga	ggaccgctac	tccagccgga	gagacgaccg	tgaatgggac	240
cgggaccgtg	gtgatcgcg	cgaccgccga	cgcagagatt	tcgatgacag	accatctcga	300
cgtgaccgtg	atagagactt	gtttgacgag	aaaccccgga	gagaacgagg	gggagaccgc	360
gagcgcgacc	gggagaggaa	agaacggaaa	agaagcacia	cccccccacg	caaggaggga	420
gcctacaccc	gacctgacag	atgtaccatc	tgttctgact	ag		462

<210> 16250

<211> 1338

<212> DNA

<213> A.fumigatus

<400> 16250

ctatttctgag	cctctagatg	gcacaatgtt	cctgaaagtg	acgaatggcg	atgtgtactc	60
catggctcgac	ttctatcttt	gaaacaagac	ccgcaatata	tctactatag	aacatatcgc	120
tcgcttatct	ctcaatcaac	gaccaccccc	cgaatacaac	cctcctcctc	ctcctctccg	180
cgggcggagt	caattggcgc	tgtgaatggc	ccacatgggg	agatcacgca	aatgggatca	240

tcaaatgact	tccatgacga	cgagacccta	gagcttctga	agcattacct	caatctctcc	300
tcgaatctta	cggacctcta	taccagtg	tcctcgcaag	acccgaactt	caaaaaaaaaa	360
gcacccag	tcacaggaat	caggatactg	cgccaggatg	cttgggaagc	gcttgtatct	420
ttcatctgta	gcagtaacaa	caatatcacg	cgcatatcgc	aaatggtcga	gaagttatgc	480
gtcaactatg	gtcccttgg	ggccactgtc	ggcgaccgcg	cataccatga	cttccctcct	540
cccagggtt	tgaccgctga	cgatgttgag	ggcgcctac	gaagttagg	ttttggttac	600
cgggccaaat	atatccacca	gacagctttg	attgtagcta	aagagagaga	gcaaggctgg	660
cttgattcac	tacgaaatcc	agaatctcct	gttctcggag	ttcagcccgt	gcccggcgat	720
gaaatgagac	cggagggtag	acaggggtac	cgtcacgcgc	atgaacagct	actggggcta	780
caggggttg	ggccaaaggt	tgctgattgt	gtctgcctga	tgggggtggg	gtggggagag	840
gcgtgccc	tagatactca	tggtgagcga	ctctcaacat	gtcttctatg	gattacttat	900
gttaactctc	tatttttagt	ctggcaaatt	gcgcaaagag	actacaaatt	cggcagaggc	960
gctcacaat	cgctaacgaa	agcaacttat	gacgccgtcg	gcaaccactt	tcggaaactc	1020
tggggcaagg	atgctggctg	ggctcatagt	gttctgttca	cagcggactt	gagggcattc	1080
tcggacaggt	tagctgggtc	gtctggaaag	atagatgtca	aggttgccgt	gagggagag	1140
ggcgaggaca	aagagtctgt	taaggttgag	acagaagtca	cgacctccac	ggcttatgcc	1200
ttgaaaagac	ctgcgactga	gaagttgttg	gaatcaaagg	atatgaaaga	ggagagtaaa	1260
ggaaacgaga	aggccgtcat	tcaagcctca	cagaccacga	cgacgagaag	aatgtcaaa	1320
cggcttcgga	accgctga					1338

<210> 16251

<211> 552

<212> DNA

<213> A.fumigatus

<400> 16251

ggatcgctct	tctttccagc	cccgcgggta	agacgtcatg	gccgcacggc	gtcgggggatg	60
cacggaaaag	gcgaggatgg	tgtaggagcc	cgaggagatg	ccggcagccc	cgatgccagc	120
aatggctcgg	ccgacgatca	gggtcacgga	gtttttggcg	acggcgcaga	tcaacgatcc	180
aacctcgaag	agcaggacgg	cgccgagaaa	gctcagcttg	aggggaaagt	agcggtagat	240
cttgccccag	gtgccttgga	aggaggcgag	cgtcagaaaag	aaggcggacc	cataccacc	300
gatatccgcc	accgtgtgga	actcgtcggt	gatccggggg	atcgcggtgg	acacaatgg	360
ggtgtcgagc	gagatgagga	agatggcagc	cagcagaccg	gccatgatga	cactgagggc	420
gaagccagag	ggatactgca	tctcctcctc	gggggcgggg	tctttgcccc	tgacggaatc	480
attgggagag	ctactcagct	cctgcttcga	ctcttcgata	gacggacggg	acataatgg	540
cgatgtcagt	ag					552

<210> 16252

<211> 975

<212> DNA

<213> A.fumigatus

<400> 16252

tttactgatc	ccatcgagag	attaagttgg	tcaccgaata	gaaccatcaa	ggtagttcgg	60
agaccgaaaa	gtggctatgt	ctccatatgt	ctccgacagt	gctcagtata	tgtatccgag	120
tgctcacatc	aacaggatg	caatcctaga	cctcaagcaa	agctaaccag	caagagaacc	180
atggcgcccc	gtctgctaga	gaacaacacc	ctgagcggca	ccgccgcacc	gcgcacggaa	240
ttcaaagcca	tagtcaacga	cctgcgcgag	ctacaggcac	atgtgcagcg	cgtccaatcc	300
gccatcgagg	cgctgaggt	tcagtcctgg	ctgaatgagc	agctgcata	tccggaccag	360
ctccccgaca	aggagctaga	gcagctggca	ttagatctgg	tcgacagtat	ggacaagctt	420
caactgcagc	tcgtgccgtc	cgtctccttg	ttaactgatg	gcttcttcgg	taagcgggga	480
gtcctccaag	cacatggagt	ttccgtactg	acagtgtgtc	tcgaggctat	ctcaacagta	540
agacgctctg	gaccgtcgct	gaagcgcaag	tggcagaccg	actggcgga	aacgggtccc	600
agcctgtatc	aacgctcggt	ctgcggtgcg	gcattcagcc	cgagcggctc	gcccagctgc	660
tggacaccct	cgtcagcaat	ggcatcttcg	cctacaatcc	ggccgacgac	acctacagca	720
acaaccgtgc	atctctcctc	ctctgccacg	accactggac	ccagtggcac	ctctgggccg	780

atctgtaccc	caacgagttc	ttcgacgtca	ggcgcgccat	gccccaggcc	gtccgactcg	840
gcgagagccg	caccgccgcc	cagatcgctt	acggcaccga	cctcgacctc	ttcgagtacc	900
tcgccaaagga	gcagaagctg	gcaaagttcc	agaagacact	gggcgcgggc	gccgtcgcgc	960
aagccccgcg	cttga					975

<210> 16253

<211> 552

<212> DNA

<213> A.fumigatus

<400> 16253

attatccctg	ggaggagatc	ggcagcgaac	ccatccctgga	catcgggcgc	gggtccggag	60
cattcctggc	ctcgggtgctc	cgggcgcatac	cccaccctcc	gggggagtg	catggatatac	120
cagtcgggtca	ctgagctgat	cacgccggag	ttccgcgagc	cgcattggctg	attcagcgat	180
atcgggtcgc	gcgtgcagca	gtctgctgctc	ggcgatttca	ccaagcagat	cccgccgtcc	240
gcgggtgtaca	ccatgaaatg	gtgtctgcat	gactgggtcg	acgacgatgt	gctgacgatc	300
ctgaagaatg	tgcgccggag	tatcgtgccg	tcgtctgtca	gtcgcttcct	ggtcgtggag	360
tcgatcaagt	cgcccggccg	atcaggccgt	ttgccgcgat	acggcgatct	gatcatgatg	420
atcacctgca	atggcaagga	gcggctgcctg	aaggactgga	agcggctggg	agagttggcc	480
gggtggaagt	tataccagg	gcacgcgggtg	cgtcgcgcct	ggcgtgtat	catcgacttt	540
cggccgatgt	ga					552

<210> 16254

<211> 582

<212> DNA

<213> A.fumigatus

<400> 16254

cagggccaaa	agccacagat	attgtatgcc	cctacccttg	ctaacttcac	caaccattac	60
cagttcttgg	actgttccac	actcgtcaga	atgtccgagc	gacctccga	tcttgtagtc	120
aacaggttgg	tgttttctgt	ggtcaaagg	gagtcgagtc	gacgcatac	caagtctcct	180
ctcatgcagt	caactacagg	caccgccacg	tccacacaca	acaccgtcaa	accgttgatt	240
ctcctcgaag	agctcggagt	ccctcacgat	atctatgtcg	tcgaaaagg	gtctgcccc	300
tggttcagcg	agatcaatcc	ccacaagatg	gtgcccgcga	tctgggaccg	ctccccgac	360
ggccgagaca	ccctccgcgc	ctgggaatcg	acgtccgacc	tgatgtacat	tgccgatgca	420
tatgacaagg	acgggacctt	tggcggacgc	aacgtgcaag	agaggctctga	gatcaacaac	480
tggttgactc	tgcatacggc	ggcgtggggg	cccacggcca	agtaactggct	gtatttctac	540
aagctgcacc	cggagaagtt	gccccaaaaca	atcgagaagt	aa		582

<210> 16255

<211> 579

<212> DNA

<213> A.fumigatus

<400> 16255

gacgtctctg	accgtcgtcg	aagcgcaagt	ggcagaccga	ctggcggaaa	acggccccca	60
gcctgtatca	acgtcgggtc	tgcgggtgcgg	cattcagccc	gagcggctcg	cccagctgct	120
ggacaccctc	gtcagcaatg	gcactctcgc	ctacaatccg	gccgacgaca	cctacagcaa	180
caaccgtgca	tctctcctcc	tctgccacga	ccactggacc	cagtggcacc	tctgggccga	240
tctgtacccc	aacgagttct	tcgacgtcag	cgcgcgcctg	ccccaggccg	tccgactcgg	300
cgagagccgc	accgccgcc	agatcgccca	cggcaccgac	ctcgacctct	tcgagtacct	360
cgccaaggag	cagaagctgg	caaagttcca	gaagacactg	ggcgcggggc	ccgtcgcgca	420
agcccgccgc	ttgacagtag	attatccctg	ggaggagatc	ggcagcgaac	ccatccctgga	480
catcgccggc	gggtccggag	cattcctggc	ctcgggtgctc	cgggcgcatac	cccaccctcc	540
gggggagtg	catggatatac	cagtcgggtca	ctgagctga			579

<210> 16256

<211> 432

<212> DNA

<213> *A.fumigatus*

<400> 16256

ctctgcatac	ggcggcgctg	gggcccacgg	ccaagtactg	gctgtatttc	tacaagctgc	60
acccggagaa	gttgcccaaa	acaatcgaga	agtaattccg	gcctctctca	tttgcccggg	120
aacagtttgt	ctaatatggg	ttgcagactg	cgcagcaaca	ttacggtgca	atatgatatt	180
ctagaacgtc	ggctcaacga	acccggccag	cagtacctgg	ctctgaagga	ccgaccgacc	240
attgcggata	tgcgccactt	gccctttgcc	atgaagtcca	cggcgggaact	gttcggcctg	300
gagtttgaga	aatggccaaa	gctgcaggag	tggtcgggtt	gcatgggtga	acgtgaggcc	360
gtcaagcggg	cctggcagcg	cgtcgcgggg	tttggccatg	gcgagaaaga	gtatggcatg	420
ttagaggcgt	ga					432

<210> 16257

<211> 642

<212> DNA

<213> *A.fumigatus*

<400> 16257

gcggggagtc	ctccaagcac	atggagtttc	cgtactgaca	gtgtgtctcg	aggctatctc	60
aacagtaaga	cgctctggac	cgctcgtcgaa	gcgcaagtgg	cagaccgact	ggcggaaaac	120
gggtccccagc	ctgtatcaac	gctcgggtctg	cgggtgcggca	ttcagcccga	gcggtctgcc	180
cagctgctgg	acacctcgt	cagcaatggc	atcttcgcct	acaatccggc	cgacgacacc	240
tacagcaaca	accgtgcac	tctcctcctc	tgccacgacc	actggaccca	gtggcacctc	300
tggggccgatc	tgtaccccaa	cgagttcttc	gacgtcagcc	gcgccatgcc	ccaggccgtc	360
cgactcggcg	agagccgcac	cgcgcgccag	atcgccctacg	gcaccgacct	cgacctcttc	420
gagtacctcg	ccaaggagca	gaagctggca	aagttccaga	agacactggg	cgcggggcgcc	480
gtcgcgcaag	cccgcggcct	gacagtagat	tatccctggg	aggagatcgg	cagcgaaccc	540
atcctggaca	tcgggggcgg	gtccggagca	ttcctggcct	cgggtgctccg	ggcgcacccc	600
caccctccgg	gggagtgtca	tggatatcca	gtcgggtcact	ga		642

<210> 16258

<211> 633

<212> DNA

<213> *A.fumigatus*

<400> 16258

gtagatatag	atgcgttttcg	tgcgggtctgt	ttgttgetac	tgtctccggc	ctaccattat	60
cgtcacgtca	aatccagctc	tctactgaca	tgcaccatta	tgtcccgtcc	gtctatcgaa	120
gagtcgaagc	aggagctgag	tagctctccc	aatgattccg	tcatgggcaa	agaccgggcc	180
cccaggagg	agatgcagta	tccctctggc	ttcgccctca	gtgtcatcat	ggccgggtctg	240
ctggctgcca	tcttcctcat	ctcgctcgac	accaccattg	tgtccaccgc	gatcccccg	300
atcacccagc	agttccacac	ggtggcggat	atcgggtggg	atgggtccgc	cttctttctg	360
acgctcgcc	ccttccaagg	cacctggggc	aagatctacc	gctactttcc	cctcaagctg	420
agctttctcg	ccgcgctcct	gctcttcgag	ggtggatcgt	tgatctgcgc	cgtcgccaaa	480
aactccgtga	ccctgatcgt	cggccgagcc	attgctggca	tccggggtgc	cggcatctcc	540
tccggctcct	acaccatcct	cgccttttcc	gtgcatcccc	gacgccgtgc	ggccatgacg	600
tcttaccocg	ggggctggaa	agaagagcga	tcc			633

<210> 16259

<211> 723

<212> DNA

<213> *A.fumigatus*

<220>
 <221> unsure
 <222> (189), (206), (207), (211)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16259

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agcatgcaac	atgggggaaag	cagcgttggtc	aagaccctca	tggggggaat	ctggtacttt	120
gcctacgggt	ccaacttacg	cctctcggtc	ctggagaatc	gatgcattaa	agcaatggat	180
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<210> 16260

<211> 414

<212> DNA

<213> A.fumigatus

<400> 16260

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catattggcg	agcggatgct	gaaggcgatt	gttgctgaga	ttattcgaca	gtatgtcatc	300
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<210> 16261

<211> 2439

<212> DNA

<213> A.fumigatus

<400> 16261

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aagttgatat tctgcaggtc cgatggacga aaagcgaaaa ctaacgtcaa cagaaactcg 2400
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<210> 16262

<211> 321

<212> DNA

<213> A.fumigatus

<400> 16262

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tggatggagc atctgactcg ttgtatcaac gactcgtacg ccctcgagga gtcgtacgtc 180
cttcttcatt cagcgaatct cattgggctt ttacctcgcg tctttgttaa gcacaaggag 240
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ggaaacaagg tacgtatatg a 321

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<210> 16263

<211> 711

<212> DNA

<213> A.fumigatus

<400> 16263

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acggctcacc gcaacaatga cattgcagcc attctcgagt ccgaagtgtc tccagtagag 180
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gatcatgaga tttgcattct gaacggtgat ctcaattacc gaatcgactc gatccacgg 300
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aagaaaacgg ccccgcgctg gtgcgatcgc gtactctaca gggggctagg tcggattaag 540
cagttggatt accgacgaca tgaggtccga gcctccgacc atcggcctgt aagcgcacat 600
ttcaagctcc gcgtcaagac tgtgttgccg caagagcgtg ccgcgggtgtg ggaatcatgt 660

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caacaggaat tccagaaaga gaagcgcagg ctggcttctg aagctaggtg a

711

<210> 16264

<211> 264

<212> DNA

<213> A.fumigatus

<400> 16264

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gctggcgcgt	ctacgccagg	tagtgtccgc	tccagcaact	tcattcagga	ggcaattcat	180
cccgagaatc	cacccgagat	tttggctctc	ggcttccaag	agcttgtaga	tcttgagaat	240
aagaaaatca	cagccagtga	gtag				264

<210> 16265

<211> 210

<212> DNA

<213> A.fumigatus

<400> 16265

caagctcgat	tactgcttgg	aacatgtcat	cggcgtaggt	tttgtcttct	ggtgttgaat	60
cagatcaaga	acaatgtccc	tttgggtact	ttgttccacg	taaagctgat	gatcaggtct	120
gggctatgga	atatcctggt	caatcaggca	ttcgagacca	ttggcttttag	tcggttccgg	180
atgtacaagt	cccatagcat	gaggggtctga				210

<210> 16266

<211> 549

<212> DNA

<213> A.fumigatus

<400> 16266

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catattgttg	aggcatcgtc	tcagttgttc	agtgtctgcat	cgggctatgc	tgcaggtttc	180
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catcagtgcg	tggcggataa	gaatggaggg	agacaggaat	ggggatacat	gaaaagcaca	300
gcactgagcc	tggacttttc	caagaacaac	aacaaaagag	gtgcttctgg	agacgactgg	360
ctgagtacag	gagcaagtcg	agcagaagca	gctaccagct	ccagcagtc	tgtccatgtg	420
gaggtaccgg	cctggttgac	gaagcagaag	aaagggatca	tcgagaaaa	cagtgatgat	480
gacactgttg	ctcaagtgtt	agtaatgatt	attgcgaact	ctgccacatg	gcgaactgac	540
ggcatttag						549

<210> 16267

<211> 897

<212> DNA

<213> A.fumigatus

<400> 16267

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acttccgtca	ttacagatca	agtcagtgg	tatatcaccg	gggtcaaagt	catgaatctg	180
gatgctcaga	ctgagtgcac	acttccatgc	gcgaatataa	tcactctgtc	tggaccctgg	240
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ttggctggat	attcgctcgt	tgttcgttct	cctagacaca	cactccaaga	cgagcgggta	360
acatacgcca	accgcagtca	tgtctgtgtc	acgacacacc	ctgattcatg	cggcttctgt	420
cccagatatt	tttctcgtca	aggcggagag	atctacatag	ccggctctgaa	tgatacgcat	480

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acagacggca	ttgccaacag	gaatgacttg	gagattttac	gtgaaggctc	atgctttcga	660
cctgtctccg	cgcattggagt	tcccttcgtc	gctcgaattg	acgatcattt	gctgggtggg	720
cccaaaaactg	gctctataaa	tagatgtgag	aatggatatca	caaggggagg	agtctttgtt	780
gcgtcagggtc	atggtccttg	gggaatctca	ttgtcactgg	gaaccgggaa	agtgatttcg	840
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<210> 16268

<211> 405

<212> DNA

<213> A.fumigatus

<400> 16268

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aagattggcg	cctgcagaca	cggcgacaga	tgctcccgca	agcatgtcaa	gccatcatac	180
tcccaaacga	tcctgatgcc	caacatgtac	cagaaccagc	cctacgaccc	caagaacaag	240
atgaaccca	gccagctgca	aaaccacttc	gatgcattct	atgaggatgt	gtggtgtgag	300
atgtgcaagt	acggcgagtt	ggaggaattg	gttgtctgcg	acaacaacaa	tgaccgtaag	360
tgctatgttg	caaatacaagc	tctcgagagg	actatcgcta	actga		405

<210> 16269

<211> 342

<212> DNA

<213> A.fumigatus

<400> 16269

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caggctgctg	gcgatgcgct	caattcccgc	tggtatgcag	cgcgccgat	atattgtgag	120
ctatcacccg	tcacagattt	ccgagaagcg	tgctgccggg	taaatagcgg	cgaaggatgt	180
gtacgaggcg	gattctgcaa	tttcattcac	cggaaagatc	ccagccctga	gctcgaccgt	240
gagctccgct	tgagcaccaa	gaagtggctc	aaagaacgag	gccggggacc	gagaagtgtc	300
agccggagtc	ctagtccaga	gcctaccagg	cggagatatt	ag		342

<210> 16270

<211> 201

<212> DNA

<213> A.fumigatus

<400> 16270

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gagatggcta	actacctata	ctcttcact	catgtaaccc	tgagctggcc	tgtgaaaata	180
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<210> 16271

<211> 186

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (162), (163), (169), (170), (172), (174), (180), (181), (183)

<223> Identity of nucleotide sequences at the above locations are unknown.

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 gatgtacttg ctgttcattc tcaggagcat tcattcccta anncccttnn ancncaacn 180
 ngntga 186

<210> 16272
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 16272
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 gaagatcgaa tactatttct caacctcatt gcaagtcctt ctggggctgc agatttcgca 120
 gaacgctttc caaaccttag agtagtaaca gcgttcattg accaaggctt gaacgaaaag 180
 aagttggttg aaatctctcc cagtggatag 210

<210> 16273
 <211> 432
 <212> DNA
 <213> A.fumigatus

<400> 16273
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 gagggattaa atcatctacc agttgtcgag cgatccgtta caactcctgt gggctcgtgaa 180
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 gcaatggaac agggctcttag ggattgttgt cggctcggtt gaattgggaa aattttgatt 300
 cagagagacg aagaaacctg caagccgaaa ctcttctacg aaaagctccc ccttgatata 360
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 ttttcgatat ga 432

<210> 16274
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 16274
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 tcgaccgcag ctaatctata tcaggcgctt tccactttcc agatcagaga gtatgttgca 180
 cgcatatga 189

<210> 16275
 <211> 552
 <212> DNA
 <213> A.fumigatus

<400> 16275
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 catgcttttc gcaagggttaa gcttcgtgtg gacgagggtc agggcaagaa ctgtttgacc 180
 aacttcacg gtcttgattt cacaaccgac aaattgcgat cctcgtgcg caagtggcag 240
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 gctatgcct tcaccaagag acgcccgaac cagattaaga agaccacata tgctcgttct 360
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tgctctctcg	ctcagctcac	tcacaagctc	attcctgagg	tcattggctg	tgagatcgag	480
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<210> 16276

<211> 1305

<212> DNA

<213> A.fumigatus

<400> 16276

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gatctcgaag	gtcttcttgg	aggacatgta	agagctcatg	gaggtgtcac	gcagagcctg	180
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<210> 16277

<211> 1554

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1152), (1164)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16277

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gctcgcgcgc	aacccccaac	tacagcagcg	gtgatctcgg	aaatctacgc	tagcaccaaa	180
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acgacggccg	tgacttcttc	aaacaccgat	ttcgaaaatc	tactcgctgg	caacggcgga	420
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ctccatttgt	ccaatagtgc	tgacctccaa	gatacacttg	acgaggatat	tgagtgcata	540
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ccatttgcgc	tctcatccgc	gaaagtagat	gatgaagatg	tcatggatgc	tagcacattg	780
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gtcggtagcc	tccgtgtagt	aggagggcct	gccttcttac	ttgcgagaac	ctggggacta	1500
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<210> 16278

<211> 1362

<212> DNA

<213> A.fumigatus

<400> 16278

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agcaagatcg	aggaggagga	gctcaacaag	accaagccca	tctggaccgc	caaccctgcg	180
gatatcacc	aggaggagta	tgcctccttc	tacaagtccc	tctctaacga	ctgggaggac	240
catcttgctg	tcaaactctt	ctctgtcgag	ggtcagctcg	agttccgcgc	tatcctttac	300
gtccccaagc	gtgctccttt	cgacctcttc	gagaccaaga	agactaagaa	caacatcaag	360
ctctacgtcc	gtcgtgtctt	catcactgat	gacgccaccg	atctcatccc	cgagtggctg	420
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ctccagcaga	acaagattat	gaaggtcctc	aagaagaaca	ttgtcaagaa	gactctggag	540
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aaggagctga	agaagaaggt	tgaggccgac	ggtgaaaacg	accgcactgt	caagtccatc	1260
acccagctgc	tcttcgagac	ctcccttctg	tttccggctt	caccatcgag	gagcctgcca	1320
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<210> 16279

<211> 228

<212> DNA

<213> A.fumigatus

<400> 16279

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ggtctgaaca	ttgatgagga	ggccgagact	accgaggaaa	aggccactga	ggaggctgct	180
cctgccgagg	ccaccactgg	cgagagtgcc	atggaggagg	ttgactag		228

<210> 16280

<211> 204

<212> DNA

<213> *A.fumigatus*

<400> 16280

tcttgtgctt	tcaagacaga	tttctatcca	gtcctagcaa	taatgatgat	tggtcataac	60
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agccatggac	aagcaccggt	cgatgacacc	atcaggatcc	atccatgggt	gatgcaccat	180
ttcgatagag	ccacagccgg	ctaa				204

<210> 16281

<211> 1263

<212> DNA

<213> *A.fumigatus*

<400> 16281

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ctggacgtca	ttgactggta	ctcagataat	ctcgacccaa	gccatgtcag	actagtccgc	180
gcgctgcaat	ccatgcaggg	catgtggtct	ctggtcccg	tgggcactcg	tcctccgccc	240
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caggagccga	tgttcctgca	gaacctgcgc	gtcgcaactta	tcagccggac	tagaactaga	360
tccaaacatc	gtgcgcctag	gctgttggcg	ttcattgacc	aagctatcaa	ctattacggg	420
gatcgcgctc	tacagtactg	gcacgcaagc	ggccaagcgg	catttgattt	caaggctgcc	480
aggaaagcgg	cggtgagagc	gtacaagaag	cgcccgacgc	gcattcatcg	ccgcgaggac	540
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ggacagcgag	agtcagctgg	gttcgcagag	gcacccggct	atgtgacaag	tcaacgtagt	660
agtgatgatg	atgggtgatga	catgcagtcc	atcgctgctc	acatggacca	cagcagcgct	720
gagcagcaag	gcttataaccg	aaacgccagc	caaagagcga	gggtgcactc	tcaccacgcc	780
gagatcgctc	atgaacggga	cacggctcgt	gacgagatca	tcgcgacctc	cgaggccttc	840
ggagccagag	attgggccc	ccgttcact	acaaacctgc	ccgctggagt	gccgcctgtt	900
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ctgagcccag	tggcgtatca	ctctgactca	gaatatagcg	agacatcttg	gatggacgac	1200
ccggtgcgtg	atgcggggcc	gggagacact	acctgggacc	ttgtgtgcaa	agagagctat	1260
ttaa						1263

<210> 16282

<211> 600

<212> DNA

<213> *A.fumigatus*

<400> 16282

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gccctctata	atcaccgggt	ggaaggcttc	cttcttgata	ctgctggtgc	tggcattggg	120
tttctggtaa	cgcgcatgac	gaaccgtcag	gccatgtggt	tcttcacatg	ttccactatc	180
aagactgtgg	acgatcattg	cggctatgct	ttcccttggg	atcctttgca	acactttact	240
aacaacaatg	oggcctatca	cgacattcac	catcaaagct	ggggtatcaa	gacgaacttc	300
tctcaacgtg	tcttcacttt	ctgggatcgt	ctttttaaca	ctaagtggga	gggtgacgtc	360
aaactccgct	acgaaagatc	tcgagaggcg	gcacagaaac	aagtcgatca	ggatgcctct	420
tcagcggcag	catcttcaaa	tgaagagaat	tcgtatgagg	gccagtcgt	ctcgccagac	480
gcacccgcgg	actctaaccg	acgagcacgg	ttgcgcagaa	aaacggtgac	tttgtctccc	540
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<210> 16283
 <211> 333
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (13)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16283
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 caccggggcga tgcattctgaa tcgctggcct tacgggatgt actttgatta cgaagctttg 180
 gtcactcggg gatctccac taacagttta cagtcacttt cactctcgc catcatcggc 240
 tttatgtccc atacgccttc ggcgcctct ataatcacc ggtggaaggc ttccttcttg 300
 atactgctgg tgctggcatt gggtttctgg taa 333

<210> 16284
 <211> 354
 <212> DNA
 <213> A.fumigatus

<400> 16284
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 aatatgtgga ccatgcattc ttgggtccttt gtccctgtata atgagcttta cttggatata 180
 tttactcagt gcaatgtgta tatttctcaa ctgcactttc caaaactccg aaactgctat 240
 cgaaacaaag cttcaaactc tctcccgagt cctctcatct cccttgcggt cgggtgtgcaa 300
 cctatgattt tccttggaac aacccccaaa aatcaatctc ccaatcgtcc ttaa 354

<210> 16285
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 16285
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 gtccctcgccc gggggtcctc caagcgccaa ttcccgatc tccctcgaca gggcttccaa 120
 ggtgcccagg gcggctccgt taccggcact ccgccagtca gagttgttgc gcggaggcat 180
 gtagctcggg tcacccatgg ggtggtcctc atcgtagcga gacgctga 228

<210> 16286
 <211> 933
 <212> DNA
 <213> A.fumigatus

<400> 16286
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 aatctcatga gcgatgacct gagcacgcaa ttatcaccgg ccgctcgagc gtcagaacct 180
 gccccccgga ttgtgactca gtccgaggac cactcagttt accggccgcc tttcttactg 240
 gcgctattat ttaactccgtt caacatcata tatcgattac tgtgcacctc gttccgcctc 300
 ttcagcagct tatttccgtt cttgcctcgc ctacttaata ccaactgccaa cccagctctg 360
 cagggtgctc gaggccataa ctatggacgt cggcctcttg gaccacagga tacagccgcc 420

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aggttcatcc gcgagtttga ggaggaatac ggggtctaata ctgtgggatt tctggaaaac 480
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ctttcttccg aacatgatga taaaaacgcc tgggtccgag acaccctact ctccgaggaa 600
gtcgttgagt tcatcaaaga cctcagaat gaagtgattg tgtggggagg caatgtccaa 660
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gttattgttc acacacccaa tgtgtcttca actgccatgt ctgtcgtgtg taggatctct 780
gggacaacat cgccatccga gtttgtggag aagctccgag cagcaatttc acagaataaa 840
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<210> 16287

<211> 297

<212> DNA

<213> A.fumigatus

<400> 16287

```

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gacctgaacc accagaagaa tgcaactatt tttggctttc cgagttgggt gtacaaagcg 120
caatccagca aagatgggaa ttactacgag ctccgaagggt tagaagggtg gcatcccttc 180
atccctcatt tgtataccgc aaagtcgggtc aaggctaagt ggctctccag gctttcgggt 240
gacgaacgag aaggcgattc gatccgtcca ggcttgggaag cgggtgtgca atggtag 297

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<210> 16288

<211> 258

<212> DNA

<213> A.fumigatus

<400> 16288

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atgctcttgc tgatgatttt gaccctaata ccttccattc tcttgetttt ccttcgcctt 60
tcggacaacg ccttgacat tgcaacccca ctgaaggcag acccatacca tctgtggaat 120
ctttttggcc tgggtgcaaga aggcgcaaac gcagatctgg tgtacggttt ccaatcgcta 180
atcgctcgtt tcaggctgct ctccaaggaa atggcaacgg ccctatcaca tttacgagcc 240
cgtttgatcc tttcgtaa 258

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<210> 16289

<211> 621

<212> DNA

<213> A.fumigatus

<400> 16289

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aagggtgtgca tcccttcac cctcatttgt ataccgcaaa gtcggtcaag gctaagtggc 60
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gtgtgcaatg gtagtgtggt gacagttcac gatgctttca ccagtagaag ttttcaggac 180
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cttggcgctg ggcagcaaag gtttcaaggc cgtcataatg tgcagcacat tcccagcag 300
attctgtggg gctatatgac ccagattgcc aacgcattga aggccatcca cagcaatggc 360
cttgetgcta gagtcattga cgcaagcaaa attttactga ctggcaagaa tcgcattcga 420
ctcaacgcct gtgctatcat ggatgtggtc cagttcgata gccagcgta agttgcgat 480
cttcagcgtc aggatctggt caatttcgga caactcatcg tcacgttggg tgccaactcg 540
ccgacgggtca tgcacaaccc tacgaaagct atggagcact ttacacgtgc ctacagtcg 600
tcttcaccgc cggggcgga g 621

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<210> 16290

<211> 234

<212> DNA

<213> A.fumigatus

<400> 16290

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cacattgctg	atatcggtgt	ccttctagac	atggatgtcg	acacaatgtc	tgtaagcac	120
actcaaagtc	gctctaagaa	gccaggacgt	gttcaaaaac	gcaagaaggc	ccgttcttcc	180
attgtcttcc	aaacgcaccc	tttgaaaaca	aaaaagggat	ctcgaaggaa	gtga	234

<210> 16291

<211> 330

<212> DNA

<213> A.fumigatus

<400> 16291

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catgccagct	ctccaacggt	cactatgcc	cggcttaagg	ccatgacaac	tggtccgtg	120
ccgtccttct	tggacgtcat	attgaacata	gcagagtctg	atacgtcttc	tacccttgca	180
tatcaagata	catggctagc	gcagataaag	gcgcaggag	gtcagcttgt	tatgtacggc	240
gatgacactt	ggatcaagct	atttccggga	gtctttgata	gggtgtgacgg	gactactagt	300
ttcttcgtat	cggtcagtca	taaccactga				330

<210> 16292

<211> 462

<212> DNA

<213> A.fumigatus

<400> 16292

tatcgcagtc	gacatatgat	gacaaaacaa	cgagagatgg	actcgatcgt	tgctctaatt	60
tatgccgcaa	tggaggaaaca	ggaacatctt	cagtcgaccc	tggttgttct	gtgcggagat	120
catggcatga	acgatgccgg	gaatcatggt	ggctcgtcac	caggagaaat	ttcgcccgcc	180
ctgcttttca	tttcaccgaa	atttcagact	aaaacaaccc	cggagacag	tccagttgaa	240
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ctaataatgt	gggataatgg	tattgtcgtc	agcttctctc	tgtctgtaac	gtatttgaaa	420
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<210> 16293

<211> 1293

<212> DNA

<213> A.fumigatus

<400> 16293

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atgacgtgtg	gtgcctgtac	gtctgctgtg	gaaggaggac	tcaaagaagt	cagaggcgtc	180
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atcacgccgg	aacagctcgc	ggatattatc	gaggatcgtg	ggtttggcgc	gacggttctg	300
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cgcaccgtct	ttgatacaag	caccatgctt	attaccttca	ttacactcgg	aagatggtct	1260
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<210> 16294

<211> 306

<212> DNA

<213> A.fumigatus

<400> 16294

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cccttcaccc	acttggccaa	ctcaaacagt	gtacacctccc	cgcgattcat	tgccaacctta	120
attacaaatg	cgacctcaaa	tcgcacaccc	tacgtcttcg	ccgagctgct	cgaaacgcct	180
acgatccaag	ccctccgctc	cccaaacc	ccagaagagt	tccaaggcta	cctgaccctt	240
ttggaatct	tcgcttgggg	aacatggcag	gactaccaga	gtgagcacgc	cagcccttcg	300
aactga						306

<210> 16295

<211> 1002

<212> DNA

<213> A.fumigatus

<400> 16295

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aaaacatgga	aaggcccggc	agactcactt	gcggcactat	ctccctggcc	gaaagacttc	180
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gacaaccaga	aacaggccat	gcagaagatg	atcagcgctg	cctcggaaag	ggggctactc	840
gctcggttct	ggagtatccc	ctcctggcct	gtcagcctgc	gcagagatt	atggcggttt	900
ttggtggata	gtggggtcgg	catgttgaat	gtagatgatg	tagttgaggg	gacgaggtgg	960
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<210> 16296

<211> 486

<212> DNA

<213> A.fumigatus

<400> 16296

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gtggatgaca	ttcgtttctt	ctcaaattct	gacggatagc	ctgttaaaga	agaactacta	180
aagagagggg	ttggagcagc	ttacgcagct	tacactgtac	cctatccctt	gcagagcggt	240
ccaacaaagt	atgctccaat	ggccaaggaa	cccgaagta	ctatccctgt	gaagacgaag	300

gctccggcac cgcagttcac agcaagtgtt tacacaatcg caacgactcg gcttcctcca 360
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 ccctag 486

<210> 16297

<211> 360

<212> DNA

<213> A.fumigatus

<400> 16297

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 tgtacattag cagatgttga cttcaccttg ccaaccattg gcacgaattt caagggtggc 180
 gacgttggtta cagtgcactg gtgcgagtc ggcagcctc cacgaatttc ggaactgtca 240
 caatacgatc tttccctcta cgcaggagga gataaggctg ataccaggt gagtagctgg 300
 gcactacaga cagctcacgg gtcctgttta acggaaagag agccaactag tatgaagtag 360

<210> 16298

<211> 297

<212> DNA

<213> A.fumigatus

<400> 16298

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 gttctgaccg gttacatttt tcaggcgcta gcagctgtcg gacaatgcag actcatgagc 180
 ctgtgggacg gtttattttc acaccttcga ctccctgtag cgcagatcct ctttaaccagg 240
 aatgacattg cggatgtgag gactcattca ctgcaactct ggaccaaaaga tatctaa 297

<210> 16299

<211> 849

<212> DNA

<213> A.fumigatus

<400> 16299

tctgacaaaa ctcacaagga aatcaaattc ggtgataatg acactttatc ggccataacg 60
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 tcgaaccctc gtcacaaccc ggatgctaag cccatcgagg tggtttcga catctcttct 180
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 ggacagtctt caacggtaga gacaacgccc tcagagtcac aatcacccgtt gtcgcccgtc 420
 ctacatacgc ggtttttacc ttcagacaca ccaattcaat cccggtcatt ctgggtcctg 480
 catgggtctc agccacgtgg gagtctgtac atcgaccatg gggcatatag cgctcttttg 540
 aacaaagcca gtctcctacc agcagggtgc gtcggtgtgg atggccaactt cggccaacag 600
 gaagccgtgc gactggttgt tgttgagcga ctctcgccag actctctcaa cgggagcttc 660
 ctccaccaac ggcaggaacc cagggaagtt ggcggtgcac tgggtcaatta cggcagtact 720
 gagattgcac gcataaaggg tcacagaagc acacacattt actccttgct gggatatgct 780
 gatagcgaat acattgctct tcgggagaat atatcctttt ttcggtcgga tgattccgta 840
 cgccaatag 849

<210> 16300

<211> 198

<212> DNA

<213> A.fumigatus

<400> 16300

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ttaatcgtcg	agacagccgc	caagctacgt	agggatgggc	ataatgtagt	cctcgtttct	120
tctggcgctg	ttggcgttgg	tttgccggagg	atggatgtgg	acgagagacc	caaatatctt	180
cctcgcatac	aggtataa					198

<210> 16301

<211> 183

<212> DNA

<213> A.fumigatus

<400> 16301

gagaacggga	acctcacagc	taaggcatca	cgcccaatgg	aaatgtggtg	gcgccatgat	60
tactcagtag	aacccgcggt	tggttggaac	aagctggagc	tccaactatt	ctgcacaacg	120
ccatatgtgg	aagatgggtg	gcattttgac	ctgatactat	tectcaagct	tttattggct	180
tga						183

<210> 16302

<211> 747

<212> DNA

<213> A.fumigatus

<400> 16302

cttgaaagca	agacatcccg	cttggctaaa	gcgacccaaa	ccacgcacac	atctcaaaca	60
tctacctcag	ccatcgtcag	cctccccct	tcagtaccga	ctgcatcaaa	tcgctaccgc	120
tccgtcaatg	attattcggg	gaaggatgtc	tcgaagaatc	ctgttaggta	tcgtttgaag	180
gatactcctg	gccatgggaa	actacgggag	gcccagggcc	tttcagaact	gggtgtcaatg	240
gcgactgcga	aggacaagaa	attgaagctg	cgcgctgtca	tttttatggg	agacactgca	300
gctttgaccg	aggaacaacac	gttaagagac	accgcaccc	atcttgacga	tggtctcttc	360
gctcttcaga	aacgcgcttt	gaagagaggc	aagtcttcgg	ccaaggtagc	atcggaatc	420
cccgtcctcg	tagccgccaa	caaacaagac	ctattcacgg	ccttgccgcc	aggctctgtt	480
cgtgaaaaac	tggaaccga	gatcgatagg	atccggaaat	ccaagagcaa	ggggctcatg	540
aatgccagcg	aggacactgc	tacgggttag	gacgaagatg	ataccttggg	cagcatcgat	600
gcgcaggata	atttcagctt	caggctacta	gaagatgagg	tcggtgtgaa	agtcgacgtc	660
ggtggcggag	ttgtaaaagg	cgatgaggag	ggcaatattg	gagccgggtg	gaggagatgg	720
gaagaatgga	tcggacaatg	cctatga				747

<210> 16303

<211> 894

<212> DNA

<213> A.fumigatus

<400> 16303

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gccgaagatc	aattcagcaa	tgtgatcagt	gcctttgtca	gcgtgggtgaa	cggcgccctcc	180
gatgatggca	atgcgagca	ctgggtcgcg	tttgtccata	cccaaggaca	gaacgtcgct	240
gcggccgaga	tcacatatgt	caagaacgtc	agcgagccgg	tgattttcgc	gccctaccgt	300
gctattcccg	cggtccagga	taccacagcg	gccaggacct	tggtggagta	ctgtgacgcc	360
gtccaggagc	tcaatcccga	cggcctgcgg	gagatgtact	ggacgctcac	ccttcacttg	420
gacgaggact	ttgcgaactg	ggttactggg	tacttttact	ccgttcttcc	gcagggtttg	480
agcatccagg	gtatcaatcc	tgccctcgtc	aatcaggggca	ttacgatccc	catgctcaag	540
aacatgacgc	gcaacggggg	caatgcactg	ggtctggacg	cctcccaggg	tccatttcac	600
ctcctgatga	tgtcgatctg	gtgggagaat	gctgatgacg	acgacaaggt	acttgcatgg	660
gcgaaggatt	tctgggaaac	agtcaccgcc	aaggcgaaaa	aggatggcgt	gttccatgac	720

tatgtctaca	tgaactatgc	gagccagtat	caggatgtta	tgcggggtta	tggggctgcc	780
aataaggcca	agctgcagag	cattgccgcc	aggatgatc	ccaagggtgt	ctatcagacg	840
ctgcagccgg	ggtatttcaa	gctggctggc	gcacctgcct	cggaattcact	ttga	894

<210> 16304

<211> 228

<212> DNA

<213> A.fumigatus

<400> 16304

tatcaatcat	acttcatgtg	ttctacagat	gaagaatata	tttctgcatt	tatcggatac	60
tactactatc	tcacatttca	gagcgtcata	cttggaagat	ataatccttg	cactaacaat	120
ggctacaata	tgcttcaatg	ctcacacatc	aagagggttc	taatatatag	gtgggtattt	180
atccacataa	accaagttaa	ccagtacatt	atgcatgttt	acacttga		228

<210> 16305

<211> 810

<212> DNA

<213> A.fumigatus

<400> 16305

caccacactt	tacgttttctt	ctcaaccccc	tccctcattc	tttcggcttt	gtgggtgcagc	60
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aaagcatcgt	ccagtgcctt	tgagccagac	aatttcgatg	tcaacgcgcg	gctttataat	180
cttgggggtgg	gatgtttctac	gatccctgcc	ctgaaggcac	tgcagcccca	attcaaccaa	240
aattgcctgg	tcgtgcaact	gtcagtaacc	tccattggta	aatccaggac	atatatacga	300
aggactgatg	tttcacagtg	tggtgctctt	ggctttctgt	acggcccaag	tagagcggtc	360
gcgcagaata	ccactgcgta	ctccaacgcc	acaggatcgt	actggtcagc	ccagcaggag	420
gaagttcgtc	ctgactgcat	cttccagcca	tcggtaaaca	ccgatgttct	tatgattgtc	480
cttctcgcaa	ggtataccgg	ctgtcccttc	gccatcaaga	gcggtggcca	tgctgccttt	540
gcgcggtgcat	cgagtatcca	gggaggaatt	actgttttgc	tgaaggacct	gaacaccatc	600
actctaaatg	acaatagggtc	cgtcgtgtca	gtcggtcctg	gtaatgtctg	ggtccaggta	660
tactcggcct	tggagcccta	tggccttgct	gccatcggcg	gcccgggttc	cacgatcggt	720
gtttgagggc	ttacgacagg	agggtgggatc	tcgttctact	ccaatctata	tggttgggct	780
tgcgataacg	tcgagagctt	cgaggtatga				810

<210> 16306

<211> 474

<212> DNA

<213> A.fumigatus

<400> 16306

cggtatagtt	ctatcctgac	cggcctgcct	gccggcacgt	atggatccgg	gaataattgg	60
atggaaagcg	aatggcatgt	ccaaaactct	ccttttccca	atctctattg	ggctacgact	120
tcttggaaca	tgggtgcggc	tttctggcct	ttgatcttcg	tgctcttac	cgaatcctcc	180
ggtcgcgatg	ctggctactt	cgtttcatat	attatcctgg	tcgctacact	attcggatcg	240
gccttcgcac	acaattttgc	tacaatcgta	gtcacccgct	tctttggcgg	tggagcgctg	300
tctgtctoga	tcaatatcgt	cggagggagt	atcagcgacg	tgtggcaagg	tggcaaagcc	360
cgtagtctgc	ccatgtctct	gttcgggttt	acaagtgtga	tcggaattgc	cctgggcccc	420
ttcatcggct	ctgcaattgt	gcaaattaag	aaggatgacc	cgtggagatg	gtaa	474

<210> 16307

<211> 702

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (70)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16307

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ttgttcctcg	aactcttcat	tgcgatcatg	aaagagtacc	agcaagacca	tgcgcgccgat	180
gccgagctgc	tttgcgtcct	cgcagccac	atgaacttct	tctccgcca	atcctcccct	240
acatctcaag	cgtccaaagc	cgcctacatg	actagtctct	gtaccgacat	tgctctcgcc	300
atccagatgc	tgcagatgg	cttcccgc	caaacagccc	tgctgaggcc	aaattctgtc	360
ccggactctc	cagggtctcac	gaccacctct	actgcgtcga	cctttggacc	tgagatactc	420
gagagctcgt	catggccggc	gggcaccccc	acctcatata	taggagatcc	ctcctgggaa	480
ttatcctcct	ttgccactga	cggaaacctt	aacatgaaga	tgacgaaac	gcaggccaag	540
tcttacgagc	agtatggact	ttccgctgaa	agtaccccca	ctgcaggatt	tgcttacaga	600
tcagacctgg	cgggggatggg	ctcgatggag	tttgatgcaa	tgcttgatac	gtttgcttca	660
tatgatcatg	taggcgcact	tctgcatagc	gaccgaattt	ag		702

<210> 16308

<211> 300

<212> DNA

<213> A.fumigatus

<400> 16308

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caagtctctc	ttcccatag	gggtatgtgg	attaacgac	gaggctgctg	gaccgtcagc	120
taccacatca	tgtatagtct	cggcaaccga	gttaccaagc	actctcctac	ccgcgggtac	180
agcatggctc	tcagggctgc	gatgacgggt	cggcttgctg	cgtggctggg	tcttgtctct	240
accatgcagt	gcattccccg	cgtgtgtggt	ggtgttgctg	tggtgaatat	ggacctgtag	300

<210> 16309

<211> 282

<212> DNA

<213> A.fumigatus

<400> 16309

ctacctagtg	gtcctatttg	tatgcataat	aatccgcttt	gggttctctc	gtataaaata	60
caaacaagct	tactgcattg	gaacaatatg	catgagcaca	aactgcatgc	cgcgcataac	120
cctgttgatc	aagcatttat	ttcgtgcag	tcgagggtc	aacggagcgg	ggtaacaacc	180
gtgcgccgat	taacacagat	cgatctgaat	aacttcatct	ccaaacaccc	ccccccaatc	240
gtcgctaaac	tcctcgatcc	cactgtcatc	acgccaagat	ga		282

<210> 16310

<211> 576

<212> DNA

<213> A.fumigatus

<400> 16310

atctactatt	gcattgctgt	gctggccatc	gtgggcgcag	gcgggatcta	caccgggacc	60
aatccgtcct	acacgacgag	ggagctgggt	catcatttca	aggcggccga	cgcaaagttc	120
gtggctctccg	agccggagat	tgtgacgtct	attcttgacg	ccgtcaagga	gcgaggcatc	180
cccgaaggaa	acctgctcat	cttcaatgtc	ctgggacagg	aagtaccgcg	cggtcgacga	240
tcattggacgg	atctcttcag	ccacggcgaa	gaggactggg	tagcattcca	cgacctgcaa	300
cgagccaagg	aaaccaccgc	cgtctgacta	ttcagcagcg	ggacgaccgg	cctccccaaa	360
gccgtgacct	tcacgcatca	caacctcatc	gcgcagcacg	agctgggtctt	cgaggcgcat	420

ccccgccc	at accaggtttc	cgcacacacc	gcatgcccc	tcttccatcg	gcgcgcggg	480
ctttgcacac	gtcggcgcca	tcaaaaccgg	gcacaccacc	tacatgatgc	gccgttttc	540
acctgaacc	gtacctggtg	tggcacgaga	aatacc			576

<210> 16311

<211> 213

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (210)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16311

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gtcccagtga	tatttggtga	aatcgtgcct	cagtcaatat	gcgtccgata	cggctctccg	120
atcggggcct	ggatggctcc	ctgcgtccta	gtgctcatgt	acatcatgtc	cccagtcgct	180
tggcccctgg	ccaagctgct	gtacagtatn	tga			213

<210> 16312

<211> 300

<212> DNA

<213> A.fumigatus

<400> 16312

ttcccttccc	tccgcaggac	gtgtgtttgt	ccattaagga	ccccagccc	gcccaccaac	60
acacgcccgc	ctcaccagcc	caccgtcccc	atcccccaag	tccaaccggg	aagtccaagt	120
ccccggcccc	aaggcaattc	cttccctccac	tgccccctt	atccctggcg	agcgccgtgt	180
gcgtgtccat	caaggacccc	tagcccaccc	acgttccgca	acacgcgctg	ccccggttta	240
ccttatgcc	ctgcgaggat	accgagccga	aaacgtcaac	atctagggaa	ggaggaatat	300

<210> 16313

<211> 2703

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1249)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16313

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ggagcaagtt	tggtgatact	tgacactcgt	gttgtgtttc	ccctgcctcc	tgtctcattat	180
ctctctctcc	ttttctgtct	tctctctctc	tctctctctc	tctactctct	ctcttctctc	240
gcgaaatcat	ctcatatcac	catctttcaa	tcttctaaag	cgataatcaa	gcaaatactt	300
actcgtcaat	caagatatct	tcatatcaaa	gaatctcatc	aaggagccac	caagcgcttc	360
tctctctctc	gcaacatttc	aaaagacaag	aatcttgtgt	tgtcgaattc	ttttccctcc	420
accaccctcc	caagcacgat	gacttctcac	gttgagatgt	acttccctgta	cggagaagcc	480
tacgaagaaa	ctgccccagt	tacaagggtg	gaggcctgga	tcagtcagtt	cgcttacgcg	540
gacttgacga	ccggcgccgc	gctttccttt	gcgctcgtca	ctcttctggg	ggtcatggct	600
ctgttttggg	aggatctcgc	tccctggatc	tcggccgctc	cgaagagact	cgtctcaccg	660
atccttgccg	tgggttctgc	agccagttcg	ctcgttatgc	agctgggttag	catccgctct	720
cgtcaggagc	tcggcaccat	cgtgcagggt	tgggtcaagc	agccgattgt	cgactgtcgc	780

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ctcgtccgac tegtctccgc cgtgggcagc tgggtggtcc cctccaatca acccctgaca 840
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ttccctcttt cgcagttcct gtctggcttc gccggcgggc tagtgactga gacgaaggag 960
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tccatcaaca ggccggcagga tgacttgatg aacctgatca gcaggtacga aggcattcct 1380
tccgaaaagg aacgtctcct gtccgccacg acccagaagc ttagggcgac cgagcaacgg 1440
ctggaggatg gctgggctca agccaagcgg ctggctgccc tccacgtcaa acgcgacgag 1500
gaaactcgcg ccctgagtc gaccgacgtt gctcagttgc gacgcaagct cgcggaaacg 1560
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gactctcgtg gccgggcaaa cgatagcgaa gccgaacgtc gccaactcgc cgatcgcgtc 1860
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gccttcgggc tgatatccgc cctgcagcac gagctcgtgt cgacaagagc gacggcggag 2040
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cgacaatcca tgcaggaact caggcacacc tgcgacttga ctctcgcgca ggaacgtgcg 2160
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cgttgggaca agagagtgcg tgagctggag gaggacaacc gaaagctgcg cgtctctctg 2640
tcgaacgcag aggcagcgtc gggccgcgcg cctggcggtc gccggcctcc tactctccc 2700
tga 2703

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<210> 16314

<211> 816

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (803), (813)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16314

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gccctcttct acgtcttcgg gccaaattac acaatcgacg gcgatgactc gaacgacagt 180
aacgcgaaaa aaagcattgt ggggctgtcg aatccggcaa acgactgctt catcaactcg 240
gttctacagg cgtcgcggg tctgggtgat ctgctgtgat acctgatcag ggaattacat 300
cggcgtgaac tggatggacc ggacgtatat aactcactgc cagaggcaaa tgagacgccg 360
cgggggatga cgcccagag aatccgcgaa ctacaacagg gtacgatcac gcgagctctg 420
aaagatagtc tggaccgatt gaatgagcgt ccgatttaca agaagaccat caccaaccgg 480
gctttcatcc aggcctctcg gtacgcattc cgtactcgga tcagccgcaa tcagcaggac 540
gcgcaggaat tcttcagat cgttcgggag cgtctttgtg acgagtacca tgccgggttg 600
aaggcacgac agcgtgcaca aggtcttcct gcaacgctgc caggctcggg cggatgaagaa 660

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tcggtgcaaa	gcagtgtctgt	cgagaaggga	tctgtctgaaa	tccaagtgcg	gattgacgat	720
gggactgaga	tgggccttcc	ggcaatcatc	gataacaaac	tgaaagagat	cgacaagcgt	780
cttcaccacg	ggggtcggcc	ganccgcgct	agncat			816

<210> 16315

<211> 324

<212> DNA

<213> A.fumigatus

<400> 16315

ggagttggag	cagttaaact	gagattcgtc	catatacctt	tcttcggacg	acattctcac	60
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cccaaagatg	cctacatcct	cggtctgaag	gagcttcccg	aggacgattt	tccgcttgag	180
cacgtacaca	tctcctttgc	gcaactgtac	aagcaacagg	ctggctggga	gaaggtgctc	240
agccggtggc	cccgcggagg	cggcaccctc	ttggacttgg	agttcctcac	agatgagact	300
ggacgccgag	tagctggtgg	gtga				324

<210> 16316

<211> 255

<212> DNA

<213> A.fumigatus

<400> 16316

aattatcttg	gtttgctatg	tgtcacatat	tggggaaggc	tcacgttatg	tacaggttct	60
gctttggcca	ttaagaactg	ggcctggcaa	ttgacgcata	ctgagggcga	gccgcttcct	120
ggcgagactc	cctacgcaaa	ccaggatctg	ttgattgagt	cagtgaagga	gtcgttggag	180
tctggcaaga	agctgtccgg	caggccgccc	aagtgcttg	tcattggagc	tgtgagtgtg	240
catttgatga	gctga					255

<210> 16317

<211> 207

<212> DNA

<213> A.fumigatus

<400> 16317

tctagttttc	taggtggccc	cttcagagag	attgtcgagg	atgcagacat	tttcatcaac	60
tgcattctacc	tctccgctaa	gatccctcct	ttcgtcaaca	ccgaaactct	gtctttctcct	120
aaccgccgct	tgtccgtcat	ttgtgacgtg	agcgccgaca	cgtatgtttc	actctggact	180
cttgaggaga	aaggacgttc	tcactaa				207

<210> 16318

<211> 309

<212> DNA

<213> A.fumigatus

<400> 16318

cattctggtc	ttgtcttact	cagaaccaat	cccaacaatc	ctatccctgt	ctattccatc	60
acaaccactt	tgcacaagcc	cacagtcact	gttcctcttc	cggaactggc	ccagggccct	120
ccattgagcg	tgatcagcat	cgaccacctc	ccctccctcc	ttcctcgtga	aagctccgag	180
atgttcagcg	aagccttact	gccgagccta	ctgcaactca	aggatagaaa	gaacgctcgt	240
gtctggaagc	aagcagagga	cttgttcaac	gaaaaggttg	ctaccttgcc	cgagtogatg	300
cgcgcttaa						309

<210> 16319

<211> 372

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (23)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16319

tggatcgcgt	gtcctgccag	ccnccgtggt	agaagatctg	agcccctaca	cggcactgtc	60
atcgacctct	tcgaccaatg	gattaaaaaa	tcccccgaga	gagttgcagc	agagtggcaa	120
ggcaaattctc	tcacctacgg	ggctctccac	gacgcctctc	tccatgttag	tcgcgcttta	180
ttattggccg	gtgtattgcc	acgcgcccga	gcgccgctgt	tgacccaaat	gtcactggag	240
attcttccgc	cagtgatcgg	aattttgagg	gtagggctct	gctatgtgcc	aatagatgtg	300
gccgcctgga	gtcgtgtccg	catcgaggcc	cgcgctctcc	gagccggcct	ccccggtagc	360
ggtcatcact	ag					372

<210> 16320

<211> 258

<212> DNA

<213> A.fumigatus

<400> 16320

cttgaagtgt	ggacatccct	tcttaaggggt	ggccctgccca	gtctgttcat	tgaataacctg	60
attagtagtt	caattctctg	gtccgtctta	cagtgtattg	gtgagatggc	tgttgtgtac	120
cctctgctgt	cggcttttgt	acagtggact	atgatcttta	ttatcccagc	agctggggtt	180
gctttgggct	ggggatactg	gttttctctac	tggattacca	ttactaatga	gcttcaggta	240
cagatcacga	cgctataa					258

<210> 16321

<211> 255

<212> DNA

<213> A.fumigatus

<400> 16321

tcattcatta	atggctttga	aggattcatt	accatcctcc	ctacatgtgt	ttttgcaatg	60
gctgggtcag	aaaatgctgc	cttggtagcg	acagagggtg	caaatccccg	acgatcagtc	120
cccaaagctg	tcacgtccac	ctggctccgt	cctggactct	tctatatact	agggagccta	180
atgattacac	tgactgttga	ccctaaggac	cccaacctgt	ttggggggctt	tggaagcaat	240
gactgccect	tgtga					255

<210> 16322

<211> 360

<212> DNA

<213> A.fumigatus

<400> 16322

ggagatgaag	gagtccaatc	atggcaaggt	cctaattctca	gagcctgggt	tggctgctgg	60
atatctcaac	aattcttacat	taacagcaaa	aaaaatatca	aatggaacgg	cgagcgcttc	120
tacaggacag	gggatctcgc	acgcacgact	gaagatggac	agctgatatg	ggcaggttgt	180
gcggtattctc	tcgtcaagaa	tcgcggcttc	ctgatcaata	tgagagaccga	agttgaacca	240
gcaatacagg	cttatcctca	ggtcaactta	tctgtggctt	ttcagtggcg	tgataggctt	300
gtgtgttgtg	tacagccatc	cacagttgat	gttggaagaa	ctacacaaat	ttatgcatag	360

<210> 16323

<211> 297

<212> DNA

<213> A.fumigatus

<400> 16323

cgagagcag	gccaatatgc	cggcgggtccc	gtctacacac	tggccctgct	aggettcaaa	60
gtctcgcttt	tggcctcgta	cctccgtatc	ggcgggttcg	tcaaggccta	ccgcaccgtc	120
atcatcgccg	tcatcgtcgc	ctgtgtctgt	aaccagctgg	cttttacgtt	cggtgtgtgt	180
tttgctgtc	gcccgatcgc	caggcagtgg	gatatgtcga	ttcaaggcag	ctgcatcgat	240
accgttgc	cttactacgg	taggtccgcc	cgttctggtg	cggccgtgcc	agactaa	297

<210> 16324

<211> 492

<212> DNA

<213> A.fumigatus

<400> 16324

atcgtcttcg	tcatcatg	gccccttctt	caccaacggc	acctgcgacc	cgttccaccc	60
ggtctcgaag	ccctgcacgc	tgggcaacta	cggtggtctac	gcgggtcaacg	tgagcagacc	120
cgagcacata	cgacaggcca	tgcagttcgc	cacgaaacac	aacatccgcg	tggttgtccg	180
caacaccggt	cacgactaca	acggcaagtc	cacggggggcc	ggcgctctgg	cgatctggac	240
gcaccacctc	aaggacatcg	agatcaagga	ctggtccgac	cagcactacc	agggcaaggc	300
gatcaagggt	ggcgccggcg	tgcaaggcat	cgaggcggtac	cgggccgccc	acacgaacgg	360
cctcgagggtc	gtcggcgggc	agtgtccgac	cgtcgggactg	gccggcggtc	ataccaagg	420
cgggcgggcac	tcggcgctgg	cgccaggcca	cggaactggcg	gccgaccagg	tcctcgagt	480
ggaggtgatt	ga					492

<210> 16325

<211> 855

<212> DNA

<213> A.fumigatus

<400> 16325

cggacagggc	aatttctctg	tggccaaccg	cgacaacgag	cacgcggatc	tgtactgggc	60
gctgagcggc	ggcgggcgcg	gcacctacgg	ggtggtctgg	tcatgacgt	ccaaggcgca	120
cgcggggacg	ccggtgtcgg	gcttgaacct	gacgtttacc	aatgccggca	tctcgcagga	180
tacgttctac	gaggcggttg	cgctgtacca	ttcgacgctg	ccggccatcg	tcgacgccgg	240
cgccatgagt	gtctggtatt	tcaccaaac	cagcttctcc	atctcgccgc	tgacggggcc	300
gaatatcccg	gtcgccaagc	tgcgggagct	ggtccggccg	ttcaccgacg	gactgaccgg	360
gctggggatc	acgtatacca	cctacgcggc	gcagttcgac	agctacttgg	cggagttcga	420
ggccatgcag	agcccgatcg	aggctcggcat	cgcgagctac	ggcggtcggc	tgattccccg	480
gtcggctcgtg	cagaccaaca	acgccgagct	caccgcgcgc	taccgcgcca	tcacgtccga	540
tggcgccacc	ttcatcgggc	tgggactcaa	cgctctgacc	gcggtcaccg	gcgacgtctc	600
caacgcggtg	ctgcccgcct	ggcgcgacac	gctgatcgac	accgtcatca	cgacgccttg	660
gaactggacc	gctccgacgg	ccgacatgat	cgcgctgcag	cacaagatga	cggacgagta	720
cattccccgg	ctggaggcgt	tggcgccgca	gtccggggcg	tatctcaacg	aggcggattt	780
ccggcagccg	aacttccaga	cggcgtttta	tggtgcgaac	tatcagaaac	tgcgggccat	840
caaggccaag	tatga					855

<210> 16326

<211> 363

<212> DNA

<213> A.fumigatus

<400> 16326

ccaggaacaa	gtctcgctct	cgactgcata	atcatcgccc	tccccctccc	cgctctgata	60
acctccggcc	tccagcgccg	ccaaaaagcc	gcctcctctg	ccgtcttcgc	tctcggtctc	120
ttcgtcacca	tcatecagat	catccgcata	tttaccatca	agaacctcaa	aacgtacaca	180

gatagccagc	ctatcggttct	ttgggtctgtc	attgaaatta	gcctcggcgt	atgtctcccc	240
caccattcc	ccccctcttc	cccccaaccat	cacttgctcc	gatccagtca	tcgctcgctt	300
cagtcacgc	tcgctacact	cctctcgctt	cgcaagctcg	ctaactact	gacgggcagg	360
taa						363

<210> 16327

<211> 1461

<212> DNA

<213> A.fumigatus

<400> 16327

gaaactgaca	aagcaagcta	tgaatcgctc	tcgtcgatca	tgggccccct	cttcaccaac	60
ggcacctgcg	acccgttcca	cccggtctcg	aagccctgca	cgctgggcaa	ctacgtggtc	120
tacgcggtca	acgtgagcag	acccgagcac	atacgcacgg	ccatgcagtt	cgccacgaaa	180
cacaacatcc	gcgtggttgt	ccgcaacacc	ggtcacgact	acaacggcaa	gtccacgggg	240
gccggcgctc	tggcgatctg	gacgcaccac	ctcaaggaca	tcgagatcaa	ggactggtcc	300
gaccagcact	accagggcaa	ggcgatcaag	gtggggcgccg	gcgtgcaagg	catcgaggcg	360
taccggggccg	ccgacacgaa	cggcctcgag	gtcgtcgggc	gcgagtgtcc	gaccgtcggg	420
ctggcggggc	gctataccca	aggcggcggg	cactcgggcg	tggcgctccg	gcacggactg	480
gcggccgacc	aggtcctcga	gtgggaggtg	attgacggac	agggcaattt	cctcgtggcc	540
aaccgcgaca	acgagcacgc	ggatctgtac	tgggcgctga	gcggcgggcg	cggcggcacc	600
tacgggggtg	tctggtcgat	gacgtccaag	gcgacgcggg	ggacgcgggt	gtcgggcttg	660
aacctgacgt	ttaccaatgc	cggcattctc	caggatacgt	tctacgaggc	ggttgcgctg	720
taccattcga	cgctgccggc	catcgctcga	gccggcgcca	tgagtgtctg	gtatttcacc	780
aacaccagct	tctccatctc	gccgtgacg	gggcccgaata	tcccggctcg	caagctgcgg	840
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gcggcgagct	tcgacagcta	cttggcgagg	ttcgaggcca	tgacagagcc	gatcgaggtc	960
ggcatcgcg	agtacggcgg	ctggctgatt	ccccggctcg	tcgtgcagac	caacaacgcc	1020
gagctcacgc	ccgcgtaccg	cgccatcacg	tccgatggcg	ccaccttcat	cggcgtggga	1080
ctcaacgtct	cgaccgcggg	caccggcgac	gtctccaacg	cgggtgctgc	cgccctggcg	1140
gacacgtgta	tcgacaccgt	catcacgacg	ccctggaact	ggaccgctcc	gacggccgac	1200
atgatcgcg	tcgacacaaa	gatgacggac	gagtacattc	cccggctgga	ggcgttggcg	1260
ccgcagtcgc	gggcgtatct	caacgaggcg	gatttcgggc	agccgaactt	ccagacggcg	1320
ttttatggtg	cgaactatca	gaaactgcgg	gccatcaagg	ccaagtatga	tccgaatagc	1380
ctgttttatg	ggacgaccgc	tgtgggatcg	gacgagtggg	ccgtcacgtc	ggatggacac	1440
ttgtgcaagg	ccacgccata	g				1461

<210> 16328

<211> 300

<212> DNA

<213> A.fumigatus

<400> 16328

ataccgcggg	gcaatgcttc	cgtagcaagc	atggggtggg	tgtacaatct	caaaaccccc	60
gaccctcaca	gccaaagtcc	ccgtgtcatt	gccatctgcc	tgggtcttcc	cattgtcgcc	120
ttcctggcgg	ttctttttcg	gctatatgtg	cgcatccaca	ccaaacgcgc	cgccgggggc	180
gatgattatg	ccgcgctggt	cagttcgatt	ctggccatcg	cctatggcgc	gataagcatt	240
gcgcgtgagt	ctctccaaca	caacactgga	gttgcaatgg	cgatgatgct	gactggctga	300

<210> 16329

<211> 213

<212> DNA

<213> A.fumigatus

<400> 16329

caagtcaaac	agaccaagaa	ccccacccg	aatgtggacg	ccgcctccgg	agtcctcttc	60
------------	------------	-----------	------------	------------	------------	----

taccactacg	gcttccagca	gcctctatac	tacaccgtca	cctttggcgt	cagccgtgct	120
ttgggaccat	tggtgcagct	catctgggac	cgggccttgg	gcttaccat	cgagcgaccc	180
aagagtatca	atctgctggg	attgaagaag	tga			213

<210> 16330

<211> 345

<212> DNA

<213> A.fumigatus

<400> 16330

acgtcaggtt	caagcccagc	accggcgctc	ccgcgtgogc	cttggacgtc	atcgaccaga	60
ccaccccgta	ggtgccgcgc	ccgcgcgcgc	tcagcgccca	gtacagatcc	gcgtgctcgt	120
tgtcgcggtt	ggccacgagg	aaattgccct	gtccgtcaat	cacctccac	tcgaggacct	180
ggtcggccgc	cagtccgtgc	ctggacgcc	gcgcgcgagt	ccgcgcgcct	tgggtatagc	240
cgccggccag	tccgacggtc	ggacactcgc	cgccgacgac	ctcgaggccg	ttcgtgtcgg	300
cggcccggt	cgcctcgatg	ccttgcaacg	cggcgccccc	cttga		345

<210> 16331

<211> 1518

<212> DNA

<213> A.fumigatus

<400> 16331

agtatagctc	cttcacatat	cctcttaca	gtatacactg	ttcgactgcc	gtacgggcta	60
tggcgtggcc	ttgcacaagt	gtccatccga	cgtgacggtc	cactcgtecg	atcccacagc	120
ggtcgtccca	taaaacaggc	tattcggatc	atacttggcc	ttgatggccc	gcagtttctg	180
atagttcgca	ccataaaacg	ccgtctggaa	gttcggctgc	cggaaatccg	cctcgttgag	240
atacgccccg	gactgcggcg	ccaacgcctc	cagccgggga	atgtactcgt	ccgtcatctt	300
gtgctgcagc	gcgatcatgt	cggccgtcgg	agcgggtccag	ttccaggggcg	tcgtgatgac	360
ggtgtcgatc	agcgtgtcgc	gccaggcggg	cagcaccgcg	ttggagacgt	cgccggtgac	420
cgcggtcgag	acgttgagtc	ccacgcccga	gaaggtggcg	ccatcggaag	tgatggcgcg	480
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gccgtactgc	gcgatgccga	cctcgatcgg	gctctgcatg	gcctcgaact	ccgccaagta	600
gctgtcgaac	tgcgccgcgt	aggtggtata	cgtgatcccc	agccgggtca	gtccgtcgg	660
gaacggccgg	accagctccc	gcagcttggc	gaccgggata	ttcgggcccc	tcagcggcga	720
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attggtaaac	gtcaggttca	agcccagac	cggcgtcccc	gcgtgcgcct	tggacgtcat	900
cgaccagacc	accccgtagg	tgccgcgcgc	gcgcgcgcgc	agcgcgccag	acagatccgc	960
gtgctcgttg	tcgcggttgg	ccacgaggaa	attgccctgt	ccgtcaatca	cctcccactc	1020
gaggacctgg	tcggccgcca	gtccgtgcct	ggacgccagc	gccgagtgcc	cgccgccttg	1080
ggtatagccg	ccggccagtc	cgacggtcgg	acactcgccg	ccgacgacct	cgaggccggt	1140
cgtgtcggcg	gcccgggtac	cctcgatgcc	ttgcacgccc	gcgcccacct	tgatgcgctt	1200
gccctggtag	tgctggtcgg	accagtcctt	gatctcgatg	tccttgagg	ggtgcgtcca	1260
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aaccacgcgg	atgttgtgtt	tcgtggcgaa	ctgcatggcc	gtgcgtatgt	gctcgggtct	1380
gtcacggtt	accgcgtaga	ccacgtagtt	gcccagcgtg	cagggcttcg	agaccgggtg	1440
gaacgggtcg	caggtgccgt	tggtgaagaa	ggggcccatg	atcgacgaag	acgattcata	1500
gcttgctttg	tcagtttc					1518

<210> 16332

<211> 1218

<212> DNA

<213> A.fumigatus

<400> 16332

cccgctggat	ccttccagcc	ccgtgggtgaa	gaccgatatt	ataagattga	gccgacccag	60
cggaccgctg	agcaaaagac	actcgaaact	ggactcagtc	caaaggaaga	aatcgccatt	120
gctagcaagc	tgatcacacc	cctggaagga	ctcgaacagt	atggttatgt	gaccaggaag	180
cctacaaagg	aagaagtcga	gaatgcacgg	aggggagtc	gagagtcgaa	gggctgggag	240
aagtgtgaca	gatgtggcgg	acgatttcaa	gtctttctctg	gccgtcgtga	agatggctca	300
ttgaccactg	gaggtcagtg	cacataccat	cctggcaagc	catactaccc	accgaggaga	360
caaacagacc	atatcaccgg	tgctagagat	gcatactttc	cttgctgcaa	cgagtccatc	420
ggaacttcgt	ctggctgtac	caagggaaac	acgcattgtg	tcaaagtatc	tgaatctaaa	480
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cagccgggtc	gtttcgactg	cgagatggga	tacacaactc	tcgggcttga	gctcattcgt	600
ctaacagctg	tcagctggcc	ccaaggaaaag	ctccttttgg	acatcctcgt	tcgacccatg	660
ggcgaaattc	tggaacctcaa	ctcgcgcttc	tcaggcgtgt	ttcccagaca	ttatcaaaag	720
gcaattccct	ataaaagcac	tagcagccct	tccactactg	gggatggcgc	cttgacaggtt	780
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gctctcgtca	agaagtattt	ggatcgagac	attcaaacia	aaggcagcca	aggccatgat	1020
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aagatcttga	agtccaaagg	atggcggata	gagggcagta	agctcatacc	tccgcctggg	1140
gcaaagggtg	cgtcagagga	ttcgaagctt	gggcctgggg	ccggccacaa	aagaaaggat	1200
acggagggtga	tgcccttga					1218

<210> 16333

<211> 249

<212> DNA

<213> A.fumigatus

<400> 16333

acaactgaga	actgggctat	tctctattat	agcaacatga	ggcggttggt	ctcttgctta	60
catgatgcta	tggtgacaaa	cctcctgctc	tgccatcgac	atgtagtatt	aagttcagga	120
tggcagttag	tctctgaatt	ggacaactgc	ggtgattttt	acaacaatga	ctgctttcga	180
gaatcggata	tgatcctgga	tgctttcatt	gcccctcctg	atcagttggc	cccgcgttgg	240
acatgttga						249

<210> 16334

<211> 303

<212> DNA

<213> A.fumigatus

<400> 16334

catctgcgat	cagacttcgc	ggtaatctac	ctctgcgaca	ttgacgaggt	accggaattc	60
aattccatgt	acgaactttt	cgatcccatg	acgatcatgt	tcttctggag	gaacaagcat	120
atgatgtgcg	atttcggcac	aggtaacaac	aacaagttga	attgggtgct	tgaagataag	180
caggagttga	tagacattat	tgaaactatc	tacaagggtg	ctaagaaagg	gcgcggtctc	240
gtcgtgagtc	ctaaagggtc	gcactctctt	ttgttgcgga	tctcattcgg	gctcgtatat	300
taa						303

<210> 16335

<211> 201

<212> DNA

<213> A.fumigatus

<400> 16335

tacatcatca	acgcttcgca	gcccgcgagc	gacaagatct	tcgatgtctc	cgcctttgag	60
aagttttctcc	acgaccgcat	caaggctcgag	ggcgtgtcgc	gcaacctcgg	tgacaatggt	120
gtcatctccc	aggttgggtga	gggcaagatc	gaggttggtca	ctcacatccc	cttctctggg	180

cgctacctca agtacctgta a

201

<210> 16336

<211> 237

<212> DNA

<213> A.fumigatus

<400> 16336

gactccactg	ctagcgaaaa	gtttcatcta	cactcctctc	tcaaggcgca	ggataatcac	60
ctctttgcga	ccacatactc	cctgttaatc	ctcccaaaaa	aaacccccca	tcagtcacaa	120
tggcccccgt	tgctgtatgt	tatcactcca	caaactgctt	tgctgttcct	ccatgaggac	180
cggacatggt	gcgcttctcg	tcttcaatcg	cggattttcc	acaagacgcg	gttctaa	237

<210> 16337

<211> 726

<212> DNA

<213> A.fumigatus

<400> 16337

gcacttcctt	cgggtgttcg	ggtcgactcg	actggccagc	ccacctacca	gtgcatggaa	60
cagtgggacg	ctttgcacgc	catgctcctc	tacgagatcc	tcgagatggg	catcgcgccc	120
gtcgacgagt	ccgagagtgg	gaaacagaag	cgcgcacaaa	aagggctgaa	atcgcccttt	180
ctctccaaga	tgacccagtg	cttctcgccg	tcgcaccttg	agttgcacga	tacggccctg	240
ctgccattcc	ccaacggcca	cagcaccgca	aacagctcct	gggtcacatg	ggccgtggcc	300
gaaaccgtcc	ggcgacgat	attcctcgcc	aacattgtcc	acttcttcag	ccaccgcgat	360
ctccactccc	ggcgccaatc	gccctactac	gagccctcca	acgatgagct	cattctgaag	420
atgccgctgc	cctgcgatca	agcgctgtgg	agcgctcgca	ccgaagacga	gtggcgcaaa	480
gccacccccg	cgtctcccgg	ctcgccaggc	atcactgacg	ctttgtcaac	tttgggccct	540
gttggtgacc	tcacgggccc	ggggcagctc	ccgaatggcc	aataaccagca	gccctcgctc	600
gaaatgcttt	tctccaagtt	cgccatagac	gacctccggg	cgacttgctg	gacgaatgcg	660
ggttttgccc	actcgatga	gctgcggtcg	cttatcattc	tctgtgcgct	ggagcaattc	720
gcgtga						726

<210> 16338

<211> 249

<212> DNA

<213> A.fumigatus

<400> 16338

gcactaagtc	aggaaacgaa	aacacaggga	actgacggga	cttgggactc	gcacgcaact	60
tctaatagct	cccctgatat	aggccaggaa	gatagccaag	gttacatcga	tggcaccgcc	120
ttcatcaatg	ctagaccccc	cgcttaccac	acaggggatg	gcttcggatc	cttcgtaaat	180
ctcacctgtt	cattgtcggt	ccttcttact	aatcctttgt	ctgtcttctt	accaaggcta	240
cagacatag						249

<210> 16339

<211> 1074

<212> DNA

<213> A.fumigatus

<400> 16339

tgtctagacc	gatggacccc	aggtgacctc	ctcttgccgc	atcgacgacg	atgtctgcgg	60
gcgaacaaac	ccaagatacg	ccgcagagcc	tgtaatgcct	gcgtgctagc	gaagacaaaa	120
tgctgtgca	cccagccgat	ctgctcgccg	tgtgccaaac	ggggcattcc	ttgcgaatac	180
gtgtgtacgg	tcaacacagc	aaccaccatt	gtctctgact	cttccgactc	ctcgcccccg	240
tcgaccagag	atcacccag	acctgatgaa	acccgcgtga	gcacgacaga	cttcccgtcg	300

atatggagcc	cgcaagcat	gctgggtggt	cccagtgccg	aaattttcga	ctcgtggagc	360
tccccgaacg	tcatctggac	cgtggatccc	ctcgatttcc	cctcgttgcc	ctcgtcagca	420
ggcttagttg	acgaagtcac	tgtggacccg	gcactggcca	tcccgaccag	ccatccgagc	480
ctcacatttc	cgagggcac	ggcttcgtcg	cagccgctca	gtacgccgag	ggagatttcc	540
atgggtgccgc	caggtccagg	gaccaccaat	acatccctga	ccggtctggg	cggcagtccc	600
gacgtgccgg	gggtgcagcc	atccaactac	atccgtctgc	tggcacagta	tccgagactg	660
ttgcttcagg	acgatttcta	ctgtccgttt	gtgcaccgca	ccctgttcag	cgagcaagtc	720
gcggacatga	cgattctgcc	ccacacatcc	atggccattt	gctgcggaag	tgccttgggc	780
gtcaaagacg	ccgccggata	cgtcaagcga	gccatggacg	cgcaacggca	aagcttgatc	840
gagtcatatg	taagcacttc	cttcgggtgt	tgggtcgta	ctgactggcc	agcccaccta	900
ccagtgcacg	gaacagtggg	acgctttgca	cgccatgctc	ctctacgaga	tcctcgagat	960
gggcatcgcg	ccgctcgacg	agtccgagag	ttggaaacag	aagcgccgca	caaaagggct	1020
gaaatcgccc	tttctctcca	agatgaccca	gtgcttctcg	cggtcgcacc	ttga	1074

<210> 16340

<211> 1236

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (10)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16340

cgtaggagan	tacaggaaga	cagaagccgg	cccgccccgg	tctggtacag	accgcaagca	60
ggtggcggta	ccgaggcata	tatcaaggaa	gagccgggtc	cgccgcccgc	cttcgccgac	120
acggcaccgc	caatccatcc	tcaagaaagg	ccaatctata	ttgacattgc	ctcgccctgc	180
cctccctata	caccagtata	tgagagaatc	gaaccgggtg	gggagccctg	atacgagctc	240
gataccttat	atgaagctca	cgttgaagcg	tcatacccaa	gaacggtttc	gaggcttagt	300
gctcggcgcc	caatacgcga	tgaccaagat	ctacggaggg	tcgcaagctt	gcaccaggcc	360
cggcaaccag	agtatactcg	ggagtacatt	gagcgaccca	gctctcgctc	gctgcgcgct	420
gcatectacg	ctatttgtga	gcgtcctccg	caagaaagag	tcaggtaact	tgacgacccg	480
ccgcaaactt	atgccaggca	ctacgccccg	gcggttgagt	cgccgacatc	gccgcgctac	540
caagaggcct	ggatccaagg	aagtacgacg	gcgcctccac	ggcgaatact	gatagacgag	600
catggaaaat	actatcgtga	gaggactccg	ccaccaagaa	tgcaggcaat	gcctccaccc	660
ccagggtcga	tcccgcgagg	cgatgtctac	gatgacggcg	tacgtcctag	tggtagcggt	720
cgagcagtct	ccgttggtga	ggatccatat	tgtggccgga	gatacgtgca	ggaaatgcc	780
ccgcgccac	tagcttatcg	acgggtgacg	gattaccctc	ggcccgcgcc	gagcgaaagg	840
cgcagctacg	tcacgccact	ggttgatgac	agagagcctt	accgacgcag	cagtagcgtc	900
caagttgccc	ggtatcctac	ggctcgtgcg	acctacgttg	aagaggcgaa	aattccgcga	960
gagaggatca	tcaggatgcc	aagtgtgcgg	ccccctgctc	ctcgatatga	ggagccccgg	1020
gagatgggtc	cgcggatttg	aagcgtccgc	ccagccgaac	gagatgtaag	tgtttatgta	1080
gacgatgacg	ctcgacggcc	tagagaatat	atcgagcgac	ctgtttatat	tgcgccacgt	1140
cctctggcga	gagaagaaag	atactatgaa	ggggagccgg	agcggggttg	cctcgatggg	1200
agagaggcag	ttcatcaggt	tccccagcgt	tattga			1236

<210> 16341

<211> 198

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (120)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16341

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aagaagaact cctacttcag ctgttgatc ctttgaaca ttttaatcag ttcacacaaa    60
gtcctctata ctgaatgtta tgaacaacat ctccccgaat cgcttgcgga aggtatccan    120
ctaactcctc cattcaagct taagagaaca attcctgttt tcctgatcat attgaagcag    180
cctaagccct tctcatga                                     198

```

<210> 16342

<211> 333

<212> DNA

<213> A.fumigatus

<400> 16342

```

atcgatcatat acgtctttgc tctgttagta ctagctcttg ccaagctctc tgttcagccg    60
aatatgcacc ctctctctc tttgatcact cccgagtcgc gcgcaaggat cgaggccaac    120
gcttggccag tatttgcgag tctcagctgg gcaactcgta tgtacatctt ccgttggcat    180
ccagagacgc ttatgtcgag tttgagaagc agcatggtat acatgtatgt cttaaccca    240
accgcacaat acgttcagggt actaatgggc ttcagctact ccgactcgga tcaactgggat    300
tcattccgca acttcttgat atacaacaag tag                                     333

```

<210> 16343

<211> 993

<212> DNA

<213> A.fumigatus

<400> 16343

```

gtctttctta atagcaaacc caagaatccg cgcacagcgc gcattctcaa ggcccgtgag    60
ccccagctca tcgaaccccc caagagaacc ctgttcatgc atgggtcaaa atgtcccacc    120
gcacttaaca cagtcttgaa gacattccac tctgtgacgg tcccgcactc cgtcctcttc    180
cacaagaaga acgagaacat tcacccgttt gagagtgcgg agagcctcga gttccttgcc    240
aacaagaatg agtgcggtat cgtcgttttc ggaagcagca gcaagaagag accaaactgc    300
ctgaccgtgg cgcgatatt tgactccaag cttctggaca tgtgcgaatt gatgctgctc    360
cctaaccggg acggagattc gatccccccg atcaacaacc tcaagatgca gatcggaatt    420
ggtttacggc ctatgctgct gttcgcgggt actgcgtggg atgactctac ctctactgct    480
catgttatgc tgaagagcat gttcattgat atgttcaagg gcgaggagtc ggataagatc    540
gatgtcgagg gattgcagta tgtgttgatg attgccgctg aggaacctac cgacggcctg    600
gctcctgtca ttcactctcag atggtacaag cttcgaacaa agcgcagtgg acacaaactc    660
ccccgtgttg agctggatga gatcggtccc aagttcgact tcaagatcgg tctgtctgcac    720
gaggcacccg agagtgcctc aaaggaggcc atgaagcagg gcaagagacc taatgagaac    780
atgaagacga agaagaacat cggtatggat atcatgggtg acaagatcgg tctgtctgcac    840
ttgggcaagc aggatctctc tggccttcaa acgaggaaga tgaagggtct gaagcgacgt    900
gctgggtgtg agtcagatga ggaggatgcg gagatgatgg acgtggacga agtctcggat    960
gatgagggac ggaaaaaggc gagaacggaa tag                                     993

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<210> 16344

<211> 477

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (7)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16344

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acagtgnatt tccacgcggc gctaagatac tggagaactt gtagcctaca tctgtgctcg    60

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agactgggttg	ggatatttttg	ttcttctggg	tatgatttcc	gctccgttgt	gttcgccgta	120
gatgtgctaa	tcaacttaca	ggtcgctcgt	atgatcatgc	ttggatatcaa	gctgaccggc	180
aaagtgccat	tcaagggaagt	gtattgtcat	tccttgatca	gagattccga	gggtcgcaag	240
atgtccaagt	ctcttggtaa	tgtcatcgac	cccttggatg	tcattggagg	tatcgagctt	300
caggctctcc	atgccaaagct	acttactggt	aaccttgccg	agaaggaggt	tgcaactgct	360
accaagtatc	agaagaaggc	attcccgaa	ggatttcctg	aatgtggtgc	cgatgcgctg	420
cgtttcgccc	ttgtgtctta	tactactggt	ggtaagttcg	gatattgcct	ggcctaa	477

<210> 16345

<211> 1044

<212> DNA

<213> A.fumigatus

<400> 16345

gattgccgaa	tcaaagaact	gactgactct	ggcctaggtg	gtgatatcgc	attcgacatc	60
caggttattc	acggctaccg	ccgtttctgc	aacaagattt	atcaggctac	caagttcgtc	120
ttgggcagac	tgggtgatga	cttcaagccc	ttgcccgcgc	cttcaaagac	tggccgggaa	180
tctctctctg	agcgtgggat	tttacataaa	ttcaacaccg	ctgccaagga	ggtcaatgag	240
gcgctggcgc	agcgtgagtt	ctctgtcgcg	gcttctacga	cttatcatta	ctggtacggc	300
caactttgcg	acatcttcat	cgaaaactcg	aagtatctct	tggctcctga	agtgcctgcc	360
gaagtacagg	aatcggccaa	gcagactttg	tacactgctc	tcgagggcgc	tctgactctt	420
attcaccccta	tcattgccttt	cgttacggag	cacctgtggc	agcgtttgcc	tcgcagacct	480
ggtgacaaga	ccatctcgat	catgaaggct	cgttatcccc	agtacaaccc	agagttcaac	540
gaccccgaa	ccgagacagc	ttatgagctc	atcttgaata	cctccaaggc	tatccggctc	600
atccttgccc	agtatgagat	caaaactaag	ggcgatatta	ttatccagac	ctatgacccc	660
gtcagctaca	aaaccatctc	ggacgaagtg	actagcatca	agtccttggg	tggcaagttt	720
ttggggggagc	tcaccgttgc	tgacctcgag	aacaccaacc	ctccttcagg	ctgtgtcggt	780
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caggaggaga	aggccaaggc	cagcttggag	aaggcacgcg	agactgttgc	ccgccaacag	900
actctcgtca	atgccgctgg	atggaaggag	aaggttaagc	cagagggttc	tgagcaggaa	960
gagagaaagc	ttcgggatgc	cgagagtggg	gctgctcggt	tggaagagca	gattcgcgaa	1020
tttgagaagc	ttcgcttggg	atag				1044

<210> 16346

<211> 1179

<212> DNA

<213> A.fumigatus

<400> 16346

caagtgggtct	cagctgatcc	cagagcagaa	gtcctagagt	gttccaacat	tgcttggcct	60
aattctggca	tgtggtcccg	cgggcaacgt	gtcttcaaat	acaatgctgg	aagcgttctg	120
agtgaacgaa	agcaagaaga	ggacctgcat	gcccactcgc	caactcgaca	tgagaatcga	180
agcgtggtag	ctaacagcaa	ccgagtcagt	aaccacgcgc	cgtatacagc	ttggccgtat	240
aggaattatc	cacctcccc	acctcagtgg	caaaataaca	acagggagac	aacatggacg	300
tatcaatcta	ctcaagaacc	tctcatgacg	gaccttttca	tcgatccaca	catccttgac	360
cccactgcac	gccatcgagg	ggcaagaccg	tcttggggagg	acgtgtgtat	gcctgattat	420
atctccaatt	catccagtag	ccgcgctata	tccagcatga	ccggtataag	ctacgagcat	480
agcaagcaac	caagcattgt	tgtctctatc	gatgaggaaa	catatttctca	acttttcgag	540
ggagtcagtc	cgccaaagcc	tctcgccctgc	atttctcaag	cacccaagaa	tacgtcatca	600
gcattgcctc	ctgttgcttc	taaactttct	gctgctggcg	aagagcgttc	atcatcttgt	660
gtcaagacag	caaggcgtcc	ctcaattctg	aaggagcttt	cacagccagt	atccagaagc	720
gtctctgggt	ccagcgccaa	atccagcttc	cctgccgagg	cattgctgga	agctacagca	780
acttgcaaac	tgcacgttag	tcctactaca	cagatcagga	gcaagaagga	gggaaactgt	840
tcggataaca	aagagaatga	ggcctctagc	gagacaccac	gtcgggataa	tgacaaggtc	900
gaccgtacac	ctgccaaagc	caccgtgcgc	acgagtggaa	atcttgagac	acccgtcgag	960
tccagacgac	gccgttctac	cacaggttct	gctcgtggag	gcgtgagttc	catcactgaa	1020

agggagacgg	tgctcctcag	tccgtccaag	aacttaccgg	tggtcgaaaa	tcatgtcacg	1080
gtagtggaaa	accatgatca	acacacaagg	tttgatgact	ttctggatac	gaaacttcaa	1140
atcgtcgaca	ccgctgccga	tacaatcgag	attaattaa			1179

<210> 16347
 <211> 351
 <212> DNA
 <213> A.fumigatus

<400> 16347	
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gaagtgttc	aaaacacatc ctctaaaagg aagaaattgg tcgatttaga aagagatacg 120
gccgatgagc	ataccagca gccattgact acggatcacg gtgtacgagt cagcaacacc 180
gatcaatggc	ttagagttac gaatgaccgc cgaactggcc catccttgct ggaggatcag 240
attgccagag	aaaaggtaaa catattgcat gtaaatactc tcaataaata tggattgat 300
gatattcgca	gatccatcgc ttgatcatg aacgtattcc tgaaagagta g 351

<210> 16348
 <211> 498
 <212> DNA
 <213> A.fumigatus

<400> 16348		
caccagatc	agccgcctgg gcatcaattg ggaagagctg ccaatcaacc gtccagtgtg 60	
cctgtgtctc	aaccacaacc ggcacggaca gatgcgccat cgaatcacgc aaggcacggg 120	
caactactgg	cccaaccgct tcgaagccgt gcccccgacc ggcaccaagg gctccggagt 180	
gggcgggcgg	ttcacaaact acccccagcg ggtggagggg atcaagaacc gcgcctcag 240	
cgacaaatct	cgcgagcacc acaaccaagg ccagctcttc tacaactcaa tgtccgagca 300	
cgagaagctc	cacttgaaga acgctttcag ctccgacctc gaccactgag acgaccccc 360	
cgggtctaga	cggcttcccc ggccaatcgc tccccgattt cgaactcgag ctccccccaa 420	
aaattcccca	aattggcggg gcccccaatt cctcccaagg gccctcaagg ccaaaccatc 480	
gggcgagcgc	cctcggcc	498

<210> 16349
 <211> 1134
 <212> DNA
 <213> A.fumigatus

<400> 16349	
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cctcacaacg	aggtccctca ggcccaaaca gccacaaca acttctggga ttttgtgtac 120
ttgcacccag	aagccacca catgttcatt tgggccatgt ctgaccgcgc catccccga 180
tcctaccgga	tgatgcaggg atttggtgtc aatacttttg ctctcgtcaa caaagaagga 240
aagcgacact	ttgtcaagtt ccaactggatc ccccatctgg gtgttcaact tctcgtgtgg 300
gacgaagcct	tgaagctggg aggccaagac cctgatttcc atcgcaaaga cctgatggag 360
gctatcgaca	acaaggcgta tccgaaatgg gacttcgcaa tccaagtcac tccagaggag 420
aagcaggatg	actttgagtt tgacattttg gatgccacca agatctggcc tgaagacctt 480
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cagaccgagc	aggtcgcatt ctgcaccagc cacatcgtcc ctggcattga cttcaccgac 600
gatccacttc	tccaaggccg aaacttctcc tactttgaca cccagatcag ccgcctgggc 660
atcaatttgg	aagagctgcc aatcaaccgt ccagtgtgcc ctgtgtcaa ccacaaccgc 720
gacggacaga	tgcgccatcg aatcacgcaa ggcacgggtc actactggcc caaccgcttc 780
gaagccgtgc	ccccgaccgg caccaagggc tccggagtgg gcggcggtt cacaacctac 840
cccagcggg	tggagggcat caagaaccgc gccctcagcg acaaatttcg cgagcaccac 900
aaccaagccc	agctcttcta caactcaatg tccgagcagc agaagctcca cttgaagaac 960
gctttcagct	ccgacctcga ccaactgcgac gaccccccg gtctagaacg gcttccccgg 1020

ccaatcgctc cccgatttcg aactcgagct ccccccaaaa attccccaaa ttggcggggc 1080
 ccccaattcc tcccaagggc cctcaagccc aaaccatcgg gcgacgcgcc tcgg 1134

<210> 16350
 <211> 345
 <212> DNA
 <213> A.fumigatus

<400> 16350
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 ggcaactggc cattcggaac cttcaagctt aaggagagca ttgaagatct gacttatgcc 120
 ggtgtgttga cggatacatc cagaaacacg ccagtccttg ttgccttttc aaccgtccaa 180
 ggaagtagag gtacgcgtga tacagtcgcg gatgttcgtg gggtcgcgtg caagttctac 240
 accgatgaag gcaactggga cattgttggtg aacaacatcc ctgtgttttt cattcaagat 300
 gccgtcaagt tcccagattt tggtagctat agctcctgct gctga 345

<210> 16351
 <211> 441
 <212> DNA
 <213> A.fumigatus

<400> 16351
 accgcaacgt cgacgaattc ttccctcaga ccgagcaggt cgcattctgc accagccaca 60
 tcgtccctgg cattgacttc accgacgac cacttctcca aggccgaaac ttctcctact 120
 ttgacaccca gatcagccgc ctgggcatca attgggaaga gctgccaatc aaccgtccag 180
 tgtgccctgt gctcaaccac aaccgcgacg gacagatgcg ccacgaatc acgcaaggca 240
 cggtaacta ctggcccaac cgcttcgaag ccgtgcccc gaccggcacc aagggtccg 300
 gagtggggcg cgggttcaca acctaccccc agcgggtgga gggcatcaag aaccgcgcc 360
 tcagcgacaa atttcgcgag caccacaacc aagcccagct cttctacaac tcaatgtccg 420
 agcacgagaa gctccacttg a 441

<210> 16352
 <211> 279
 <212> DNA
 <213> A.fumigatus

<400> 16352
 agtttccgaa tgcgccagtg ccacgcgcat ggactactct ttcaggaata cgttcatgat 60
 caaagcgatg gatctgcgaa tatcatcaat accatattha ttgagagtat ttacatgcaa 120
 tatgtttacc ttttctctgg caatctgac ctccagcaag gatgggccag ttccggcggtc 180
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 tggctgctgg gtatgcgcat cggccgtatc tctttctaa 279

<210> 16353
 <211> 888
 <212> DNA
 <213> A.fumigatus

<400> 16353
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 cttgatgccc tccaccgcgt gggggtaggt tgtgaaccgc ccgccactc cggagccctt 120
 ggtgccggtc gggggcacgg cttcgaagcg gttgggccag tagttgaccg tgccttgctg 180
 gattcgatgg cgcactctgtc cgtcgcgggt gtggttgagc acagggcaca ctggacgggt 240
 gattggcagc tcttcccaat tgatgccag gcggctgac tgggtgtcaa agtaggagaa 300
 gtttcggcct tggagaagtg gatcgtcggg gaagtcaatg ccagggaaga tgtggctggt 360
 gcagaatgcg acctgctcgg tctgagggaa gaattcgtcg acgttgcggt tcagctcgag 420

ctctccaatc	acacgaaggg	gcacaaggtc	ttcaggccag	atcttggtgg	catccaaaat	480
gtcaaactca	aagtcatact	gcttctcctc	tggaatgact	tggtattgca	agtcccatct	540
cggatacgcc	ttgttgcga	tagcctccat	caggctcttg	cgatggaaat	cagggctctg	600
gcctcccagc	ttcaaggctt	cgccccacac	gagagagtga	acaccagat	gggggatcca	660
gtggaacttg	acaaagtgtc	gctttccttc	tttgttgacg	agagcaaaag	tattgacacc	720
aaatccctgc	atcatccggg	aggatcgggg	gatggcgcg	tcagacatgg	cccacatgaa	780
catgtgggtg	gcttctgggt	gcaagtacac	aaaatcccag	aagttgttgt	gggctgtttg	840
ggcctgaggg	acctcgttgt	gaggctccgg	cttgacagca	tggactga		888

<210> 16354

<211> 2166

<212> DNA

<213> A.fumigatus

<400> 16354

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aattccgtc	aa	agatgctgcc	ga	agttaccc	tc	caaatag	ac	caagctcc	ag	agccgtat	120
atctctcatc	ct	ggtgctga	tc	acaaccag	ca	atctcttc	tc	ctctcgaa	cg	gctcgctt	180
ttgaagtcta	ag	cagaacga	ta	agggcccc	gc	ggtcctga	ag	aagaaaact	ga	gcaagcgg	240
aaggcatagc	aa	attgcacg	gg	agcaagag	at	ccggctaa	tg	gcctcaag	cc	ccattgac	300
ataccttggc	ga	cccgttac	act	gccagggt	ga	gagagatat	ct	gtcgagac	ac	gacgagct	360
cctagaactc	at	agtcgacg	gt	ccgaccgc	cat	ctctcttg	at	cttagttt	gc	ctgtgcgc	420
gattccgctg	cc	tcgtctgt	at	ccgattgc	tc	cgaaatctt	at	accttcaa	gg	tcaacagt	480
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gccagaagtc	ag	aaatcagc	cg	aggtacca	gg	ccgcaagg	ag	aacgcctt	ca	atttttcc	600
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cctatcgaag	aa	caccatc	cg	aacatgaa	ta	catgcatg	at	gaggggtg	tg	gacaggca	2160
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<210> 16355

<211> 543

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (147)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16355

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tcgggcaact	tctcgtgggg	ttccganggc	atctcccgca	agacccgtgt	catcgttggt	180
gcctaccacc	cctccaacaa	cgaactgggtc	cgcaccaaca	ccctgaccaa	gtccgccgtc	240
gttcagattg	atgccgctcc	cttcagacaa	tggtacgagg	ctcactacgg	ccagcccatc	300
ggccggagac	gccagcagaa	gaccgccgag	accaccaccg	agaagaagag	caacagcgctc	360
gtgaagaagc	aggctgctcg	cttcgccgac	cacggcaagg	ttgagcccg	catcgagaag	420
cagtttgagt	ccggtcgtct	gtacgccgtc	atcgccctcc	gccctggcca	gagcggctcg	480
gtcgacggtt	acatcctgga	gggtgaggag	ctggctttct	accagcgtgc	tatccgcaag	540
taa						543

<210> 16356

<211> 1191

<212> DNA

<213> *A.fumigatus*

<400> 16356

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tccaaagagt	tgatggtcag	tccagtagaa	cttctttttc	atctgacgta	caccgaccag	120
ggccaggcga	ccggaatcat	caactcgact	ccgcccgtgc	gtgcacttgg	aaactacaac	180
aaccatattc	aactttctac	actcctcaac	tatccactga	cgacagtcac	gagcaacaaa	240
acaataaaaa	cccgcctcct	cttgatatca	gacacccaca	acacgtcccc	tcacccgcct	300
ccctccccgc	accctaccg	gcacccctc	ccagaagcgc	acatcctcat	ccactccggc	360
gacctacaaa	caatcggtag	ctaccaagaa	catgcaacca	ccgtagcaac	cctcaaatgc	420
caccccgag	agctcaaact	catcatcgcc	ggcaatcatg	acatcacctc	cgacgaggct	480
tactacgccg	ccctccctcc	aagcagtttc	aaaacccgtt	ccggacgcga	ggatccggcc	540
gccataaaac	aactctattg	cggccccgaa	gcgtacgacg	cagggatacg	ctacttgga	600
gagggcggtg	actgttttag	cctgagcaca	ggggcgaggt	tgaggggtgt	tgctgcgcg	660
tatacgcccg	cattttgag	ctgggcgttt	gcgtatcccc	ggggcaggga	tagattta	720
cccctgcccc	aggacactac	agcttcttcg	gctttaagtt	ctgccggcgc	ggatgccccg	780
gacgggggtg	tgcccgaact	cccatcagtg	gatatcatga	tcacgcagtg	tccgccggcc	840
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gtgaagcggg	cgcgcccgcg	ggtgcatgtc	tttgggcata	tccacgaggg	gtatggtgcg	960
ctgcgagggg	agtggggggc	agatatgacg	ctgggagggg	cgaagggtgt	gtgcgatccc	1020
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ctacggttcg	gggaggaaac	gctgtttgtg	aatgccagtg	tgctgaatga	gcggtataag	1140
gcagtgaatg	cgccgtgggt	ggtggacttg	gatttaccgg	tttcttcctg	a	1191

<210> 16357

<211> 192

<212> DNA

<213> *A.fumigatus*

<400> 16357

ttccctacat	caaccgcaaa	catgggtatc	tcacgcgact	cccgccacaa	gcgttcggcc	60
accggtgcga	agagggccac	ctaccgcaag	aagaggtatg	acccccgagt	catccttttt	120
ctgacatctc	tgacaatacc	gcagggcggt	cgagaagggt	cgccagcctg	ccaacacccg	180
tattggtgct	aa					192

<210> 16358
 <211> 651
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (481)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16358
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 aataccccaa ataaattttt ccttttactt gcgcatagca cgctggtaga aagccagctc 120
 ctcaccctcc aggatgtaac cgtcgacacg accgctctgg ccagggcggg aggcgatgac 180
 ggcgtacaga cgaccggact caaactgctt ctcgatggcg ggctcaacct tgccgtggtc 240
 ggcgaagcga gcagcctgct tcttcacgac gctgttgctc ttcttctcgg tggtggtctc 300
 ggcggtcttc tgctggcgtc tccggccgat gggctggccg tagtgagcct cgtaccattg 360
 tctgaaggga gcggcatcaa tctgaacgac ggcggacttg gtcaggggtg tggtgcggac 420
 cagttcgttg ttggaggggt ggtaggccac aacgatgaca cgggtcttgc gggagatgcc 480
 ntcggaacc cagagaagt tgcccgactc aagacggagg gcacggaact tgcggttacc 540
 accacgggtg cggaccagggt ggattctctt agcaccaata cgggtgttgg caggctggcg 600
 acccttctcg aacgccctgc ggtattgtca gagatgtcag aaaaaggatg a 651

<210> 16359
 <211> 1356
 <212> DNA
 <213> A.fumigatus

<400> 16359
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 tcggaaccgt ctgagttctc ctgcagcttg aagagacacg tccagggcac ggatgtgcga 180
 gagcaatggg ttgaaaagac gatctttacg accgccgagc ccttcccga cttctccgcg 240
 cggagtgaga ttgtcgccgt ggaggagggt gcgttgctgc cgctgcagac ggctgtcgag 300
 cgaacgtggc gtaaaacgca ggaactgtcg ttgcttgagc gacgagctgc ctgaggcgag 360
 gatcagggcc tgtccagtct gacagaggcg ctgcagcagc tacttgacct caactctcct 420
 tcggccagct gcgtggccct ctaccgtcaa ttcttgccg aagttgacga agacgacact 480
 gaaaagggtg aggagtgcac cgacccaatg aagaatgctc tggccgtggc cctcatggac 540
 catgccttgg ccattaagca tgctcttgcg ttgtatgcc gaccggcgca ccaggccaca 600
 caagccgaac tcatgcgtca attcgaggaa gcttttgccc cggaactcgt ctctctcaat 660
 cctgtggttg ccgagagccc ggcaactcaa cggcagtcct cgggtttccgc agaaaaccgg 720
 caaaagcagt cgcagtcgag ctctatcagt cccgcgaacc acgttcgcaa gccttcggag 780
 aaaccatccg tcagccaacg gatcagcatt atgaaccctt tcaaacgagc gaaccacgca 840
 ccaaacgggt cagtagccac cgtgattgac atgaagacgg agggaaaaga ccatgacgat 900
 gatactgcaa caatctacag tcgaaccacc gctcagtcgg ggacgaccca taaaaacgc 960
 cggagcttct ttggggaaat ggtccacaag cacggctcat ccattgcagc ctctacggaa 1020
 gacgtacaag aacagctatc gagaagcggg tcacgctcgc aggacaaccg cagtcggagc 1080
 ggggtcccaac accacgggcc gtctggggac gattctatct ccagcatcaa gggggcgagg 1140
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 gtcggatccc ccggcggcca ttcatatagc cagtctcaca gcgaggcgt ccgcgactct 1260
 gtgatgaaaa ggttgagcct tttcaaggga gtgggtcgca agaccagtcg tttggagatc 1320
 cgacccgaga cgaacggcgt tcttcgtgaa gaataa 1356

<210> 16360
 <211> 321

<212> DNA

<213> A.fumigatus

<400> 16360

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ccgtatcaca	gtctaaccac	atcgtcgcact	gaaattatct	gttccacact	atccctgtac	180
atcgccctatg	agtatgctgt	cctccaggta	ttaaaaccga	ttcagacggc	ccatgatcct	240
tacatgcgca	atgcacctat	tttcgacggc	tttccttctc	tatctccatg	gatttcttct	300
cgcgctgggtg	gctttgggta	g				321

<210> 16361

<211> 207

<212> DNA

<213> A.fumigatus

<400> 16361

aaccgattca	gacggcccat	gatccttaca	tgcgcaatgc	acctatcttc	gacggctttc	60
cttctctatc	tccatggatt	tcttctcgcg	ctgggtggctt	tgggtagcgc	cgactccgat	120
gtcgatttca	tgagtgttag	agccaagtct	ctaaaggatt	acagtgggaa	aggaggtgag	180
ccgggagaga	aatatttcag	taagtga				207

<210> 16362

<211> 495

<212> DNA

<213> A.fumigatus

<400> 16362

caaacactaa	ttcgcgcca	gatcttccca	tgggacaacg	acctcgacgt	ccaggtaacc	60
gagccgacaa	tacaacttct	tgtctgaatat	tacaacatga	ccgagcacca	tttcgaactt	120
ccaggagtgg	acggcgggcg	aaactacctt	ctcgaaatta	acccgcaata	tgtgggttca	180
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ttcatcgata	taactgcagt	ccgcaaggat	gacgaattga	gaaagaaggg	ccagcaaggc	300
gctctcatgt	gcaaggatgg	ccatagattt	gacgtaagcg	gccgcgggtac	aagggttaaca	360
cgagatgggt	acttaccgct	ttctaggaga	ccgatatctt	cccacttcgg	aatagttact	420
ttgaagactt	tcctgtcaaa	gtaccctaca	agtacactga	tctccttggtg	gaagaatatg	480
gctccaaggc	attga					495

<210> 16363

<211> 183

<212> DNA

<213> A.fumigatus

<400> 16363

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gccgtcccaa	ggccgtctca	ctccgagact	aggaagaaga	agagtacgtt	taagaagaac	120
aacaactacg	acaactacgg	catcatcata	tcggaaaacc	accatggatg	cgaacccacc	180
tag						183

<210> 16364

<211> 786

<212> DNA

<213> A.fumigatus

<400> 16364

cggaagctga	ttctactagg	tatcggtgcg	ctggtgacca	cgtttggagt	aggcgaacta	60
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tccgccgtca atgccatcgc aggcgcctat gcagagagag ctccagtcgt gcacattgtg 120
 gggactccca tgcgcgcctc gcaggagtcg cgtgcaatga tccatcatac ctttattgat 180
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 ttcggaccac actttagcaa caccaacacc tacatcttca tggtagagacc gcaggacgag 720
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 cccgcc 786

<210> 16365

<211> 201

<212> DNA

<213> A.fumigatus

<400> 16365

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 tatectatta gcgcagaata ccggaaaacc gaaaaactat cgaccatcac tcctaaacta 180
 ggctccctcc cctccatctg a 201

<210> 16366

<211> 336

<212> DNA

<213> A.fumigatus

<400> 16366

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 cacagaacac acagtcagaa acaaaagcga ctcaacatgg actccgacac tctaccctc 120
 gcgcaatacc tctttaaacg tctgcgtcaa ttgggtgtag actctatatt cgggtgtccct 180
 ggtgattaca acctgactct tctggatcac gttgtaccct cgggactcaa gtgggttgga 240
 aactgcaatg aactcaatgc agggatatgct gcggatgggt actcgcggat caaagggtact 300
 tgccatgctt cctcctactg ccttgacgga cgctga 336

<210> 16367

<211> 357

<212> DNA

<213> A.fumigatus

<400> 16367

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 gtatacaaga ggacctactt ttacgaacct cactgcacta ataaggatac ttatattctg 180
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 agcaactcca acgggaatct ttctttccgc cggttcacga accgtcagaa cagcacctgg 300
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<210> 16368

<211> 1089

<212> DNA

<213> A.fumigatus

<400> 16368

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accgaacgcc	caatagtctt	tattgtgata	gggaacttcg	tccagaaggc	cacaatcaat	180
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gatccatggt	cgtccacttt	cacagcgggc	gctgcctcga	tagtaccacg	tcagtcaatt	360
ccggatatgt	ttacgtcgag	ggttaagcgt	gcgtttgcat	cggcaaattc	ggagtcgagg	420
ctatcgcaag	cttccgagcc	tgcgggcgaa	gctatctgga	cctccaaccc	atcacgtctc	480
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aggcggaacg	cagtggtctac	taagcaaggc	gagaatgagc	gtgattctgc	attttcacaa	600
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ttcatctctg	aagaaggatc	gacatgtatg	acatgggttg	agtatgatat	attgaaaaat	960
cgagggcgtg	tgaaagagga	gcggctgtac	caaatcataa	ctgcaattct	tttggtttta	1020
cggattttat	ttcatgtgct	gaggccaact	gaattgagta	aagcagagaa	gctgatcgca	1080
tgtaactaa						1089

<210> 16369

<211> 195

<212> DNA

<213> A.fumigatus

<400> 16369

ccaagtatta	tgctgagcgc	cggtgaaaca	tccatcgagg	gcccgaataa	cattgctgac	60
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atacagtgtg	cctcgcagcc	tggtcttgaa	ttggctcgtg	cctggcccag	cctccgggct	180
actcaattcc	cttaa					195

<210> 16370

<211> 2598

<212> DNA

<213> A.fumigatus

<400> 16370

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cttcagctag ttttgccgcg gggctctgaag agaaagaacc ttctcaagga tacagtgcgc 1500
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gcgaacttcg ttaatgacaa aagtccttcg cgaaacctg tggtttcaa cgctgcagat 2580
gttattacaa ttgactga 2598

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<210> 16371

<211> 522

<212> DNA

<213> A.fumigatus

<400> 16371

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cacgtctgcc acgttcgtct ggatcggcga gcgcacccgc cagcgcaatg gtccgcacct 60
cgaatatgtc cgggggatcc gcaaccgat cgggatcaaa gtgggaccga ccatgcaccc 120
acaggaactg gtggacctgt tggatctgat tatacgacag cccaagacc ggcacgatcc 180
ccaagatggc cgagtgacaa tcatcacgcg gttgggcgcg gatcaggctg agacggtgct 240
gccgcgcttc atccacgccg tgcagaaagc cgccacacg ccggtctgga tgtgcgacct 300
ctgtcacggc aataccaccg tcacgccttc ggggatcaag acccgctgtg tcgagaccat 360
cgtccgggag gtcacccgca ctttcgaggt tcatcgagcc agcgggtcgt tcatgggggg 420
gctccacctg gaacagacgg gcgaattcgt caccgagtgc gtggacgcct gggacacttc 480
ttgcgagcgg gacttgacga caaactaccg cagtctgtgt ga 522

```

<210> 16372

<211> 1368

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (202)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16372

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caaatcatat tgagcatgtt gagcccagac ctccagccgg gaaagggtgcc tccgccgagc 60
caaaacggcg tgggaattggg ctcatcggat ggttgacgc cccagagttg gcgaaagcgt 120

```

ccggcgattg	cgcaggagat	tgaatacaaa	gaacctttgc	aactggagga	agtcctgcgc	180
acgttcggtc	ctttgccgcc	cntgttcagc	ccggtcaaga	ttgaactggc	ccgcaaacac	240
tttgccggcag	cggctcgcgg	agaagccttt	atcatccagg	gcggagattg	tgcagagagc	300
ttccaggacg	tgcggccccct	gatcgtgcag	cagaagggtc	agctgcttca	cgaacagtcg	360
cggctgctca	gggactcgct	gggcctgccc	gtgatcacgg	tgggaagaat	cgccggccag	420
tatgccaaac	cgcgatacctg	tcccttcgaa	accttggccg	atgggtctca	ggtctacagc	480
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ttgctgcagg	catattttcca	cgcccggggc	acattggatc	tgatgaaagc	ctgcccgcga	600
ctgcggacgc	ccccgtccgt	cgatgccatc	gcgtcgccgg	gaaggacact	cttccgcacg	660
aatctcccgg	gggagccggg	acaagggcc	atcttcacat	cgcataagc	cctccacttg	720
ccgtacgaga	gcgcgggtcac	ccacggccgc	tataacacgt	ctgccacgtt	cgtctggatc	780
ggcgagcgca	cccgccagcg	caatggtcgg	cacctcgaat	atgtccgggg	gatccgcaac	840
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ccctcggggg	tcaagaccgg	ctgtgtcgag	accatcgtcc	gggaggtcat	ccgcaccttc	1140
gaggttcatc	gagccagcgg	gtcgttcatg	ggggggctgc	acctggaaca	gacgggcgaa	1200
ttcgtcaccc	agtgcgtgga	cgccctgggac	acttcttgcg	agcgggactt	gacgacaaac	1260
taccgcagtc	tgtgtgatcc	gcgactgtcg	tacatccaag	ccttagccgt	ggttcgggtcg	1320
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<210> 16373

<211> 606

<212> DNA

<213> A.fumigatus

<400> 16373

cttaaatccc	ctggccggga	agatgaggcc	gcatatcgtc	cagcaaattct	acaactgcct	60
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gtcctccaac	ggcgtgacga	gtccacacaa	caacagcatc	ctctccttga	cagctttcgt	180
cattccccag	gcatcgcaac	cgatgacggc	ctgggttcgtc	agtgcacgcg	accgggctg	240
gtctgctcgc	acaaacatgg	ggccaacctt	ccttatccct	tctggcggga	ttctccgaac	300
ggcacctacg	ccaccaacct	ggcggacatc	gagttcaccg	gcggccgagg	ccaacccaag	360
tgcacctcct	gggagcagg	ggaacgagcg	gactttgtgg	tcttcgacga	ggagcgtgga	420
cggaagctcc	tgggcgagaa	cccccgctg	gactttgtct	tctccgtcaa	tccgtgggcg	480
ctgcacgagg	cgccgacgta	cgtgccgggg	ctccaccaga	tcttcttctc	ggagctctcg	540
cccatgtcgg	agcagttcgt	catcgagttg	aaggtcgacc	cgccccacct	gtccacattc	600
cggggcg						606

<210> 16374

<211> 579

<212> DNA

<213> A.fumigatus

<400> 16374

gacgaccgtc	gacgtgatcg	gccggcacca	ggtcagcttt	ctcttcatca	ccccccgat	60
tgcagcccg	ctggcgcgcg	cggacttcca	ggcgtccggc	gtcgacgtcc	ggagtgtcaa	120
gtggctcctc	acggctggcg	cccccatgca	cgacaacctg	cggcagacgg	tttccaagca	180
attcgggggc	gttcccttgg	acctcgaatg	gggcacctcc	gagaccatgc	tcattgccat	240
ccagcgcgac	gccgactccc	gccgcagtg	gtacagtggc	acctcgtga	acggaatgca	300
ggccaaagtc	atcagccggg	tcaccggcca	ggaactgggc	gtgggcgagg	cgggcgagat	360
cctggtgcgc	aatcggctgt	gtcgattcaa	gggctacaag	gacaacgagg	tggccaatcg	420
cgacttcgac	gccgaaggct	ggttccacac	gggggactat	gggcacctcg	acgagaattg	480
caacgtcttc	atcatggatc	ggatcaagga	gtcctcaag	gtcggcgggc	gctacggggac	540
gcacatctcc	gcggcgggagc	tggagaccgt	ggtgtttga			579

<210> 16375

<211> 1221

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1101)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16375

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ggcttgatg tacgacagtc gcggatcaca cagactgcgg tagtttgtcg tcaagtcccc 60
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gtggagcccc cccatgaacg acccgctggc tcgatgaacc tcgaaggtgc ggatgacctc 180
ccggacgatg gtctcgacac agcgggtctt gatccccgag ggcgtgacgg tggatttgcc 240
gtgacagggg tcgcacatcc agaccggcgt gtggccggct ttctgcacgg cgtggatgag 300
cggcggcagc accgtctcga cctgatccgc gcccacccgc gtgatgattg tcaactcgcc 360
atcttgggga tcgtgccggg cttggggctg tcgtataatc agatccaaca ggtccaccag 420
ttcctgtggg tgcattggtc gtcccacttt gatcccgatc gggttgcgga tccccgggac 480
atattcgagg tgcggaccat tgcgctggcg ggtgcgctcg ccgatccaga cgaacgtggc 540
agacgtgtta tagcggccgt gggtgaccgc gctctcgtae ggcaagtgga gggcttcatg 600
cgatgtgaag atgggccctt gtcccggtc ccccgggaga ttctgctgga agaggtccct 660
tccccggcag ccatgggcat cgacggacgg gggcgctccg agtggcgggc aggtttcat 720
cagatccaat gtgcgccggg cgtggaaata tgctgcagc aatcggtcgg ggtccggggg 780
gcgatcgtcg ggatggaacc cgtggacgtt ttccgccccg aagctgtaga cctgagacct 840
atcggccaa gtttcgaagg gacaggatcg cgttttggca tactggccgg cgattcttcc 900
caccgtgatc acgggcaggc ccagcgagtc cctgagcagc cgcgactgtt cgtgaagcag 960
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gggcgtccaa ccatccgatg a 1221

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<210> 16376

<211> 1995

<212> DNA

<213> A.fumigatus

<400> 16376

```

gccccaccaa aagtgaaga gaatgccgga gttacgtcta cggccagcct catccagatc 60
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ccggggggttg tgggtccatc aggactctct gcttcgtctc ttcacatggc agcccttgcg 180
atggataggc attgtggact ggcggatata cagagtggag atacggccct cgaccgctat 240
ttaatcgctt tccgttcacg acgttggtcc ctcgagtcga cgctttcgaa gaacaggcgc 300
cgtaccgagg atacggggac gcatctacga taccaacaga cttccacagc tgtggcgaat 360
ctcactgttg tcccgggtat ccacctgcag attcattcta ctggcttggc ggcacaaacc 420
atgatctttg aatccaaaact tccctctacc tccgtgccca agaccgatgt gttcaactac 480
atctttcacc agggcagacg accatatcca tggagtcgag tgctctaccg cgtcgaccag 540
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gtatgttggg agcaatctct ctctctctct ctctctctct ctctctctct 720
gtcgtttcgt gcttgcggct aacggcttgg gagcagatcc aatatccaat cgcctatatt 780
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```

gacgacagtc cgaaccaatt gtgggcatcg ctggagcgtc ttttggcccg cggccgccct 1020
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aaccgcacga gcgatccac ggggaacgct aagtcgctcc tcaccagcca tgcccatttc 1140
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gcggcgggagc tggagaccgt ggtgttttag catcccgcg tggccagtgt cgtggtcgtg 1920
ggcattcgca atgacttcac ccagctggat gagccgaccg cgtgtcttca ccacggggct 1980
ggaaggagcc gcgct 1995

```

<210> 16377

<211> 321

<212> DNA

<213> A.fumigatus

<400> 16377

```

atcagacgaa tacgtgataa tcaacagatt gatatgaatc acaataatgg ttactattat 60
ctcaaccgcc ccgactttta tgatgctgtg actcaacctt cggattttct ccatactctg 120
ggtggatgct ccccggtgat ggagcacaga tttcactatg gggactcaag aagagcagac 180
agttcattct gcacagcgat ggcggtgggt ctgtcagcct atcataccgc gtactatccg 240
acatcgcccg gggagctcag caccaactcc gatcacgtgc ctaccacagc tctactgtcg 300
tcctcgacaa cgagcttata a 321

```

<210> 16378

<211> 732

<212> DNA

<213> A.fumigatus

<400> 16378

```

tgctgtgact caaccttcgg attttctcca tactctgggt ggatgctccc cgtggatgga 60
gcacagattt cactatgggg actcaagaag agcagacagt tcattctgca cagcgatggc 120
ggtggctctg tcagcctatc ataccgcgta ctatccgaca tcggccgggg agctcagcac 180
caactccgat cagtgcccta ccacagctct actgtcgtcc tcgacaacga gcttataagt 240
ctcaccacgt ccgtcctcaa ggaaacttcc ctttctctct ttattatatt cttgcaaagc 300
atcaaatact tgaccaatct cctctcctct tccttcctag actccctttt cctccatcct 360
cacatcctac gcatcacaat ggcttcccgt ggactcccc gtgcctcccg tctggcccg 420
ggtgcgccc ctgcacagt catctcggcc gcccttcccc ggcttgcct cgttaaggct 480
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gattccaagg agaccgtcta cgagcgtgcg gattggcccc gtgagaagct ccaggaatac 600
ttcaagaatg acactcttgc tctgattggt tacggctccc agggtcacgg tcagggtctc 660
aacctccgtg accaaggtct caatgttatt gtttggggtc cgcaaggatg gtgcctcatg 720
gaaagggggc ca 732

```

<210> 16379

<211> 2523

<212> DNA

<213> A.fumigatus

<400> 16379

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gttcgccccat	ctggtgcaact	gcatgttccg	aatgcagctg	aaatcttggg	aaatatcgcg	180
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gatgaacaaa	ggaaaagagc	cgagcgaccc	agctcgaaaa	caccagttga	tgaagaagca	360
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gcgcccgttt	tggctgctat	cgatgctgag	aatgacacat	tgatggacaa	gtcggattac	480
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ctgctgtggg	gcagccagct	tctcaaaatc	aatgagcttt	tgcaggactg	gcgtacctcc	2280
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ctccgagata	ttgtacagac	atgcggacca	ttttcgagcg	atgaatatcc	caatttggcg	2460
caatactacc	gacgtgtgga	gaagcgcgga	attgtcaaa	cgaccctgga	ggagctcaaa	2520
taa						2523

<210> 16380

<211> 471

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (103)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16380

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atgtcggaac	ctctggcttg	ccccgggaa	catggcggtg	ccattgaccc	gtcgcggttt	180
cgagacacag	acggaaaact	gtatgtcacg	tacaaaagcg	atgggaatag	cattggccac	240
ggtggcgact	gtaacaatgg	caagaaaccc	attgtcaaag	tcccatcat	gcttcaggag	300
ctccaagacg	acggtatcac	cccagttggg	gaccctattg	aaattctcaa	gaacgaacag	360
gaagatgggc	ctctggtcga	ggcgcccaac	atcatccgga	cagaccaggg	ctattactac	420
cttttcttct	cttcccattg	ctttcttcac	aacggcgtgg	aaggaccgcg	a	471

<210> 16381

<211> 204

<212> DNA

<213> A.fumigatus

<400> 16381

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ttcaagaact	tgaaggacat	tttcgtgttc	tataaagtac	tatgtatttt	gtccaatcgc	180
ctgcaaaaca	atggacttaa	ctag				204

<210> 16382

<211> 1260

<212> DNA

<213> A.fumigatus

<400> 16382

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<210> 16383

<211> 1020

<212> DNA

<213> A.fumigatus

<400> 16383

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gaggacgtgg	acagggagcg	ggagcgcgat	cgagacagac	atcgtggaag	tccgagagaa	420
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agtcgggctt	ccaagagggg	cagggagcgt	caagaaccaa	ctcctgcagc	ggaggaagac	960
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<210> 16384

<211> 360

<212> DNA

<213> A.fumigatus

<400> 16384

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cccatgactg	gaccagcggc	tgcgcgcct	ctgtggcagg	aggcgcgcaa	tgccgacggt	180
agagtgtatt	attacaatgt	tcagaccaa	gctacacagt	ggcagaagcc	cgtcgaattg	240
atgactcctg	tcgaggtttg	ttgctattac	gagtcctcgt	gtactcatgt	ctgtgcta	300
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<210> 16385

<211> 1116

<212> DNA

<213> A.fumigatus

<400> 16385

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tacggttcca	tggatgtcaa	tggattttcg	gccgctccag	cactgggaac	tgcgcaagca	180
gagccagagt	ataattccct	cgaagaagct	gaaaatgctt	ttatgaaaat	gctcaagcgc	240
cacaacgttc	aggctgactg	gtcatgggag	cagacgatgc	gtgcaactat	caaagatcct	300
caataccgtg	ctttgaagga	ccccagagac	cgaaaggctg	cctttgagaa	gtacgcagcc	360
gagctccgca	tgcaggagaa	ggatcgagcc	aaggaaagat	tcgctaagct	cagaaccgac	420
tttaatacta	tgcgtgaaa	ccatcctgag	atcaagcact	acagccgctg	gaagaccatc	480
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cggcgagggg	ctgcactcga	tgagctagtc	aatattctga	attctttgaa	cctggagcct	660
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gataagttca	aaagcctgag	caaactctgat	attttgaccg	cttttgaaaa	ccacatcaag	780
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gaagaggaac	gatcgctgcg	gggaccacgg	aatgacgtgt	tggatgttct	cgatgtaagg	1080
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<210> 16386

<211> 234

<212> DNA

<213> A.fumigatus

<400> 16386

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ggacggaaat	actggtacaa	cacggaaact	aagcaaagca	cttgggagat	gccagatggt	180
tacaaaaatg	ctttggcgca	ggttcaaaca	cctcagtcgg	cccctgtagc	gtaa	234

<210> 16387

<211> 231

<212> DNA

<213> A.fumigatus

<400> 16387

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cccacgtgcc	gcctgatttc	cctcacagac	tttcaaatg	accaaacttc	aactgcttat	120
aactccacta	atataactct	aattaaagca	gctttagaag	taattaaatt	gttggaacta	180
ggtaaattaa	ttaattatac	tttctttgca	aataagtatg	gcgttagcta	g	231

<210> 16388

<211> 306

<212> DNA

<213> A.fumigatus

<400> 16388

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cccagtgcga	tggcaaatga	agaagatggg	tcgtcgactc	ttctgagcaa	gaagtcagca	180
tataattcag	tctataagca	caacatgacc	cacagcgcta	agtcgccgct	ggtggagtgg	240
attcagcaga	ttatgagcca	gcgaggtcaa	gtcgtcacga	acgctgggct	ttccatgac	300
atatag						306

<210> 16389

<211> 258

<212> DNA

<213> A.fumigatus

<400> 16389

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cacagcactg	ctactactcg	aggggggttct	gagttatggc	gcagaatata	tcccaaggcg	180
acctccgagg	tcgattcact	gttaggaatt	ctgtccattc	ttcagatgtc	gagtaagccc	240
aaaatgccgt	taaactga					258

<210> 16390

<211> 486

<212> DNA

<213> A.fumigatus

<400> 16390

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gatcctattg	tcgtcgatga	tgagatggaa	aatccctatc	aagataaccga	tttaaacttt	120
ctcgactcta	cgagactaca	gatgaacgag	gccgccggcc	aggatttcga	cgatctcttt	180

gcccggttccc	actcctccca	cacggtcacc	gactcagaat	ctgtgtgttt	gtctccctca	240
gaactctcca	taaagagaca	ctttcaggaa	cacgatgcac	tgaggcaacc	caagattggt	300
gcttcagact	cccctgccga	atctctggat	aactcgagtc	ccagttcttc	atccgattct	360
ccgcggaatc	acggccgtaa	cacctccgtg	gctacgacca	tttccgtcct	aatagcgacc	420
aagccaccat	attgccattt	gcttccgcac	ttgaggatgg	gatcacctcg	gacttcgatt	480
cattga						486

<210> 16391

<211> 897

<212> DNA

<213> A.fumigatus

<400> 16391

aaatgcccc	ggctgaaaag	aaacaatccc	gagggaaata	taccaccaa	gcctgcgagg	60
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gttctgacgt	gcaaactgtg	caagtgcgac	gggaaaaagc	catcctgctc	gcggtgtctg	180
caatggagta	tctcttgcca	atactcctcg	acggaggacg	ggagacgtcc	tgcatccaag	240
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ggactggatc	cagacgcgga	aacgtcactc	ggagaggact	ccgcagaagt	ttcatatatg	360
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gccgatggcg	agatgcggtt	cttcggggccc	acgagtggcc	gtctccagtt	cgctgcccac	480
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gcatacgacg	ctttcgttcc	tacagagctg	gaaacccacc	tgatcgatct	gtacttcgcc	600
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ctcgaacagg	ccaagacttt	actgcacg	gaaatggaac	ggccgagcct	gacgactatc	840
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<210> 16392

<211> 297

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (250)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16392

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gaccgggctg	ccttcgaggg	agccgtgagt	atgtctacca	aggaaatgca	gctccgacga	180
cagatctact	ggactctata	ctgtcacgac	aagctctctg	cgagctatac	agggcggttt	240
tgtccatgn	tggttcgtcg	gtcatcctta	gttcttttga	ataccacagc	ccactga	297

<210> 16393

<211> 600

<212> DNA

<213> A.fumigatus

<400> 16393

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ctctgcccc	aaggcaatga	ccccctgccg	gcttcggcct	ttacctcca	acaaagcaag	180
gacaacagcc	atctagcctc	cctctcgcac	atcttctccg	tggccggcaa	aaatgtcagc	240

atcgctcgcg	tgettgaactc	ggccaaccgt	gacctcgcca	aggggaagcc	gccggtcggg	300
acgacccccg	tcgaagcctg	gaaatggaac	cccggcgaca	tggccacgaa	gaaatgggtg	360
ccgcaggggga	tcaccggttc	cgcgatgccc	tccgcctcgg	gcaaagtggga	cggccgcgag	420
atgtggctgg	tcagctggca	ccgcgatgac	gataaaagcg	tgcgcgtgag	ctttgtcgac	480
cgcaaagaac	gcaccaagta	cccggccatg	tgctctctgg	ggggagcccc	actggcggga	540
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<210> 16394

<211> 531

<212> DNA

<213> A.fumigatus

<400> 16394

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tttgccacga	agcaacaact	caccccgga	ttccatcaga	ttttcatccg	cgggatcggc	120
tgcaactggc	tgggtctgtc	ggcttgcttc	ctcggcgctc	agggccgcga	tctcgcctcc	180
aaggtggtag	gcattctggt	cccgaacctt	gccttcgtgt	cgctgggctt	tgaccacgtc	240
gtcgccaata	tgaccttcat	ccccctggcg	atctggctgg	gggcgcccga	gatcacggtg	300
gcgctgtaca	tctggaaggg	gatcattccc	acgctgctgg	ggaatatcat	tggaggtgga	360
ttgtttgtcg	gtaggtgtac	ctcttgccgag	ttggcgaccg	tggttaacca	aactagcgac	420
atactactgg	tacatgtacc	tcgtgagcgg	agagatggcc	actctcacgg	ggatgcgcca	480
gtcagggcacg	acgacgcctc	gttcaactgga	tatcgaggcc	atggctgctg	a	531

<210> 16395

<211> 1056

<212> DNA

<213> A.fumigatus

<400> 16395

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agtgtatcaa	actcagctgc	gcctcgcaaa	tccctgatga	aggacagtaa	agccccgata	180
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cacaaaaaca	acgatactga	cttagacgac	gatgaggagc	taccatggga	gggcattgag	1020
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<210> 16396

<211> 1332

<212> DNA

<213> A.fumigatus

<400> 16396

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aaacactttg agaacagccc caaattgccc gagatgaaag gcagtgccag gaaacaaatc 180
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ttccctgaat tgtccccgtt gggcacctcc gaagatgaca ccgaggaaag tatatcggtt 300
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tcgcatacgc ctcaaaagtc agccatgcgc gtatcctcga gaaggaccgc cagcgagagt 480
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gaccatagga gagacgcggg gtctcactat cagagtcagt ttctttttgc agttcgagaa 1260
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<210> 16397

<211> 456

<212> DNA

<213> A.fumigatus

<400> 16397

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cggcaaggta accctgatct cccgctacgg cgccagcaag atcagccagc accttcccgc 180
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cctcgaactc accggcgagg ccgtcacgga gtgtgtggcg ggtgcggggc ggctgaccga 420
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<210> 16398

<211> 615

<212> DNA

<213> A.fumigatus

<400> 16398

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cccagcatga ccccgacga gctcgtccgc cttctcgaca tcgtcaaccc caaccgcgaa 180
atcggaagg taacctgat ctcccgctac ggccgacgca agatcagcca gcaccttccc 240
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<210> 16399

<211> 213
 <212> DNA
 <213> A.fumigatus

<400> 16399
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 tctgtctacc tagggattaa tatattatat taa 213

<210> 16400
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 16400
 cttatactag gaacctatct agatattact ttactatat ctaagcttac ttactttact 60
 aggaatctca gccctaatta ctttattata gtaaagtata tattctacta tctagtaggg 120
 atgctcttac tcttattatt ttatccttct atacttagta atcttaatag ttttattaat 180
 actaattag 189

<210> 16401
 <211> 1134
 <212> DNA
 <213> A.fumigatus

<400> 16401
 ctgatcctga caatgtccaa tgttgatata accaacgatg gcttcacg gcttgactac 60
 gactcgagga gttacatcca ggctcagtc tggcctgtgg cgggtggacca tcagagctcc 120
 cagegaacag agggatcgcg agacatctct agcggtcacg catatgaaca gtcggtagct 180
 caggatccca acctgatggt cgactggcac ttccaacagc tgcaacccca ctttcagtac 240
 actcaggagg atcattcgtc ggctcagcaa tatacaactt caagctatgg aatgcccatc 300
 cattcgctctc ctgtggatgt catggctccg cccagggcc agatgagctc cgggtctttg 360
 gaaagttctt atatgccact acctgcgcca gtcgacatgg taccatttgg ctaccaggat 420
 ctccaaactg agctgatgct tttcccgac ggctgccag atttgatc ctacgctgca 480
 ccagtaact tgattggcag cagttcccc acggacactt acttgggaagt acggtcattg 540
 tcgagtagcg ataacggctg gagcgccatc gagccccgtc actctcacga atttatgttc 600
 cccgatcagg gcatctttat caatcccacg caaacgttgc acgaccggag cctttctgaa 660
 tcatectact caacttccta tggcagtttc gttgatattt ccaatccaat caactcgccc 720
 acttctgac ttaacttcga gtctgccttc agcatgccga gacgggtctc ttacgatcac 780
 acttcccgcg gctcccgatc ccctaccgca gtcagccccg tagcaattgt gcgacctatt 840
 cctgttccct ccaagaagtc cacttcgccc accaggtctg ctggatcaca ggcgtcatct 900
 tcatecgccg ccagtagaaa accctcgcg aaaagcccaa tcgctgcgaa gactgaggag 960
 acaaagatcc gcaagcaatc gcaagctgga aagccggaag gcgaaaaacg tgttggcaag 1020
 cgaaagggcc cgctcaagcc ggatcagaga aagcaagcca gtgaaattcg caagttgagg 1080
 gcatgcctgc gttgcaagtt cttgaaaaag actgtaagtt cttccgatcc gtga 1134

<210> 16402
 <211> 249
 <212> DNA
 <213> A.fumigatus

<400> 16402
 aatagtgtag tatctctaag gttagggata ggggtggtag tggttaataac ctatattatg 60
 gcattaatga tatgctcttg cctgggtgatt atctactata atacctctaa ctttacctta 120
 agttccctaa tctattactt taatataata acttccttaa cttttgcctg tatagcctat 180

ttatatatttct acttaacctt tattacctct tctctgtata aggagttact attatatatt 240
atctcttag 249

<210> 16403
<211> 888
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (498), (499), (510)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16403
ctgacagggc aaccttcaca gtgtgataaa ggcgagccct gtgccggttg tcaaccctcg 60
catgctagat tatggcaagt accttgtaca agaattgaca tcaaggaaat cgggtacttc 120
atgaaagatt ggaaagcgga ctacgagcgt catattactc tcggattttc cgtcggaaac 180
atcaagggtt tctcggagca cgagaggacc ttgttcatca cccatgggta tggtcagatt 240
cttccatta acgcccggga ggtttacgtc cgggatgac aatgcttcag tgtcgactgg 300
gtcgaatcga tgcaccgaga acccaccag tacgaggctg agacagccaa actgtctgct 360
ggtatggagg gtatctcaca tgcaatgttg tctgattatc tcgaccgcca cattgatggc 420
aatggtactt ttgagaagtt tgtggacgac tacttcgagg gcacaccatt cctcacgcag 480
atgctcaaga ctgccttunc gtattacttn cgcaccaagc tacctgtgat ccgtaaagcg 540
ttggaactca tcattgcta caccctgact ctccatgtca caatgggtgga gggatatagg 600
gaagaagatg gctttcttgg caagattgag gaccctgcat cgaagtttaa aggcaagatc 660
atggcgctg tcgatgcaa ttccaggtc aagtgcgcca tggccaatat gtggcgcgag 720
ctgcagaagg atgtcctcga agagctgtcg agtctctatt ccagcgtgta tagtggagag 780
aaactgaaga attggcctac aattttcatt ttagcctgca tctattggc agtgtgggaa 840
gaaatgcagt tcgactgcca ttaccgcaca ccggtgagtg gcaattaa 888

<210> 16404
<211> 252
<212> DNA
<213> A.fumigatus

<400> 16404
aaggttgaaa tactgacatc tcggaaggat cctgctgctg tggagaagtt ctgcaatgac 60
atggagaata tcctgtcgg agtcatcggt ggtttgttcc aggcaatttc gcagaaactc 120
cccgttttca cggattggga aacacaaaag caccaccact tgctgttttc gaatccagat 180
gtttgcaaca ccatgaccga ggttcgagag catgtaaggc aatatggtaa gcggccatct 240
gtttcgccct aa 252

<210> 16405
<211> 1164
<212> DNA
<213> A.fumigatus

<400> 16405
gcttttgcca tgaccgtgaa ggtgagcaac ccatccatcc gatggaagaa ggatccaaca 60
actgacagcc tagaccteta ctctcttgct ctgaccgtg tatcctccct tctgcgcaag 120
tacgcaatcg accccaacac catcggccgt ctggaagtcg gaaccgagac tctgctggac 180
aaagccaagt cctgcaagac ggtgctgatg cagctcttcg gcgacaacac tgacatcgag 240
ggtgtcgaca catataacgc ctgttacggc gggaccaacg cgctgttcaa cgcagtcaac 300
tggatcgagt cgtcatcggt ggacggagcg gacgccatcg tcgtagcggg tgatattgcc 360
ctgtatgaaa cgccagcggc gcgtcccacc ggtggtgcag gatgcgtggc catgctcatc 420
ggtccggatg ccccgctggt gctggagccg gtccgggggt cttgcatgaa gcacgtctat 480

gacttctaca	aggcgtat	caaatccgag	taccgctgg	tcgacgggca	gttttccaac	540
acctgctacc	tgggggccc	ggatgcacgc	taccagcgct	accaggccaa	gcagcgcgcg	600
cggcaagcgg	ccaagacgaa	tgggacggcc	atcagcaatg	gtcaccaggg	gagtttcctg	660
gacacgtttg	actatttcgc	tttccatgcg	cccaactgca	agctggtggc	caaggggtat	720
ggcgggttgc	tgttcaacga	cttcaaatta	gagtcgggat	cgtttgacga	ggtgccggca	780
caagtccgcg	aggccgactt	cgccgcgtcg	ctgacggaca	aagccctgga	gaagctgtgt	840
gtcagcctca	ccaaggagag	attcgtccag	cgcgtcgagc	cgtccttgac	cgccccgacg	900
aactgcgggca	acatgtacac	cgccagcgtg	tatgcggggc	tcacagcct	gatcagcaat	960
gtccccagcg	accgactgca	ggacaagcgc	atcgggatgt	tcagctacgg	cagcggctctg	1020
gctagcacat	tgttcagctt	ccgggtcaag	ggcgacacga	ccgaaatggc	tcggaagatt	1080
ggcttgacag	atcggctgag	tgtcgaacg	gcagtgtcgc	ctgaattcta	tgatcagggtg	1140
agtcgtttga	tatggatgtt	ctga				1164

<210> 16406

<211> 204

<212> DNA

<213> A.fumigatus

<400> 16406

gttcgccagt	gcttctcctg	tggcagtgc	caagaacctt	ggctaagaga	actgcagtat	60
gtcccacaga	ccgagctcga	gacatttctt	ggagccagtg	ccggaaaata	caccattggc	120
ctcgggtcaac	agaacatgag	cttttgcgat	gaccgtgaag	gtgagcaacc	catccatccg	180
atggaagaag	gatccaacaa	ctga				204

<210> 16407

<211> 795

<212> DNA

<213> A.fumigatus

<400> 16407

tcattctcat	cgacctgctt	ccttctcttc	tcttccctct	atcttactga	gacatacagc	60
aaaatgtctt	cctggacagg	cgcggtgcc	atgatctcat	ctccatcctc	attccatgcg	120
cttccattag	agtgccgaca	acagattcta	tgcgaccttc	cagacattca	atcgctcaaa	180
tccgccatac	taagccattc	tgcgttgtag	gcggcctttt	ataattacca	gtcgccgatac	240
atattgcaag	tcattcaacg	tcagattcct	gcagacctac	tcgcatatgc	tgtcctgtgt	300
tcccatgcac	gcaacatcga	accatggacg	aggacaaagg	ttctagatat	actggacctg	360
tacttcaacc	gccgcctggt	tgagtcattc	caatggacta	ttcgagcagc	tctggatctg	420
gtgaaattcc	acgaaagcgt	gacctttttc	gcaaatgact	acatcgacaa	cgcactgggc	480
ctcgtggcac	ccttgaactt	tccaatccac	gcacctccg	agactgaatg	gtgccgggtc	540
gctcgggcat	tctacctaca	ggagacgata	ggccatttct	tttgctttcg	aaacggagga	600
gagcgttggg	tactggcg	catcagatat	gcacgtccat	gcccgtccga	attccatcat	660
cgggagaagt	ttgatata	cttcggcaag	cacgcgcct	gggagatgga	gcaagtcggt	720
gcggttaatg	agtacttgta	ctggagaatc	tcaccaggta	tgtctatccc	ctgctacatt	780
tctgtgtttg	tttag					795

<210> 16408

<211> 1344

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (952)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16408

gacctgaaaa	ttgatcgtga	gaagggagct	cagaaaaaag	tttgttatct	ggtggagtat	60
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atgaagagac	tgaggaaatg	gtatgtcatc	ttaattgcaa	catcgcgtgc	aataatcaga	180
gttcatgcta	atatacctca	tgttgatcag	acgaacaatc	agaataacgt	gaccaacact	240
actcagctca	gtaaagggaa	caaacgcctg	ctgcacctcg	gagacaacga	gacacgtccc	300
agcaagcaaa	ctaagactgg	cgatgttgca	gcaaacagtg	acaatgaccc	agacttcgat	360
cctagcgagg	atagtgattc	tgacgggggt	gacattagcc	ctgcaggtaa	cattggccgc	420
tctccactg	ctcggcagct	tcgtaatgcg	cctcgcaagc	agctgaatga	tactgtcgtg	480
ggttcagctt	ctggcctgaa	gcgtccttcc	aagagtacaa	agcttcaatt	cactgggtcaa	540
cctggtgcac	gcaattcggt	tagcacaacg	cctgctagcc	ctgaccctcg	cacactgcag	600
aacgcaaaaa	aatctatcaa	aactactgaa	cttgcaccca	actcatctca	gccaaacactt	660
ccaaattctc	gcactcctga	caacgctgca	gacacgaaca	aatctgacgc	aacctctgaa	720
atcgtgtcca	cgggtgcagag	agctcctcca	aactcgtctc	ctgcaaacac	tcatcgttct	780
ctgccgaatc	aagaatctac	taccgacgaa	catttgccat	caaagcctga	agacaaaatg	840
gctcctcgtc	ctcacactcc	cccttttccc	gctaccactg	gttttaccga	atctggaaac	900
aacggatacc	cactcatgca	gcacggcgca	ctcctgtttg	tgaggcccg	tntcgccatg	960
agagaattgc	cgagagagcg	cgcccgaac	gccagttgg	acgagagata	tgagaatctc	1020
gtgatggaag	gtactgaact	gaaggagaag	gaagccgaat	ggagacggga	gattgaagag	1080
ctccagctcc	ataacaagaa	cctcgaaggc	gaccttaaga	agcagattga	tcagaacaag	1140
aagctcgagg	ctggactgaa	ggagttgagc	gagaagaaga	accaggggtgc	tctcgattct	1200
gccaatggag	ccaccaatgc	caaatgcgag	cactgccttg	agcatctcac	tcgcatcaac	1260
gctctgaccg	aagaaaataa	gaagatgaag	cagagatgca	aggttttggc	tgaagcattt	1320
gcggctggca	atgatcaagc	ctga				1344

<210> 16409

<211> 243

<212> DNA

<213> A.fumigatus

<400> 16409

aaattttcat	caagacagtt	gcctttccca	tttctctctc	aggagaaaca	tccgttggat	60
gttctcataa	aagcacatgt	tacgaagcga	aacctttggc	atcgccgtcc	tctgacttgc	120
ttctctttta	gtctcgagcg	tgaaccgaca	gtcaatatgt	ctggctggaa	ctccggtgag	180
gcagatgcct	ggaataccaa	tgaatcaagc	ggctggaata	acaacaatgg	caccggtacg	240
tag						243

<210> 16410

<211> 186

<212> DNA

<213> A.fumigatus

<400> 16410

catataaaga	gactgtatac	tcatttttagc	ttggcagatt	ttgctgacga	gaatgtcaac	60
ccaatcagct	ccgcccctgc	tggagacttc	agagagggca	aatggggcgg	tgatcaaatt	120
ggtggctcagt	tcgagcccac	cttcagcgct	ggcgaagagg	gcaatgacaa	taaattgtcgc	180
aagtaa						186

<210> 16411

<211> 261

<212> DNA

<213> A.fumigatus

<400> 16411

ctgacaagag	gtgtaccagg	tcacaagact	atcgagtgca	ccgagaatcg	caaattcgat	60
ctgaacgata	tccttgacaa	gcttcccag	gaagcttggg	ctgccctcaa	gaaggctagc	120
aacgagagag	atctggaaga	cttccgtgag	gtaggcaatg	gaattgacct	atacgcattt	180

gaaagacaac agttgatggc tgacagccct ctagggcctc aaggtctatt ccaaggcggg 240
tcctcaggcc acctttgttg a 261

<210> 16412
<211> 390
<212> DNA
<213> A.fumigatus

<400> 16412
tgtgaagaag gtaagatacc atttgcagga atggcgggcc attctttgta cccaagatta 60
atggatgatg ttctagtcgg acacttttagc cgtgactgcc ctcaaaagaa ggactggctc 120
aaggtcaagt gcaacaattg tggtgaaagt gagcaatctg ccaaggatgc cgcacataag 180
ggtcaaatgt tgaccaatgt aacagtgggc cacaccatca agcgtgcct tcaggctgcc 240
agtgaggggt tcggtcaggg caacaacgac atccaaacta atggcgggg tgatgattgg 300
aataccaata ccgtgcccc cctcagcaat gaaaacactg acggagatgc tgaaaagggc 360
ggttggtccg ccggcgggtg tggatggtaa 390

<210> 16413
<211> 318
<212> DNA
<213> A.fumigatus

<400> 16413
agagactgta tactcatttt agcttggcag attttgcgtga cgagaatgtc aacccaatca 60
gctccgcccc tgctggagac ttccagagagg gcaaattgggg cggatgatcaa attgggtggc 120
agttcgagcc caccttcagc gctggcgaag agggcaatga caataaatgt cgcaagtaag 180
tgtcttctc ccctgggaag gtctacgaag gtcctgttgc tgacgagacc cagttgtgga 240
ggtgatggtc attttgcgcg tgaatgtcct gcacctcgta agggatggtc ttgcttcaat 300
tgtggcgagg aggggtaa 318

<210> 16414
<211> 273
<212> DNA
<213> A.fumigatus

<400> 16414
ctctcactgc aggagaaacc agtcgaagac agcatcagct tgatcaatct ccagggaag 60
ttgaactgca agtatgtcgt tgcattctac ttccagcccta agccgcagcg cgcgaacctc 120
aaggaacgct ggcttgccga ccctgaagag aaccttgagc gccttgaggt cgctggcttc 180
ccttacgata aacaaatccc caagtgcggt aattgcggtg gtaagcaaaa actttctctg 240
ggtggatatc gctactctca aaaagaatgc taa 273

<210> 16415
<211> 201
<212> DNA
<213> A.fumigatus

<400> 16415
agtatcatag aaatgggtca cactgctcgt ggttgcaagg aggagcgggc tttgggtggac 60
cgggtcgagg tcaaatgtgt caactgtaac gccagtggac atcgtgccc tgactgcact 120
gaacctcgcg tcgacaggtt tgccgtgcgt aactgcgggt atattgtttt tcctctcttc 180
atcttccgag tcttgcgttg a 201

<210> 16416
<211> 597
<212> DNA

<213> *A.fumigatus*

<400> 16416

ttgggtccttc	ggcatttcgg	ccattccgat	ctccgtccac	aacgatcatt	cgaggggtctc	60
gaaagctcat	cttcattct	tcttctcggc	ttgtacata	cagggagttc	agcactgact	120
ccccctgcta	ttggcatcac	catggcttct	ttaggaggct	cggtgcctat	gttccggagc	180
ctcgcgcccc	ggttctccaa	ggatttcttc	acttgccgac	aatgcctcgg	acggacccag	240
acatatgcaa	ccaaatccct	atttcgcaag	cagtttgctg	gactttcctt	cggccaaaag	300
tcttctaata	caactccgaa	ggcattcagc	gtgacagcca	caaagttttt	ctcacctatc	360
ttacggaggt	ccgtcgccgg	atcagccgtg	gccgggtgcg	tggagcacgg	agcttctcaa	420
gccaagtcca	gctttcccaa	agtgtctgac	aagattgtgg	cttactggct	gctggggagt	480
gcggccagcg	tattcggtat	tgttgtcttt	ggtggactca	caaggttaac	agaatcaggg	540
tacgttctgc	cttatgcata	ccaatttgag	cgacacttgc	tgaccttata	tgaatag	597

<210> 16417

<211> 1128

<212> DNA

<213> *A.fumigatus*

<400> 16417

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atgaatgcag	aagactggga	gtctgagttt	gcaaagtacc	gtgcctcccc	cgaatatcag	120
cagttgaacc	cgaatatgaa	tctctccgag	ttcaagtcaa	tctactatat	ggaatggatt	180
caccggctct	ggggtcgttt	tgttggcctg	tcatttgtgc	ttccggctat	ctatttcgtc	240
gcaaagaaga	aggtcagcaa	gcccattgtg	ctacgcttag	caggcatcgc	gggtcttata	300
ggcttccaag	gcttcacggt	ttgggtggatg	gttaagtccg	gactcaagga	agaccttttt	360
gcgcaaggca	gccaccccg	cgtgagtcag	tatcggttga	ctgctcatct	tggggctgcg	420
ttcatctgct	acacggccat	gctctggaac	ggtcttgcta	tctgcggtc	tcacggtc	480
ctggctgacc	cagaagctgg	aataaagctc	ctggactcgc	tgcgtgacct	caaactgaag	540
atcttccgcc	gatctgttgc	cggtctggcc	ctgctggtct	ttgcccctgc	catgtccggt	600
gccctagttg	ccggcctgga	tgtctggtctg	atctacaatg	agttcccgtt	catgggcaat	660
ggtctggctc	ctcccaaata	cagattgctt	gatgagcgtt	attcacggca	cgaagaccgg	720
tctgacctct	ggtggcgcaa	catgctggag	aacctttctc	ttgtgcaact	ggaccatcgt	780
atcatggcta	tgaccacggt	taccagtatt	atggctctat	gggcttattc	tcgccgctct	840
ccaacctatga	agcggttgct	tccacctgcc	gccaggaagg	gccttcacgg	tgtggttgca	900
tttgctctggg	tccaagtcgg	tctaggcatt	tccacctctc	tctaccttgt	ccctactcct	960
cttgctctctg	ctcatcaagc	aggcagtcct	ttccttttga	cctgggtgct	ggctctgggc	1020
agccgtatct	ggcaccgctc	taggacggct	aagttgcttc	agatggccgc	aaaggctcgt	1080
ggccaagcgg	tacgcaatgc	tactgcacaa	gccgcccaca	agctatga		1128

<210> 16418

<211> 213

<212> DNA

<213> *A.fumigatus*

<400> 16418

aaggtaaaac	tgtttcaggg	aatctgggat	atgtccaagg	actactccta	ccgtggcgaa	60
atgcagtttg	tcatcattta	ctatctggca	tctcgccatg	gggaggagca	aggcactgta	120
tccagtgttt	tagcgtactt	ccttgctctg	tacagtagga	tgagaggcga	catggacaaa	180
aagagcaaaa	tctatagtac	gatgcgtgca	tag			213

<210> 16419

<211> 183

<212> DNA

<213> *A.fumigatus*

<400> 16419

gtttggcatc	tatgtctaga	ttctatagta	gttaattcga	gcacattcaa	tgatgttgat	60
gccccaaattc	ttcattctgc	cacgagaccc	tttgagtcca	tgtatgatat	cattgtatat	120
gctatggagc	ttgtgaagtt	ctgctacttc	cagtatgttg	ctgggcgtcg	taaccaggat	180
tga						183

<210> 16420

<211> 813

<212> DNA

<213> A.fumigatus

<400> 16420

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catgaactgt	ggtttggctc	ctctcaattc	caccgcacct	catatcaaca	ccttcagttg	120
cccggggacg	cgccaccgca	cggccaccca	cgtcgcaatg	gacacaatgc	cttgaatgga	180
cgagcagcaa	ctactcccgg	caacagccta	tcgtcattgc	agctcgagga	gcgcgctctc	240
cacgcacgca	agaacaacat	cgcttcgttc	ggatactcgt	ggatcaagcc	ggccggatgc	300
tccaagacca	tgctgggtat	gaaggaggag	gaggccgagc	gggaggaggc	cctcgcggcg	360
gcggcggctg	agatggctgc	ggcggcggcg	gctgcggccg	atcccgggtt	ggatgagttt	420
gggaatccga	tgcataacca	gacggatgat	acgggtatgg	agagggattt	ggatgacgat	480
attcccgatg	ccgatgcgga	cggactcgtg	gaggaaggag	aggaaggact	ggaagaggac	540
gaagacgtgg	atgaggaggg	atacatggag	cgggatctag	acgatgacat	tcccgaagcg	600
ttcgtctgat	atgacgacga	acgtgatgat	gaagatggcg	aggaaaatgt	ggaagatact	660
gtggacttcg	acaaccaagc	cgacctggac	gatgagatcc	ccagcgcagc	agatgattac	720
gagggcgaag	atatgagcga	cgtagtcgag	aacggcgcag	aagatgcatt	cgggatggtc	780
tcaccacggg	ctggaaggat	ccgcgcgatg	gtt			813

<210> 16421

<211> 528

<212> DNA

<213> A.fumigatus

<400> 16421

cgcattgcgcg	gatacttcca	gcccgtgggtg	agaccatccc	gaatgcattc	tcgtcgccgt	60
tctcgactac	gtcgtcctca	tcttcgccct	cgtaatcatc	tgctgcgctg	gggatctcat	120
cgtccaggtc	ggcttggttg	tcgaagtcca	cagtatcttc	cacattttcc	tcgccattct	180
catcatcacg	ttcgtcgtca	tcatacagca	acgcttcggg	aatgtcatcg	tctagatccc	240
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tatcatccgt	ctggctcatg	atcggattcc	caaactcatc	caaccgggga	tcggccgcag	420
ccgcgcgcgc	cgcagccatc	tcagccgcgc	ccgcgcgcag	ggcctcctcc	cgctcggcct	480
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<210> 16422

<211> 603

<212> DNA

<213> A.fumigatus

<400> 16422

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tcattccaaac	cgggatcggc	cgcagccgcc	ggcgccgcag	ccattctcagc	cgcgcgcgcc	360
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<210> 16423
 <211> 402
 <212> DNA
 <213> A.fumigatus

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cgaggttaag	gataaggcca
gaggtctcctc	ggtaagaagg
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<210> 16424
 <211> 663
 <212> DNA
 <213> A.fumigatus

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gaggetgccc	ctcagctccc
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gatgccaaag	ccaagggcaa
aagctcgaca	acaaggaagc
gagacttccg	ccgaggctgc
accgaggagg	ccaagcctgc
tga	
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tctaagtcc	aagcgtacct
ccacgagaag	tctgagaagg
tgctccccag	ctcgagaacc
cgtgaccgcc	gcctctgcca
cgctgccgag	actcctgccc
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<210> 16425
 <211> 405
 <212> DNA
 <213> A.fumigatus

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cgccaggatg	agatggagcg
cagcgtgaac	agtactggaa
ggcccttgcc	cagaacaggg
ggtgctgca	atcgctctgt
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tccggtgtta	agcactccac
cctatcaagg	ttgaccccaa
gctcgtaaat	ctcgtgctcg
gagctcgaga	agtctctgga
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<210> 16426
 <211> 1491
 <212> DNA
 <213> A.fumigatus

<400> 16426

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aatctgaatt	cgaattccaa	caacgacaac	aacagttccc	cgcaggagga	cttcgtgctc	420
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<210> 16427

<211> 396

<212> DNA

<213> A.fumigatus

<400> 16427

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aaggaggaga	ctgaggagaa	gaaggaagag	aagaccgagg	acgccaagcc	cgtcgaagcc	300
gccgctgaac	ctgtcgccgc	gacctccgct	actgctgaag	ctactgaggg	tgagtttcat	360
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<210> 16428

<211> 879

<212> DNA

<213> A.fumigatus

<400> 16428

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<210> 16429

<211> 504

<212> DNA

<213> A.fumigatus

<400> 16429

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cggcggtcac	gttctcaggc	tcgatgggct	tcacggcagc	ctcctcgacg	gggttctcga	420
gttggggagc	agtgcctggg	acagcgggaag	tctcagcatg	agccgcagcc	tccttctcag	480
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<210> 16430

<211> 363

<212> DNA

<213> A.fumigatus

<400> 16430

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ctgggtcattt	tcattctctc	gtgggctgcc	atttggttga	ggcggaggct	caccatgga	300
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<210> 16431

<211> 249

<212> DNA

<213> A.fumigatus

<400> 16431

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ctttactcgc	ggttcgtctt	tgtcgttgcc	gtctgctgtt	ctgttactca	tgggtgccttc	180
actccggttg	acgtgtatgc	tgtccattta	ggttcagctc	caaaattcaa	taagtgcattg	240
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<210> 16432

<211> 453

<212> DNA

<213> A.fumigatus

<400> 16432

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ggcccgacgt	ttgctgggtta	ctttatgcag	ggcgccctta	aatttggtgg	ttatgagttt	180
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gtttattctg	tctcggtctg	ttgtgctgag	ttctttgcct	cgatcgctct	ctgcccctctg	300
gaggtacac	gtatccgtct	tgtctctgag	cccggttttg	ccaatggcct	atttagcggt	360
ttcggcaaga	tcctcaagca	cgagggcggt	ggtgctttct	accgtgggtt	tggtoctatt	420
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<210> 16433

<211> 444

<212> DNA

<213> A.fumigatus

<400> 16433

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<210> 16434

<211> 336

<212> DNA

<213> A.fumigatus

<400> 16434

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aaccgggtgc	taagagtggg	ggatgagatg	ttggatcagg	ggccaaatcg	agggcttgat	300
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<210> 16435

<211> 615

<212> DNA

<213> A.fumigatus

<400> 16435

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<210> 16436

<211> 189
 <212> DNA
 <213> A.fumigatus

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<210> 16437
 <211> 1959
 <212> DNA
 <213> A.fumigatus

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<210> 16438
 <211> 267
 <212> DNA
 <213> A.fumigatus

<400> 16438

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cgcccgatcc	cagtgcctt	cccggtggct	cccaccagca	cgcagggcta	tgccaccgag	180
cagctgggaa	gtgatccctt	gacggtgtgg	gtgcagctgt	cgggatcgcc	tgtgaccttt	240
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<210> 16439

<211> 270

<212> DNA

<213> A.fumigatus

<400> 16439

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ccgtgcagga	gtggatcgac	acctccgccg	gcgccggcag	cttcgacgac	ctgctggccg	180
tggagaaggc	cgacaccatg	cgccatctcc	tccgctcgcg	gcatgacggg	tacatgttcc	240
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<210> 16440

<211> 1944

<212> DNA

<213> A.fumigatus

<400> 16440

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1944

<210> 16441

<211> 345

<212> DNA

<213> A.fumigatus

<400> 16441

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gaaggattga	cgagtaagca	gatcagagag	ctgcggggaga	agaatggcca	ggggccgtgg	240
gatatctgga	gggacggatg	tccaggcgga	gagtatggta	cccactctgt	ttcaagctgc	300
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<210> 16442

<211> 384

<212> DNA

<213> A.fumigatus

<400> 16442

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<210> 16443

<211> 192

<212> DNA

<213> A.fumigatus

<400> 16443

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tgggcgccgt	gggtatccta	tgcccgggaat	gtcaaggcca	ccaagcggac	aaccgcgttc	180
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<210> 16444

<211> 1401

<212> DNA

<213> A.fumigatus

<400> 16444

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cacatcaaca	caaacaatct	gaacagaccc	tcaaccaatg	atacgcctcc	cccatactc	180
gctcagccac	ctcccagaat	gtcttcggca	cctcccccaa	gaaacagtcc	tatgcggccc	240
ccgcctgggtg	gcagggtccgg	ctcgggtatg	atgatacctc	ctgggcgcgg	tgggtatcct	300
atgcccggaa	tgtcaaggcc	accaagcgga	caaccgttc	caccttcggc	taggatacct	360
cgcgaacctt	ctcttgaggg	actggaggag	ttcagccatc	tggtcgtata	tgacgagttt	420
gcggaaggag	gcatgccccg	ccagaatggg	agtaacggca	tgacagacat	gccgcccggg	480
cctccgcctg	cagctgcaga	tctggccctg	agagaacggg	aattggccct	ccgacagcga	540
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catagaagtc tgactggaag tgcgagcgcc agcgcggaga gtggtgatag cggagccagt 1320
gcgaatctgg actccgaagc ttccgcccac agcagccaaa tcagcctagg cgctcagcag 1380
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<210> 16445

<211> 297

<212> DNA

<213> A.fumigatus

<400> 16445

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ccgtcactgt tgtacactac ctgtaccggc gcatcatctt tgcaagcagc ttctcatgtc 60
ttctacatca ttttaccatc tttctccacc cgtattttct tctacctgca ttccctcctt 120
tctgaatttc cttgcatctg ttctgatttt ttttataggg actttgcaaa aggttcagca 180
gcctttaaca ctgcgaagtt catggtctgg ttctggcgca tcaaaaagag caggggttct 240
gacttattcg gtcgatcgat cgacctaatc tggctgagtt cgcgcctcgc aaggtag 297

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<210> 16446

<211> 414

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (358), (389)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16446

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cagaagcctg aggagacgac caccgcccgc aacactgaag agtccaagcc tgcggaagaa 180
aagaccgtga ccgaggtcgc ggttgacact gtcaaggata ctgccaccaa gacatccgac 240
agcgttttct ccatgttcgg tgggtgtccc aagaaggaga gaaagaagaa ggctgaagat 300
gctaaggatg agccttctgg ttcttctaag gttcacaagg gtgaagaaga ggtgagtntg 360
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<210> 16447

<211> 264

<212> DNA

<213> A.fumigatus

<400> 16447

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gatgaggcgc cagagtcctc tgatgtccat ttcgagcccg ttattcgcct gacggagaag 60
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ttccgattcg acgctgaaag caaggaatgg aaggagcgtg gtaccggtga tgttagactt 180
ttgaagcaca aggagaacca taagaccggc ctagtgatgc gccgagacaa gactctcaag 240

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gtctgcgcta accactacgg ttag

264

<210> 16448

<211> 339

<212> DNA

<213> A.fumigatus

<400> 16448

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gaggccaga	ccctggccat	tcgtttcgct	aacagcgaga	gtaagtcctg	gatgatgata	180
agcttgggg	ttattcaatg	tttgctaata	agacattaca	gaggccattt	tttttcaagg	240
aagccttcga	gaaggccag	caggagaacg	agaagctcat	cggccagcag	taagaagttg	300
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<210> 16449

<211> 234

<212> DNA

<213> A.fumigatus

<400> 16449

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cacgtttctg	tctctccat	tcctccttat	tcgaggtatc	taaaagtaga	gctgacttgc	180
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<210> 16450

<211> 285

<212> DNA

<213> A.fumigatus

<400> 16450

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cttgtcaatg	aacacggcga	acaggtgccg	gcgaacgtct	tcgacaaagt	gacatacacg	180
ttgcatacca	gcttcgggga	ccgtgcggtt	cagagtacgt	cgcttccttt	acggccctgc	240
tatcaaattc	ttgtcacgcc	aagagggcaa	agggacgacc	aatga		285

<210> 16451

<211> 336

<212> DNA

<213> A.fumigatus

<400> 16451

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tcggaggaag	gatgggggtga	attcgacctg	cagattgggtc	tcactgccgc	cgataaggaa	120
cacttcctca	cgcacgacct	gaatttcgca	cagccgcgct	acgagtccaa	acatgtcatt	180
gtgagcacta	ccccttgtgt	tctcgcgcga	cttatttcac	cgagtggcac	atgtactcat	240
tccttttatc	tttgacagcg	ttcaagaacc	ccaagccagc	gctgttggct	ttactgocgc	300
agtcgggacc	agtacccggt	gacgagaacg	gagtga			336

<210> 16452

<211> 375

<212> DNA

<213> A.fumigatus

<400> 16452

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aatctaacct	cctcccgcac	caggctcgaca	tggacaaatt	ggcagatggc	ctccaaagac	120
ttggagaaga	cgacctctc	caggctcgtgc	agatgggtaca	cgaccacaaa	gcgccagact	180
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gttatctttg	agaaacaatt	gctaatacgg	attcactggc	ttgcagaagg	cgaattccac	300
gtcgaccttt	atacccttcc	ggacaacctg	atcaagatgc	tgtgggattt	tacacaagag	360
aaggggggctt	tgtag					375

<210> 16453

<211> 723

<212> DNA

<213> A.fumigatus

<400> 16453

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ctccagatgg	tccggggccg	tttgatatgg	gtgccacgcc	attttcggcg	cgcctttcgc	600
agccgacttt	atcggcgctg	gtggaccttc	agccccaccg	ttatcgccct	gcatttgcaa	660
attctttcca	cttcattttc	cgaagagact	cccacaaaat	tttttagagg	ctcggttaag	720
taa						723

<210> 16454

<211> 720

<212> DNA

<213> A.fumigatus

<400> 16454

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ctccctgtaa	gtctctctca	ccttccagac	aaacaattta	tcccggtgcta	cttcagcgaa	660
gaatatgtgc	attcaaatat	accattcgac	agtgaggatt	caatggtgag	cgagccctga	720

<210> 16455

<211> 234

<212> DNA

<213> A.fumigatus

<400> 16455

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attcaaaacg aacacgacaa gcagggttat tttatggccc cattgatcat cgctgagtta 180
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<210> 16456
<211> 435
<212> DNA
<213> A.fumigatus

<400> 16456
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gagggttggc caacggttgt ccatgggtggc gttctcgtca ctgtgcttga cgagaatctg 180
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aactaccgcg ctccgggtata ttcaggcaac ttctacacat ttcactcgca ggtagacca 300
gaaagaagca ctgagcgcaa ggcgttcgtg actggtgaaa tccgcgaccc ggtcgggcga 360
gtgtgcgcgc aagcctctgc gatttttctg gtcccaaagg gattcaagtt gcgggagatt 420
ggagaacgat tctaa 435

<210> 16457
<211> 255
<212> DNA
<213> A.fumigatus

<400> 16457
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gccatcatcg gcgcgtctct catctgcctt gggatgatcg ttaccagcac agctcacaca 180
atgaacatat ttatcggtat gtccaagtgt actacctacc tggccaaggg tacacacgct 240
aacaagaag attag 255

<210> 16458
<211> 621
<212> DNA
<213> A.fumigatus

<400> 16458
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ggtatttcta ttctcggcgc ttgtttcctg ggcagcatca gtcaatacat ggatgacct 600
ggtgcagtgg tcatgcatta a 621

<210> 16459
<211> 1137
<212> DNA
<213> A.fumigatus

<400> 16459
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aaagacagga atgggtcatgg ctatgctcaa caagacgctg aagaggcttg gtcgcaaatt 120

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gtcactcaac tgcgaagcaa actggtgatac aaagagggcg aaggagattc cgctaccgag 180
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<210> 16460

<211> 252

<212> DNA

<213> A.fumigatus

<400> 16460

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tcagtcaaag tcaatatgga gcttggttcg cctcctatcg cccgcgccat gcctacaggt 180
ccaatcccc gctctctcca cagctcagat gagcccagct ggcccagaga acccctcgcc 240
ggcaattact ga 252

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<210> 16461

<211> 462

<212> DNA

<213> A.fumigatus

<400> 16461

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<210> 16462

<211> 618

<212> DNA

<213> A.fumigatus

<400> 16462

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<210> 16463

<211> 183

<212> DNA

<213> A.fumigatus

<400> 16463

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<210> 16464

<211> 687

<212> DNA

<213> A.fumigatus

<400> 16464

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<210> 16465

<211> 561

<212> DNA

<213> A.fumigatus

<400> 16465

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<210> 16466

<211> 948

<212> DNA

<213> A.fumigatus

<400> 16466

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<210> 16467

<211> 504

<212> DNA

<213> A.fumigatus

<400> 16467

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<210> 16468

<211> 384

<212> DNA

<213> A.fumigatus

<400> 16468

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<210> 16469

<211> 510

<212> DNA

<213> A.fumigatus

<400> 16469

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ggaaacccct	ccttcgcagt	gcacggcacc	ttcttggacg	aggcaccctc	ggagtatgat	420
gccgccgcag	tcgagtattt	ccagcaattg	gcctcgtcca	tccgtggaag	caatggactt	480
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<210> 16470

<211> 525

<212> DNA

<213> A.fumigatus

<400> 16470

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<210> 16471

<211> 306

<212> DNA

<213> A.fumigatus

<400> 16471

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aatctcaaca	cctaccaggc	tttcgattca	gtctggacca	aggtgggtctc	tctcctgtct	300
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<210> 16472

<211> 288

<212> DNA

<213> A.fumigatus

<400> 16472

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<210> 16473

<211> 213

<212> DNA

<213> A.fumigatus

<400> 16473

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tactgccaag	cagtgcacatt	cttttccggg	ttctctgact	cttctctttg	tttcttgagc	180
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<210> 16474

<211> 2106

<212> DNA

<213> A.fumigatus

<400> 16474

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<210> 16475

<211> 570

<212> DNA

<213> A.fumigatus

<400> 16475

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<210> 16476

<211> 579

<212> DNA

<213> A.fumigatus

<400> 16476

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<210> 16477

<211> 519

<212> DNA

<213> A.fumigatus

<400> 16477

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<210> 16478

<211> 510

<212> DNA

<213> A.fumigatus

<400> 16478

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acatgcttag ttttccctgc cagttcatga 510

<210> 16479
<211> 321
<212> DNA
<213> A.fumigatus

<400> 16479
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<210> 16480
<211> 240
<212> DNA
<213> A.fumigatus

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<210> 16481
<211> 1980
<212> DNA
<213> A.fumigatus

<400> 16481
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aaaggacaaa cgtccatcac gcatttgatg aacttttccc tacctccacg tccgcaatac 180
cagccgccac cagcgaatag ccgtcgatat gcttcgtggg ggttaggctc ggggttatcat 240
gctatggata aagctcgcta tgtgcacgca aattaccgct ttattgtgaa tcccactcga 300
agttatcatg cgcaggcggc gaatgccgat gttcatctgg attgggattc ggtcttacag 360
gtcttggtct cggcacaaac ccaatccaca agctgtccta tctgtttatc tacgcccgtc 420
gctcctcgga tggctcgggtg tgggtcacata ttctgcctac cgtgtctgat tcgctatatg 480
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ctttgtttggg attcaattta tatttcagag actcgacctg tacgatgggt tcgtgggcag 600
gaaggagata tccctgtcga aggcggtgat gtggtactgc gactgggtgaa gcgagatcca 660
ggcagcacc cttgctctacc tcgcgatggc gcagagagtc tcaaccctgg cgaggatggt 720
ccgtggtacc acgcagcggg ggtagctgac tacgccgaa tcatgaaagg tggcgaagat 780
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gcaaaaacga aaataaaagg gattggaaat ccgcccattg ttcagcgaca acctgctacg 960
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tacttctatc aggtctcttc tcaattctac ctgtctcctc tggatattcg catactgaag 1320

gctgcttttg	gagattacgc	tacatttcca	gcgacgattc	ttcctcgcgt	ggagcgtatc	1380
tcaagtggac	atatcgtcga	cgatgagctc	cgaaaacgtg	tcaagtatct	aggccatctt	1440
ccacaaggat	gtgaggtaaa	ctttctcgaa	tgcgattgga	gagatgtggt	cgtcccagaa	1500
atattggagc	gcttcagcgc	tgagaccgga	agaagaagaa	agcgtaacaa	ggaaaaagag	1560
gcacgcgaag	agaaagaacg	gctccgcgcg	gagaagggaag	aggaggaaaa	acgctgggct	1620
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tcgtccgcac	caccacctcg	gccgtcctcg	cagtttggcg	ccctagcttc	accgtcgact	1800
actcctcccg	gagttcgtac	tgtttgggga	actaccgtcg	caccattcat	cgcagagtcg	1860
tcagaagttt	ccccaaaggc	cgctcgccac	gacggctggc	gcgaggactg	ggaagaagaa	1920
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<210> 16482

<211> 585

<212> DNA

<213> A.fumigatus

<400> 16482

tcgctcgctg	agttctgtttt	tctctcttta	cacaatacat	attggcgcgga	gtcatcagtg	60
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cgacgagtca	ctcgagcccg	cgctcggtga	gcacagagaa	ccagtgcaga	cgacgtgtcc	180
gattcagcga	ccgaaatccg	cgggagatcc	aagtctacta	cacggagacg	tcaagtgaag	240
accgaggaag	cgtcagaagg	cgaagagaag	ggacgcgcca	atggacacat	caatggaaac	300
accaatggac	acaccaatgg	acacaccaat	ggacacacca	atggttcgac	aaagaagcca	360
cgagtcattg	acggctgggt	tgagggcagt	gacctaaga	ttgactatag	cggagaattc	420
gagtttggag	ggctcctggg	agtgctgtcc	atgatgatcg	ggttccctct	gttgatgtac	480
tacatgtgga	ttggtgccgt	ctattatgat	ggcaaatctc	cccgtccctt	cggaaggcca	540
gagcatgtcg	gaattttctc	cgcacatggg	ccatttagtc	tgtga		585

<210> 16483

<211> 480

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (308)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16483

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ccttcgctca	gagcttggat	catttactgg	gtattcttca	tcttcgaagg	cctatgctac	180
gttctttctc	ctgggtgtgac	tgatcatggc	ccgtgctctg	ccccctctcc	gggggaaaca	240
actgccctac	tactgttccg	gtgtctggtc	tttctacccc	aacattgctc	ttgctggggg	300
tctcctntt	taccgggatt	ttccggcgg	acaccatcct	ccaatgaatt	ccgggcccc	360
tctgaacgtt	ggcatcctct	ctgggcttcc	cgggtgggtc	ctccgtccca	tactcctccg	420
cgtttggctc	cttgggtgcc	ccaccttccc	ctgaacgggg	ttaccaatcc	taagaattcc	480

<210> 16484

<211> 219

<212> DNA

<213> A.fumigatus

<400> 16484

ccccaacggg	gcttcattcc	tggactcatc	gtcatcggag	tgaacaccgg	ccaagcaagt	60
------------	------------	------------	------------	------------	------------	----

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aatccggggg tgtttgcccg acatggcacc cataactgtg gctctactgc taaaaaagaa 120
cataatcaca cgactcattc gtcaactgtc agaaaggata ataagtacag tggatatgatg 180
tatcaaacag ttataacctg catgggttac tgtaataaa 219

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<210> 16485
 <211> 339
 <212> DNA
 <213> A.fumigatus

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<400> 16485
ttgaaatctc tgaataattag tatggagaat ttcatactg gttaccagg tcatgagtcg 60
caacatcgtg ctgctatgcg gagagtctta gggccagaga agtacgaatt ctttttcgac 120
agatggctcg agtatctctt cactgaggcg gacgccagt tctttgctgg gctgggactg 180
aattgcatac ggatcccgtt caattatcgc cactttgagg atgatatgaa cccacgggta 240
ctgaaggaaat ctggtttcaa acatttggat cgggtgatag aattggtaag agtcctccag 300
cgcgacgacc gcatgatgct gatgtgttat tccccatga 339

```

<210> 16486
 <211> 660
 <212> DNA
 <213> A.fumigatus

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<400> 16486
tgcgcaaaag agaagatata caccattctg gatatgcaca ccgctcctgg tggacagaac 60
ggggactggc attctgataa cccgaccagc tacgctgctt tctgggattt caaggatcat 120
caagaccgga cagtatggct gtgggagcag attgcagcac gatacaagga caatccatgg 180
gttgctggat ataaccctct gaatgagccg tgcgatccgg agcacgtccg tcttcgggct 240
ttctatgagc gcgttgagaa agccatccga gctattgacc cagatcatat cctgtggctg 300
gatggaaaca cgttcgccat ggagtggaaa ggcttcgata aggttcttcc gaactgcgtt 360
tatgctatgc atgactattc tgtaggccat ttcccatccg agcaaagagt acacatgcta 420
atttttcccc catcagtcaa tgggttttcc taccggagag cgatacaagg gaacccaga 480
gcaaaaggaa cacctagaac ggcagtacct tcgcaaagcc gaattcatga acaaaaacgg 540
gacagtaatc tggaacggcg agtttggccc cgtctacgcc aatccccgta cggaagcaga 600
ggcagaaacc atcaaccaag aacgttacag cttctgga gagcagcttc gtatctatga 660

```

<210> 16487
 <211> 1497
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1301)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 16487
gagaagttct ccaagatgtc tgaagcatcg agtgcttctt acccatcgtc cttggacggt 60
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gagattgtcc ccatactcca acttccactg gctagggaat tgttgggaca caaccctaca 180
gatgcgagtg ctatcagccg tgtctccaac ggcgagatat gctataccac ttttctggct 240
gagaaggcca aggctacggc tcagatgcca ctggatgggc ttactgctgg gcagcaacgg 300
tcacagatcg tccatattgg tctggcggct ctgtttagct ttatgcagtc caatattaca 360
ggtcctccgt tggattttta ttctgaggat gtgatattcc ctaaggctct ccaactcagat 420
gccaccaagc tccgggctgc tcgcaatcac atcattcgtg aactgtctgt agacggagaa 480
gctgcctaca agctgacacc aaatgttgag ctctttgccg ttgcgatggc tcttcttggt 540
gatgctgaca tcctcgtcgc tgacggacca ttggtggcga ggacagcaag actgcgtgtc 600

```

aatttccttc	atcagaagat	gctgtctgaa	gctactagca	cattgcagga	tgccatatat	660
agcgacttgg	aagagttgaa	cagaattcta	cttggtgaaa	agtctgtgtt	ctctaccgct	720
caagaaaaag	gacgcttcct	tgtggagagg	gcgacaatcc	acagccacca	tggctttgac	780
gccaaggctc	gggcagatct	tgagcaggct	gctgcagtca	ggaaatttga	atttgcattg	840
actggaagac	tggggaaaag	gacgaagttt	caagagcatg	atatcagcca	gctggtcgtc	900
ttggcggaaga	gtgctgaaga	actgacgacc	actggaaact	ctgctctccc	agaagacaag	960
ggggatactt	tccaagcggg	acctaagaac	ctagacctta	acgatgatac	acttctcgaa	1020
agcatatcct	tcaccaagga	cactcagaca	tcaaaagaca	agtcgacgac	agtccaggaa	1080
gaatccacac	ttccccagc	tttacagtct	cttgaccccg	gcaaccaacc	actgctggac	1140
cctgttgact	ctgccatttt	gctgggcttg	gcttccacaa	tcacgaacac	gtcgccggac	1200
aacggtctga	ctcgagaaga	gacccatcct	tacgctatcc	gtgtccttga	agggggcagc	1260
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gctcgaaactg	tagaaagatc	tgttctgcag	atgcaagcgc	ttgttgacca	agtcattgca	1380
gacacagcaa	ctcttgatac	tcaaaactacg	gaaaatggta	accaggctac	cacgttcctc	1440
ccaagaccgc	aaaaatccga	gtctgcttcg	gctgcggaaa	gactagagta	catctgg	1497

<210> 16488

<211> 1305

<212> DNA

<213> A.fumigatus

<400> 16488

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gagaacagcc	gaattctagc	gaccggtgac	ctttccggct	gtatcgatac	ctggctcctg	120
aaagatgtca	aggactcgtc	tgcagtagct	tccaacaagc	gcaacggcgc	tgcagattct	180
gacgatgaat	cttcggacga	cgaggatgaa	cgaccggtga	tagacggaga	gcgctggcag	240
tacgccaatg	ctgactcacc	cataccacga	ctcaaactctg	gcgtgctttt	gctctctttc	300
cgcccccaaa	gcccggcaga	agcaaagctt	ctcacaaacg	gtgctgatca	gtcttcccag	360
atatctctga	ggggcgagag	tcgattgatg	gctcttacga	gcgaacacca	gcttgtggaa	420
ttcgacactc	ttgaaggaaa	gctatcggac	tggatcaagga	ggaaccccaa	ggcttatctt	480
ccggagcaat	tcaaaggggt	caaggaccgc	gcaatggggg	gcttgtggga	cctttccgag	540
tcgcgtgacc	gcctgtggtt	gtacgggaca	tcttggttgt	ggatgtttga	cctgaatcag	600
gattttccct	cctcggaaga	gatgaaggaa	gccgcagatg	gccacgaagg	agactcttcg	660
acacagctcg	ttaagacatc	ttcggctcac	aagagaaaaac	gtgaacaaat	ggaggaagaa	720
gagaaaagag	gaaaagcgaa	cagtgggtgct	ggatgatcgga	tgctattggc	tcaatcggat	780
gttcacttag	gctccaaata	tcgcaagatc	gaaggacacg	atgactccaa	gggagagtgg	840
gtctctctag	acaaggaacg	cccacaagca	cgaggagatg	aagaggcctt	cgaatatgac	900
gaaaattctg	cagcagttca	tgacacagcc	ctggcgcgac	ttagaagagg	aaagcttgag	960
gaagacggaa	ttagcactcc	gcgaaagcga	gtctctcttg	gacctcgtga	taatcttctc	1020
tcgctcaatg	gatccaatga	tacaccatct	cggaaagccaa	atgaccatga	catgcctgac	1080
acgcctcaga	cacgattggt	gcagccgaat	ggaactcaac	cggcacgtcg	gtggtggtac	1140
acgtacaagt	accgtgatct	actcggcatt	gtgcctctga	gcccgcacac	ggctcaggat	1200
ggcgtcgaag	atgatactgc	gggcaatacc	ctggaggttg	ccattgtcga	gagacctatg	1260
tgggacgttg	agttaccagg	tcgctacgtc	agagattacg	catag		1305

<210> 16489

<211> 213

<212> DNA

<213> A.fumigatus

<400> 16489

acatcatact	ctgcacatcc	tttcatctgg	agctttgtat	atctttttctc	atcttccctgc	60
cctttccaac	ctttgtactc	acttggcgag	ctggataggt	ctattttataa	atggataaaa	120
gtttattctt	ggaatgaacc	tttgccctct	gcctatacca	gtgtctatga	ggctgcaggc	180
agtgcacatta	gctcttttag	cattagacac	tga			213

<210> 16490
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 16490
 ataatatattat catatcaatc aatcaatctt tcaatcttta tcgatcagtc actagacggt 60
 gatattatcc acaactcccc cgactccgaa acctcccaat ccctcccccc cccctctctt 120
 cttctcatgg tcaagtctcg gttacagaat cttttgtcgt ctccctcgcg actcacaaga 180
 tggcaaaaga cgtatttgct gttccaagta tgggtttttt ga 222

<210> 16491
 <211> 486
 <212> DNA
 <213> A.fumigatus

<400> 16491
 gtgtggtggg ggggtgccat tgggttggtc atcagtgttt gcatcggagc tggcatgac 60
 ggagcgttct atggatatgg taaggatcac ttcgctagca cggaggacct gtgggagggc 120
 atcttctccc tgatcgccag tgtcatcatc accattatgg gtgctgccct gcttcgtgtc 180
 accaagttgc aggagaagtg gcgcgtcaag ctagctcaag ccctggaagc aaagccgttg 240
 actggcggca cattcaaaaa caacctcaaa ctttgggcgg agaaatacgc catgtttctc 300
 ctccccctca tcaccgttct ccgagaaggc ctggaagcag tgggtgttcat tggaggcgtc 360
 agtctcagtt ttcttgcaac tgccttccct ctacctgttt ttactggcat tctcgcagga 420
 gtggccattg ggtacctact gtatcgggat gttgaaacct ctgaatcagc tgtctttctc 480
 aaatag 486

<210> 16492
 <211> 537
 <212> DNA
 <213> A.fumigatus

<400> 16492
 accaccatgc tgatggtctg cagaggagga aaccaagcct ccctccagat cttcctgac 60
 atctccactt gcatectcta cctggttgct gccggcctct tctcccgagg cgtctggtat 120
 ctggagaaca atacttgaa ccacgtaatt ggtggtgatg ctgccgagac aggtgccggg 180
 ccgggatcgt atgacatccg acagagcgtc tggcatgtca actgctgtag tctctcgtt 240
 aatggtggcg ggggatgggg tatcttcaac gccatecttg gctggacaaa ctgggcaacc 300
 tatggctccg ttctttcata caacctttac tggattgcgg tgatcgtctg gtttgtggct 360
 atgcgtcaca aggaacgcca tggacgattg cctgtggtcg accctctgct gaatcggtg 420
 cgaggccgaa agtctgccga acctgggaat ggagagcaag atgtcgaggt cagcacgata 480
 ccatctgatt tgcagacgga gtccaaaata ccgaaaagcg gagcatccct tgtctga 537

<210> 16493
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 16493
 gtgctattca ggatcttggg gacacgcagc ctgcagtctg cactctatgt ctccccctc 60
 tacattccga tctattttgt ctccgcgttg acgcgcctgc aagagatcgg ttactgctct 120
 tcttttatta ctcttcagtt ctttctttta ccttgcaatt tgacacctct ctatgcaata 180
 tgtccatag 189

<210> 16494
 <211> 258

<212> DNA

<213> A.fumigatus

<400> 16494

ctggcggcac attcaaaaac aacctcaaac tttgggcgga gaaatacgcc atgtttctcc	60
tccccctcat caccgttctc cgagaaggcc tggaagcagt ggtgttcatt ggaggcgta	120
gtctcagttt tcttgcact gccttcctc tacctgtttt tactggcatt ctgcaggag	180
tggccattgg gtacctactg tatcggtatg ttgaaacccc tgaatcagct gtctttctca	240
aatagaccac catgctga	258

<210> 16495

<211> 306

<212> DNA

<213> A.fumigatus

<400> 16495

ctaacctttc ttcacctgcc gtcagtcttt tttatctgtt tccgagaatg tgtcgagacc	60
agcatcattg tctctgtgtt actctcattt atcaagcaga ccttgggaca agagcaagat	120
gctaccactc gtaagaggct gatcagacag gtaggcccgt tttattcgtt ggccctctca	180
ttctccgaac tccaggctga ttccggtggat tctgttcttc taggtgtggt ggggggttgc	240
cattgggttg ttcacacagtg tttgcatcgg agctggcatg atcggagcgt tctatggata	300
tggtaa	306

<210> 16496

<211> 606

<212> DNA

<213> A.fumigatus

<400> 16496

tttctttcct cttctcaatt tctaactaca ttcttagtat tgaaaatgcc tccgcacgaa	60
agattgggtc atctgaaaga gtacgacatc caagacagca atgtggaact gatcggttca	120
gacattgacc accgcgtcaa atacaagtca gccgcattcc aaccagcctg gaacaacgaa	180
ctggtaggcc gagaatgcgg ctcttcatct ggccgattga gaacttcgag gtcacccct	240
ggcccaagga acgaacgggt gagttttacg accggcagag ctatatcgtc atgcactcct	300
acaaggccga ggagaagctg tgccacgata tcttcttctg gctggggagc aagaccagc	360
aggacgaggc gggcacggcc gcgtacaaga ccgtcgagct cgatgagttc ctgcgcggaa	420
ctgcgacaca gcacgcgag gtgcaggcgc acccctcgcc ggagttcgtg gcgcttttcc	480
gccggctctg tgttcggtct gggggcgtgc gatcgggcct caaccacgtc gagacagagg	540
agacgtcgtc cacggaggcc atcacctgc ttccgatatc catgcaccct ggtgctgcgc	600
gagtag	606

<210> 16497

<211> 264

<212> DNA

<213> A.fumigatus

<400> 16497

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tcctctctgc ctactgccca ctttacaact attcaattga tccctttcgg ctctccccc	120
attctgggtc gcgctagcgt gattgaaacg accttcctct cgtccgcca ccatggcgc	180
tcttcgttcg acctcgcgcc tcgtcgcac cacacggcct ctgttcgcgc ctgcgctctt	240
tgctcgtctg tatgccactg ttga	264

<210> 16498

<211> 264

<212> DNA

<213> A.fumigatus

<400> 16498

cgaggtcaac	actttggctt	gcttgtgtat	gtttggccca	tttggaaagg	attcaggaca	60
tcgaccgtgg	ttgctaacac	cccgttaggc	cgtattccca	ccgacaccaa	gcaggagtcg	120
cgtatctacc	cgttgcctca	cacctatgtc	gtcaaggact	tgggtccgga	tctgacctac	180
ttctacaagc	aatacaagtc	catcaagcct	tacctgcagc	gtgacaccaa	gaccgaggat	240
gtgagtactt	ctcggattct	gtga				264

<210> 16499

<211> 324

<212> DNA

<213> A.fumigatus

<400> 16499

ggtcttgaga	accgccaaag	ccccgaggac	cgcaagaagc	tcgacggctc	ttacgaatgc	60
atcttgtgcg	cctgtctgtc	gacctcttgc	ccttcgtact	ggtggaacag	cgaggagtac	120
ctgggtcctg	ccatcctgct	tcagtcttac	cgttggctgg	ccgattctcg	tgacgagaag	180
accgcccagc	gtaagcacgc	tctcgataac	agcatgagcg	tctaccgttg	ccacaccatc	240
ctcaactgct	cgcggacttg	ccccaaaggg	ctgaaccccg	ctcgggctat	tgctgagatc	300
aagaagatgc	ttgctaccca	ttag				324

<210> 16500

<211> 516

<212> DNA

<213> A.fumigatus

<400> 16500

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gtcgcaccca	cacggcctct	gttcggctct	gocgtctttg	ctcgctcgta	tgccactgtt	120
gatcccgtta	ctggtgtcgg	tcgcactggc	agtgcggagg	ccaaggttac	ccccgagacc	180
aggacttcca	atgttcaaga	tcccagcccc	tcccaggctc	cgagaatcaa	gaagttccat	240
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gaccccacct	tgaccttccg	gagaagttgc	agagagggta	tctgcggtag	ctgcgccatg	420
aacattgacg	gagtcaacac	tttggcttgc	ttgtgtatgt	ttggcccatt	tggaacggat	480
tcaggacatc	gaccgtggtt	gctaacaccc	cgttag			516

<210> 16501

<211> 264

<212> DNA

<213> A.fumigatus

<400> 16501

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gctaacaaag	ggtcccttac	gtgtctgtac	tggattaaaa	actctcagcc	ccataaggat	120
ttgatttact	gcatgatgac	tgtccttgaa	gctgatctca	atgactatgg	gcatagtcat	180
agatatacat	catgcatcaa	cctttcatgt	cttgtctggt	atatgtacag	tgcagcacag	240
tcttattccc	ctttattaat	ttaa				264

<210> 16502

<211> 207

<212> DNA

<213> A.fumigatus

<400> 16502

tggagatctc	cactatcact	gcagatcacc	ctctccctcg	ctcactcctc	ggccctaacc	60
caaccaccgc	tccacatagt	ttctttcctc	ttctcaattt	ctaactacat	tcctagtatt	120
gaaaatgcct	ccgcacgaaa	gatttggtta	tctgaaagag	tacgacatcc	aagacagcaa	180
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<210> 16503

<211> 1116

<212> DNA

<213> A.fumigatus

<400> 16503

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gaacgaacgc	gtgagtttta	cgacggcgac	agctatatcg	tcctgcactc	ctacaaggcc	180
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gcgggcacgc	ccgcgtacaa	gaccgtcgag	ctcgatgagt	tcctgcgcgc	aactgcgaca	300
cagcatcgcg	aggtgcaggc	gcacccctcg	ccggagttcg	tggcgctttt	ccgccggctc	360
tgtgttcggc	ctggggggcg	gcgatcgggc	ttcaaccacg	tcgagacaga	ggagacgtcg	420
tcacggagg	ccatcacctc	gcttcggatc	ttcatgcacc	ctgggtgctgc	gcgagtagat	480
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ctggagaagg	cgctgtggct	caacgttgcc	caatcctatg	cccgcagat	ccaagaggct	1020
cggactaacc	tagctgctca	tctgactccg	atctcaaagt	tgggtgcaagg	tcatgaaagt	1080
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<210> 16504

<211> 201

<212> DNA

<213> A.fumigatus

<400> 16504

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acttcggatg	gagatgagta	cgagcgtacc	aagggtgattt	gcgctccatc	gagttggggc	180
cagaagctta	gcagaaagtg	a				201

<210> 16505

<211> 387

<212> DNA

<213> A.fumigatus

<400> 16505

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cgcttttacg	ctctcgtcga	cagtgatect	gatggcatgg	caatcatgtc	aacatataaa	180
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attcgctcga	gcctgagaga	cagaaagaag	gctgttgcca	tgctgtcgaa	caatcgtctt	360
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<210> 16506
 <211> 249
 <212> DNA
 <213> A.fumigatus

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 actgtacgca gcggtatggta cgtgggtgat atatcctctc ctacttcttt ttccaagatc 180
 aagaccatt tcacctcgga ggcattcaatt gcttcaatgt cttccgtttt cggtatcagg 240
 acgtcctag 249

<210> 16507
 <211> 564
 <212> DNA
 <213> A.fumigatus

<400> 16507
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 caacaggaac ttccagagct gccgaaagca aaaactccac tgcaatgtgc cgagaatggc 120
 cttagagtttt tctccaaatt gcaacttctc ccaggcaatt gggcctgtga gtatggaggc 180
 ccaatgttct tgcctccagg ccttattatc acgtactacg tgaccaacac tccgattccg 240
 cggagtatg cgactgagat taaaaggat ctctttgctc gtcagcaccg ggaggacggc 300
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 ttacataagt ttggcggtgc catatatggc cctcactggg cgaaattctg gctcagtgtc 480
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 ttacatctgc acattctctt gtaa 564

<210> 16508
 <211> 1461
 <212> DNA
 <213> A.fumigatus

<400> 16508
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 gatccgctca cgaaacaggt gcgtcaggag ctgtacactc agccttacga ctctatcagc 180
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 ctacacaaag cattggagtt ccttgaagac catcaacttc gggagaacgt cccagatcaa 660
 gaaaagtgtt accgccaaca ccgaaaaggc gcgtggccgt tcagtaacaa gacacaaggc 720
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aagctgctca	tgtcacggca	gcaaccaaac	ggggagtggg	tgcaagaatc	cattgagggc	1440
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<210> 16509

<211> 822

<212> DNA

<213> A. fumigatus

<400> 16509

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ttcgacatct	tgccggctac	cgctctcgag	ctattgtgtg	tcaatgtcga	atttctggcc	240
agacccagt	ttggcaaagt	ggtcgagcct	gttctggctg	cgggctccac	gccggccacc	300
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cactgctctc	caatcagtcg	tgaagagggg	gctcgggatg	gcattcagca	gctcatgttg	420
tccaagaggt	tcctctcgaa	gagagaacca	cctatcagcc	tacgggacta	cttgctgaga	480
ctccatcggt	attgcccgat	gtctacagct	gtgtaccttg	ctacaagtat	ctacatcaca	540
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ctggctggcc	ttcgagtggc	catgaaagcg	ctcgaagacc	tcagctatcc	ccacagccgt	660
gttgccaagg	ttgggggag	gagcgagcgg	gagctctcca	ggctggaaat	cagcttttgt	720
tttctgacgg	acttcgagct	acgggttgat	gctcagatgt	tggtcgacca	agcacaatct	780
cgtcgaagca	gcatggatct	ggttctctca	gagatggctt	ag		822

<210> 16510

<211> 1296

<212> DNA

<213> A. fumigatus

<400> 16510

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ttattctctc	tcccgactgg	tcaagctttt	ttgaaattag	aattgaacca	cgcgctttcc	180
gatgggtgtc	cgacggcact	catctttcga	gacctttccc	tggtcgtagc	caaggctctc	240
ccgtcaagtc	ccgcgcccaag	tttcggaggt	tttattagac	gcctgaatct	cggagaagca	300
gaagccctgt	caacagcgct	caagtactgg	acagatcgct	tgaccgggat	gggtgccgtgt	360
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<210> 16511

<211> 216
 <212> DNA
 <213> A.fumigatus

<400> 16511
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 acaagcgaaa cgaagaaaca catcatgtcc agtcagttac caggcttgca ggctcgtctct 180
 gctgatggca ctgaaatcga tcaacatcac ctttaa 216

<210> 16512
 <211> 597
 <212> DNA
 <213> A.fumigatus

<400> 16512
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 ctgtgcgccc actgtccagt tctagggcat accaatgaga cgagatccct gcaatttgct 180
 gcgtatacct tccatgcttc gattgaagag accttcggcg tacttgttca cgggtggctgt 240
 gtgtgcatac cttcagagga caccaagatg aacggtaggc tatcagctgg gccttcttca 300
 caccatcggt ggtccggctt atcgaccctg atctcgtacc gtctcttcaa acgattgtcc 360
 tgggaggtga agccgttggg aacgacatct tcaatacgtg gagtacaga gtggacctca 420
 tcaatggtta tggccccgca gaagcatcca tctgttgccg cgccgcccac ctatctctac 480
 ggcagacgca gtcaccatcc acaattggcc gtgcgggtgg atgtcggatc tgggtcgtcg 540
 acccccagaa tatcaaccgg ttattgcccc cagactgcgt tggagagctc cttatag 597

<210> 16513
 <211> 3684
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1165)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16513
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 tggagtcaca gagtggacct catcaatggt tatggccccg cagaagcatc catctgttgc 180
 gccgcccggc atctatctct acggcagacg cagtcaccat ccacaattgg ccgtgcgggtg 240
 ggatgtcgga tctgggtcgt cgacccccag aatatcaacc ggttattgcc ccagactgc 300
 gttggagagc tccttataga gggacacatc gtggc aaatg gctactgggg tgatgaagaa 360
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<210> 16514

<211> 189

<212> DNA

<213> A.fumigatus

<400> 16514

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tttctggtg	acgaggtcgt	taagacacag	tatggaggtt	gccacggcgc	aatgaaagcc	120
tgccgaggag	aagttagcct	gagttctttac	catatggtgt	cactcgacct	tctgaactca	180
caagcttga						189

<210> 16515
 <211> 882
 <212> DNA
 <213> A.fumigatus

<400> 16515
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 aactccgctc atagcatcgt cgttgagtcg gtaaaccctg atggcatgag tttagataag 180
 tcaggaacag agctatataa tgcagccgtt gccttctgca gatatgagag cgaacaacaa 240
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 ttgcccgaaga tgagggaacac tgcggagcga tatggaattg taccatctct tacgctcgtg 780
 accagctctg ttggattcga tgcataaggat ctctgggata aaatcaagga tgatccgggtg 840
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<210> 16516
 <211> 306
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (287)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16516
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 atcctcctgg gaaacaacat catggcagtc cggaacatcc ttcaagccag ttctacagc 240
 ttggcgcaaa tgtttgcggt ccgggggttat tctgggggtg gtaaatnttt ctggaacttc 300
 atataa 306

<210> 16517
 <211> 351
 <212> DNA
 <213> A.fumigatus

<400> 16517
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 caggatagcg cacaagaatt agctatcatc cccacagata cgacgcaaga aacgcatgag 180
 caccttgtac tctcgacccc atatgtcctg gccttttttg acatcatgcc attgacaagg 240
 ggccatgttc tcgtcgtcac gagagatcac cacgagaagc tgaaagacat ggacgtggaa 300
 gtcagcagag aggtcagtat atcttctaac ctttgcctcc gggttacatg a 351

<210> 16518
 <211> 1050
 <212> DNA

<213> *A.fumigatus*

<400> 16518

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cacattatat gcatagctga ccgaaaagag cagtcaccat attgcattgt caaattggca 180
aatgaggaag cggcacgagg actcattgct cgtagcatcc tagcgaagga tatcttcgag 240
ctctgggctc aaggcactaa ctatgaagaa gttcatagcg acgttcgcag gcggactcag 300
catcgctgga acaactacaa ggaggtctca ttccgtttca ccatcgagag ctttgccgga 360
aagcgaagta atgaagagaa acgagaaatt atccagtcgt tcgcctatct tgacttccag 420
ggtcccattc ggatgaaaaa cccagatgag gattttctggg tgctagagga gtatatccca 480
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acaaatacgc ctcttcgctc cagtcagttc ctatagtgca tcacttgtga tcctccttac 960
ggtgtccgtg aaggacttcg agtcttggga actcgcgacg ggcgtgggaa ggaagaggtc 1020
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<210> 16519

<211> 471

<212> DNA

<213> *A.fumigatus*

<400> 16519

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aacatcgaca acattgaggc caacgcaggt attctgccgg agaaaatcct gcaatgtcac 180
ggctcttttg cgacggctac atgctgcaag tgtcatcaca aagtgaagag cgaagagatt 240
tttgacgaca tcaaaaaagg cattgttccc gaatgcgtgg cttgcaaaga gagtctcgaa 300
gacgattctt tgaagccgca agggctcaaa cggaaacgga tgtccaacgg aacgcagaag 360
agcaggaaga aggacggtga ggacagttcg gaggaggaag attacgagat tccactcct 420
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<210> 16520

<211> 267

<212> DNA

<213> *A.fumigatus*

<400> 16520

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gtggctgaag ttccgggtgt tctcccacgc aatgtccctc agatctatat ttctcgact 180
gtacgttacg ctccaatccc ttgggcaatt ctggccttgg agctgacca tttcttagcc 240
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<210> 16521

<211> 252

<212> DNA

<213> *A.fumigatus*

<400> 16521

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ggacaacggg	ttaccgatgt	cacggtggtg	gagacgggat	taagcctggg	tgtcaagacg	180
tatatcgtcg	ttccccctac	tatctgtatg	ctcttcatcc	cggtgaaaca	gtaccaaggc	240
ggattgaact	ga					252

<210> 16522
 <211> 318
 <212> DNA
 <213> A.fumigatus

<400> 16522						
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ggagagcata	catggttaca	ggtcagccag	ggtattgctg	atgccctgca	caagcaggga	180
ctcttagaca	gtaacaaagt	cgagtcgac	agtatgaagg	acgcagcagc	cgaaatcact	240
aggggcaatg	agagtctcgt	ggaaatcact	cttgcaccca	agtatgtacg	agatctcctt	300
ggcacatacc	gatactaa					318

<210> 16523
 <211> 438
 <212> DNA
 <213> A.fumigatus

<400> 16523						
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tcctacctgc	tgctggcgtg	ctccgccatt	ggagctcttg	ctgcccccg	cgaacccgag	180
accacctcgt	tcaatgagac	tgctcttcat	gagttcgctg	agcgcgccgg	caccccaagc	240
tcaccgggct	ggaacaacgg	ctactactac	tccttctgga	ctgatggcgg	cggcgacgtg	300
acctacacca	atggcgccgg	tggtctcgta	tcctgcaact	ggaggaacgt	gggcaacttt	360
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gtgcagacct	gtggctga					438

<210> 16524
 <211> 567
 <212> DNA
 <213> A.fumigatus

<400> 16524						
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gcttcggaga	cgggattccc	ggaaatctca	ggcaaaccga	cctggacctc	tctagctcgc	180
gtcgtcttca	acatgcaagt	ggcccgggtg	gataaggtgg	cctgcgatgg	cggcatgcga	240
tggcagatct	ggccctacca	ggctggctac	actatgaaaa	atgccatttc	caatggcggc	300
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gcgaacaaga	tctgggactg	gtcggccagc	acgccgctgc	tgcagacaga	tcgatgggtac	420
attgctgatt	ccacctccaa	tgaagccaac	tgcaaggatg	ccggaaacac	tcagtgggtca	480
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agtacacttg	cgcgactgg	aagctga				567

<210> 16525
 <211> 591
 <212> DNA
 <213> A.fumigatus

<400> 16525

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gttgccctgtg	aaccaatcat	gacctgcgat	cgcaatcaaa	ttggttttta	aggatacacg	180
gccaatgtggc	tggetcatac	cgctatcctg	gtcccatcga	ccgcggcccc	gatcttcccc	240
gtcctgcagg	gatccgccct	cgccctctcg	aagcagtgtc	ccaaggcacc	cgacaatacc	300
tgccggcgcc	gctgggtggca	gcccacctgg	gacggcttca	ctcctggtct	ggaaaccag	360
atggcggcgc	tagcgggcat	cacagccaat	ctgatgtact	acaagtcgag	cgccccgaag	420
accattcagt	cgaaccggga	cggcaaggag	catcagattg	acacccatga	ggatgaggcg	480
ccagatgcac	tcgcccccat	caacacaggc	gatcgcgcag	gggcctggat	cctcactgtg	540
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<210> 16526

<211> 546

<212> DNA

<213> A.fumigatus

<400> 16526

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tgagacctg	tggtcgacac	aagtagaacc	atcaactacg	gaggcagctt	caaccccagc	180
ggcaatggct	acctggctgt	ctacggctgg	accaccaacc	ccttgattga	gtactacgtt	240
gttgagtcgt	atggtacata	caaccccggc	agcggcggta	ccttcagggg	cactgtcaac	300
accgacggtg	gcacttacaa	catctacacg	gccgttcgct	acaatgctcc	ctccatcgaa	360
ggcaccaaga	ccttcaccca	gtactggtct	gtgcgcacct	ccaagcgtac	cggcggcact	420
gtcaccatgg	ccaaccactt	caacgcctgg	agcagactgg	gcataaacct	gggaactcac	480
aactaccaga	ttgtcgccac	tgagggttac	cagagcagcg	gatctgcttc	catcactgtc	540
tactag						546

<210> 16527

<211> 399

<212> DNA

<213> A.fumigatus

<400> 16527

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gccatgttca	tgacctcat	ccagtactgg	cagtcttcgg	gcgacgacac	ttacaattct	180
attgtgtcac	atgacctgat	gtttcagtc	ggtgagaatt	atgacttctt	ctccggcaat	240
tacagccaat	ggctggtagg	tcgcaaccat	ctgtcgggtc	tgctctgct	aacctctccc	300
agggtaacga	tgatcagatg	ttctggggtc	tcgctcccat	cacggcttcg	gagacgggat	360
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<210> 16528

<211> 306

<212> DNA

<213> A.fumigatus

<400> 16528

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ctccgcgcac	agccggaccc	cgagtgcac	tcgaagcttc	atgcaaaaact	cctcgaggcc	180
tcagccgtct	actccaagga	caaggagacc	ctgtcctggt	tcgtgatgca	gtcgggtccat	240
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ctggag						306

<210> 16529

<211> 261
 <212> DNA
 <213> A.fumigatus

<400> 16529
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 gttgtcgctt cctcggtgac cctcgacttc ggccaaacgg atcgctctt ctattattat 180
 gtccatttcg cctttgggga tcgactgttc cgctggcact ggattggcaa aatggatacc 240
 agagcttaca ggaagctttg a 261

<210> 16530
 <211> 426
 <212> DNA
 <213> A.fumigatus

<400> 16530
 atgttggcag gaagggatga gcagtcgatt tcagcttttt acgcggaaac gttcttccat 60
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 gtcgacgaga tcctgctggt gtttcggcat accgaggaga taccctgggt gctgccgcgg 180
 gtaccgcccc cggaccgcga cgtgaagatt gtgcttgtga tgacggccag tttccgcgcg 240
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 ttgtttggatc cggcgctcgt gccagggagt ttccgcgcga cgggcaagac gagggagggg 360
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 gggtag 426

<210> 16531
 <211> 411
 <212> DNA
 <213> A.fumigatus

<400> 16531
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 tcgaccagct cgcgagtcgc tttaccgcga gactttaagc cccagcagggt gttcaagaat 180
 gtgaacctgg tccggaatac caatttggag aagggatacg ttcgagaaac cgtcaatgtc 240
 atcgttgaga atgtcgataa gcaaccgcag agcgactact acataccgtt tccatcggac 300
 gtctttggca aggtcggggg gttggaagtg agggacaaga agaccccagg gaagggcaga 360
 tttgccgttg aagctttgga agtcgaatca ccaaggatat tatgcaattg a 411

<210> 16532
 <211> 1311
 <212> DNA
 <213> A.fumigatus

<400> 16532
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 gcgatcgacc tgtcctgcga ttatacccca tttgctatcg agagtgacaa gatcacacc 180
 gttcctcaaa catcgaaccc cgcggtcatc gggcagagcc tgggcggagt aggccacac 240
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 gacttgagtg gcgcgcgtgc gctctcgact ctccaggaag aaggactccc caccgcgggc 360
 gtacagatcc tgcttcgctc gtccggagcg cgcacggcac aatatgtcgc catcaacgac 420
 gcaaagcgcg acctcgtagt ggctatggct gacatgggca tcatggagct gccggagcac 480
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cacggtgcgc	gggtggcctt	tgagccggtc	tcgacggcca	agtctcgccg	tcttttctcc	660
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agtctggccg	ctcccaacca	gtacgagctc	tcagccatgt	acacgacagc	ccgcgaatca	780
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tcggcgccctt	acatcccttc	gcgcgcctcg	cctacagatg	agctaatacg	gggggtgtat	1080
atgcgtcttt	tcccgtcagc	cggggctcctg	gcggtatcggg	agattgtgag	cgtcaacggg	1140
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<210> 16533

<211> 501

<212> DNA

<213> A.fumigatus

<400> 16533

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cctgcctccc	ctccctcgtc	ttgcccgtcg	cgcggaaact	ccctggcacg	agcgccggat	180
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cgtcgacgat	gcgggtccggc	ccgacgggtc	gcgagagcaa	gcggatgtgc	agtgatgggg	420
ggccgggtatg	gaagaacgtt	tccgcgtaaa	aagctgaaat	cgactgctca	tcccttcctg	480
ccaacattca	gcaaaaagata	a				501

<210> 16534

<211> 243

<212> DNA

<213> A.fumigatus

<400> 16534

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gcacaaagca	aattcttgaa	agtatcagag	gaaattcgtg	atgcgggtggc	cacaggaaag	180
ccagtagtag	cactggagtc	tacaatctat	accacgggta	tgtctgggtc	aatacagata	240
tga						243

<210> 16535

<211> 183

<212> DNA

<213> A.fumigatus

<400> 16535

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ggaacaatgg	tgcttgctca	cttggtctgg	attaaggtgt	tcgggacagg	tgggtctcggg	180
tag						183

<210> 16536

<211> 291

<212> DNA

<213> A.fumigatus

<400> 16536

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gtctgtgtcg	ggacatttgc	cgatggccgt	gaaggctcag	tggatttccc	tgcctttttc	180
tcgcgcgaca	gtggcatcaa	gagccccaga	gtaatccgag	atgaagcggg	agcagctgcg	240
atcatatgta	aggagccagg	gctctcttcc	tcagttggcc	tatcgacttg	a	291

<210> 16537

<211> 243

<212> DNA

<213> A.fumigatus

<400> 16537

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ggggttgcta	gggttggcct	cagtgtctgag	gagctcactg	agctagcatc	gaccgcggag	180
aaaaaggatg	ccttgaagg	ttcccgtaga	gatctcggtt	atatatgcgg	cctggtagca	240
tga						243

<210> 16538

<211> 393

<212> DNA

<213> A.fumigatus

<400> 16538

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gcgctggctg	aggccaacgt	gaagcgcgca	accaaggtgg	cagttgaact	ctccaaacta	360
gaacaggctg	atagggggac	tggaggccgg	tga			393

<210> 16539

<211> 600

<212> DNA

<213> A.fumigatus

<400> 16539

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agcgaagact	ggggctactg	gattaagggtg	atggacgatc	gtcttgaaat	ggccgatgac	180
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gaggcatttg	atgcattggt	tgcagcaaac	aacaaaaaga	atgagagcga	tgaaaatgac	540
aatgacgaag	aggaagacga	agacgaagac	gaggacgagg	acgaggacga	ggacgactag	600

<210> 16540

<211> 702

<212> DNA

<213> A.fumigatus

<400> 16540

gaaccaatga	tgggtggcac	ggggttatct	ctaacaaagg	cccttttctt	cccgtcgcag	60
gacgttacca	tctctacatt	ggtctgccgc	ccatttcaat	cacgaagttt	gactaatgag	120
gcgacaggtc	tcttctgccc	ctttgtcac	cggccaatc	tagtgcgta	tgtcagtgct	180
ttgaccgaca	tcattctctt	atccgtggtc	aggccatacc	ccaacatcaa	aggggagggg	240
ttacgattcc	ccaagaccaa	tgatgaatat	cccggagcaa	ccgtcgacca	tctctatggt	300
agtgaattcc	tgcgcgagat	ctacctcaga	gccgataagg	actacaaagg	accctactcc	360
gtccctgtac	tctgggacaa	ggagacggaa	acaatcgtga	gcaacgactc	tgccgagatg	420
ctccgtggc	tacccaatgc	cttcgacccc	attctgccgg	tagttcacia	acgggtgcat	480
ctgtaccccg	aagccctgcg	atcgcaaatt	gatgagatca	ccgcctggat	gcaacccgat	540
ctcaacgccc	ggcgtttaaa	aggccggaag	cgcggccact	ctagcagact	acgaacaatc	600
ggttcgcgcg	gtctttcgaa	cgctcaaccg	actccagcaa	ctcatccacg	acaatggggg	660
tccgtccatt	ctaggtttagc	atattcaccg	aagtcgattt	ga		702

<210> 16541

<211> 876

<212> DNA

<213> A.fumigatus

<400> 16541

atagcttttc	agaatgcoga	gtccaggggt	cagatatata	agtatctgcg	ctcttcttgt	60
gatcgccggt	attgtatcta	tcctgggaat	cagaatatat	caagaaacca	cggaggagac	120
tcgaccctgc	tcgttacaa	tgtgtcaga	aagatgggcc	gccccctctg	acttctgctg	180
agcatatcgg	ctttacttgc	cgtgtttctc	agtcccgcgc	cagctgcaaa	aaatgggtcc	240
acgctcttca	aaggaggaac	gatcatcgcg	ttcaatgaaa	agaagcagga	cctggacatc	300
attcgggggtg	gatcgctgct	gatctctgac	ggcatcgta	gtgcaattac	ggagggcgcc	360
tatgataagc	ctctgccacc	tggtacagag	atagtggatg	ccactgggga	catcctgact	420
ccgggcttca	tcgacacgca	ccgccacggc	tggcagacag	cataccggac	catcggctcc	480
aacaccacgc	ttgccgaata	cttcaatcgt	tacggggagt	ttgctgctga	cggatatttg	540
tctgccgatg	atgtctatgt	tagccagttg	actgggttgt	acgaggcgct	caatgcggga	600
gtcaccacaa	ctttggacca	cgcccacaa	acctggtcta	aggccaccac	tgatgctggt	660
gtccaagcct	ccatcgacag	tggtgcacgt	gtgttctggt	gctttggctt	ccataacgtg	720
tccaactttc	ctttcgagca	gcaattggca	aagttccaag	aacttgcaga	tagtcgtcgg	780
ttcagcggcc	aggcgagctc	ccttggtatt	gcttatgacg	ctttcaatcc	tggaagcgct	840
caacagacgg	aaagcatcat	tcagcttgcc	atgtaa			876

<210> 16542

<211> 513

<212> DNA

<213> A.fumigatus

<400> 16542

tctctgacaa	tgtgcgcagt	catcaactcg	cctgaggatc	ttcatgcatt	gggatttctt	60
aacagttctg	ttccaattgt	tttctcccat	gcgagcttct	taacgccgac	gggggcaaga	120
ctgcttaggg	agacaaacca	gtacatatcg	atcactgccg	aatcggagat	gcactacggc	180
catgaccacc	cctacaacca	catgatccag	gatcaggcct	ctctgggggt	cgatactcac	240
ttcacattct	ctacggacat	tctcaccag	gcacgcattt	ggttgcaagta	cgtgcgtctg	300
actctttacc	gatggcttgc	tcagaactat	gaggtggcga	caaagaaccc	gatgtctggt	360
gaccaggcct	tcttgctggc	cactcggagc	ggaggactgg	cccttcaccg	acccgactta	420
gtgtctcttc	ggttggtgcc	gctgctgatg	tggtcatctg	ggatggttcg	agtccgggaa	480
tgcttggttg	gcacgatcca	ggtgcccgcg	tga			513

<210> 16543

<211> 402

<212> DNA

<213> A.fumigatus

<400> 16543

ccaggccttc	ttgctggcca	ctcggagcgg	aggactggcc	cttcaccgac	cgcacttagt	60
gtcctctcgg	ttggtgcgcg	tgctgatgtg	gtcatctggg	atggttcgag	tccgggaatg	120
cttgggtggc	acgatccagt	tgcgcgggtg	atgctacatg	cgggtgtagg	cgacgtcaag	180
cacgtcatgg	ttgacgggaa	gatgaacaag	aaggacggca	aacttctcgt	ccccaagtac	240
caagacttgc	aacgcaaatt	cgtggacgtt	gctggagcga	tccagtcaac	ctggctgggt	300
atgccgccta	ctgttcttga	gggagatttc	gccatgtcgg	gttatccgct	cgcggttcct	360
cctctagccg	atgtcgttcg	aggagatgag	tctgggtact	ga		402

<210> 16544

<211> 303

<212> DNA

<213> A.fumigatus

<400> 16544

gtctactccc	ggtaacggc	taatatgcct	acactactag	tcgatcagac	agatcatttt	60
tggaggatca	tccagatgct	gcttgccggag	gcaacctttc	cgggtcacgc	caggttgctt	120
tctgatctct	actccttgca	caacgtcggg	cagcgtgaac	cgacgggtcc	cgacatcctg	180
gtaaaaggct	ctcaacgacg	gctgatcgtc	atttatgtgg	cgtacatcca	tatggaaagg	240
tacatatgcg	tactcggcca	tgtgtcgcca	atcaattgca	tttgacaag	ccatgtctac	300
tag						303

<210> 16545

<211> 207

<212> DNA

<213> A.fumigatus

<400> 16545

tggcatcacg	gactgaatga	gtcatgtgtc	cctctgcgat	gtgcttgctc	agtgcgcaaa	60
tacacaaagg	agagcaaaac	tgtcagcatg	gtcatcacgt	gtaaccaatg	gatctactgt	120
ttctatggaa	gtaagctaga	aaaggactgt	cttggagagc	atcattcacc	actcatgatc	180
gttcatgcac	ttataagtgg	attgtag				207

<210> 16546

<211> 492

<212> DNA

<213> A.fumigatus

<400> 16546

gtttgcgtgg	cggttttctt	gtctgttcag	gaggtggcta	ggatgacttc	caacaaaaaa	60
tcaaggcttc	ccccatatca	accggggcag	catgttggcc	cttcgggtgca	tttgaactgt	120
gtttctgtga	caaccacagt	ggtcaacttc	ttggatctct	ttcaactttc	ctcgggtactc	180
tttgcccttc	cgaatatcca	gcaggctctt	ggattcgcga	gtgaagatat	caattggggt	240
ttgattgtat	acaacatcac	ttttgcagcg	ttccttctga	ttgctggaca	actgggacag	300
agggttcgggc	tggaaaagat	attcattgcc	ggcacagcta	ctctcaccat	atccaacgtt	360
atcaacacga	cgcacacaaa	caaagggtgcc	ttgctggcgg	gtcgtgccat	ttccggagtc	420
ggtgctgggt	tgactgtaag	tgaattccag	cagggccgaa	cggatatgat	tctgatacct	480
catcggttctt	ga					492

<210> 16547

<211> 507

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (295)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16547

ctcttttatag	cttcagcagc	aggctggaga	tcaatcttct	ggctgtgtct	gattcctcaca	60
ggcctttcaa	caatactggc	ctgtttatatt	ctgccacggg	ttgcaaagag	aaaggacata	120
cctattgata	taccoggtac	cggtgtcttt	accgctggg	tagcattact	ggtctacggc	180
ctcaatgaca	gctcgcgcag	cggttgagca	tccgctgcag	tgctgacggg	gattatcctg	240
ggagtttgct	tcctttttgt	cttcctctgg	gtggaagcca	aggtttccaa	cccancatc	300
cccggttacc	tgtggaagtc	tggccctttt	ctcgtgatgc	tgggtgcca	tttcgccttt	360
ggaggagct	ttagtacgtg	gttcttcac	tccacccaac	tctgtgtcaa	tctccttggt	420
tactctacaa	tcctaaccgc	cggtgtattt	ctggtagtgc	tgccctccatt	ccattctctc	480
tctctcagat	ttggtgctcg	tgccctga				507

<210> 16548

<211> 207

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (88)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16548

cccgtgcct	ttgccgctat	cgcaagcgga	gtttttgcta	ccccctcat	acgactcgca	60
ggggagaaga	acatcctcgt	ggccgggnta	gccatcaccc	ccgctgggtg	tgctgcctgg	120
gcatttgctg	gaccccgat	cgggccggcg	gtacccacca	cggggagggg	tactgggtatt	180
ccatcgttgc	agccatcatc	tttgtga				207

<210> 16549

<211> 1725

<212> DNA

<213> *A.fumigatus*

<400> 16549

ctctacggtg	gtagcccggg	ggtggaggta	gccctcagcg	gatatgctat	gctggatcag	60
attggcacag	gtctgcgaca	gagaatctat	tcccgtcct	tcattttcgc	aaatccaaat	120
caaccagacg	atacctttat	ttacatcgtc	atcgacgcgg	tgacggggca	cacagccgtc	180
cgacatggag	tcctccaggc	gctcgcgagt	ttgggagggtg	attatgcgcg	ctatggcgag	240
cgcaatgttg	cgttgactgg	gacgcactcg	cattcaggac	ctggggcttg	gaacaactat	300
ctacttccac	aaatccctag	caaggggttc	gataagcaga	gctatcaggc	tatcggtgac	360
ggcgtgggtc	tctccatcaa	acgcgctcac	gaaagcttgg	ccctcggtcg	cttgagcttc	420
ggctccatcg	atgtcgagaa	tgcaaacatc	aaccgaagtc	cttattcata	cgacgccaat	480
ccggaggaag	agaaagcacg	ctactcggcc	aacgtagaca	aaacaatgac	cctcctacga	540
ttcgacaggg	agtcggacaa	cagaaccact	gccatcctga	ccttcttccc	ggtacacggc	600
acttctctct	ataacaacaa	cactctcact	accggtgaca	acaaagggtg	cgctgcttgg	660
ctctttgagc	ggagcgtcca	ggacgatgcg	aatttcgccg	acgactttgt	agccggattc	720
tctcaatcca	atgttggtga	tacaagccca	aatgtgctgg	gcgcatgggtg	tgaggatgga	780
tcggggcaga	tgtgccgcta	cagcgacagc	acctgtgggtg	gcaagaccga	ggactgtcat	840
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cgacttcagt	acgcgcggcg	caagcagtta	tatagccaga	tggatacgag	taatactcgg	960
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ttccagtcgc	cgttcaattc	tagtatgctg	acgacatgct	cggcggcact	gggcttctct	1080
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cctgcagagt	ccaatccgct	gtggtagctc	gctcgagcgt	ttgttcatca	gccttcagca	1200
aaacaaaagg	cttgccaggc	gcccaggat	attctcctgg	atgtgggagc	caacacgcag	1260
ccgtatgcgt	gggagccgaa	cattgtggac	atccaggtcc	tccgagtagg	tcagctgttc	1320
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tcaaacagct	acgctcatta	cgttacgaca	gagggaagagt	acagtaggca	acggtacgag	1500
ggtgcttcca	cccttttacgg	ccctcacact	ctcgcggcgt	acatcaatct	cacccttacc	1560
tacctccctt	atctaggcga	ttcgctaat	cccgccacgc	taccggagat	gcccacggga	1620
gtgcagccgc	ccatcaacac	cgacaaatca	ctgagcttca	tcccgggtgt	cgtgtacgac	1680
agtgtccca	gtcttcacca	cggggcgga	ggggcgcgca	atcat		1725

<210> 16550

<211> 225

<212> DNA

<213> A.fumigatus

<400> 16550

ccgtgcaaca	atgtagtga	tatagcggg	tatggctcgc	gaccgcggcg	agataaccag	60
ctcgatgact	ttaatatcgg	ttcgctgcgc	ttagacaaca	ccaacacaga	caagcgaggc	120
gcattggcag	cttctatata	acctcgtgtc	caagctgata	aatcggccta	ccatctaaga	180
atgagctgtg	tttggtcatt	ggtgtttttc	gataaccaag	aatga		225

<210> 16551

<211> 618

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (204)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16551

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gcgaggttat	cccccaacca	tgcctcaact	cttcaccccg	ccattcccgga	gctccccgaa	120
cggggattct	cccccttat	acagcaggag	atcgaccgca	agcccgcggg	ggtgcccttg	180
accgggggaa	tcgaccttct	ccgntacgaa	gcaccggagc	cgcttgcaag	ctcgacagac	240
ggagaagttc	ctgatctgga	tgcgtggcgc	cgattctgc	agagagcgta	catggccagc	300
tcccatctct	ccatgcgaca	cgagaacctg	gcgttgctgg	aggagtacgg	caagaatgcg	360
tggctcattg	gcaactccca	gctggaggat	attctccggg	gtttggagaa	ggagttggcc	420
gagaccaagg	aggcggcgga	ggcgggtgaac	aagcagagga	agcttgccca	ggaggccagc	480
cagggtgaga	tggtagtct	ggaggagact	tggaaagcgg	gcgtcagtgc	catcctcgac	540
gtggaactgg	cctcggaggg	tctgcgactg	cagattctgg	agcagaggcg	ccggcttgcc	600
cagcagcagg	cgcggtag					618

<210> 16552

<211> 1419

<212> DNA

<213> A.fumigatus

<400> 16552

ctaactctctg	tagaaccgaa	cacacttctg	accctagaag	acaaaagcaa	ttcgatcctc	60
ccgcaaggct	agagactcat	cctgcgcgaa	ttggggccacc	gctcgggtcc	aaaggatat	120
ctcttgcccg	tccctccgca	aggagtatcg	ggcaaaaaat	tactcttct	caccgaccaa	180
agatttgata	agactgggga	gcatggcaat	ctgggaagttc	tcttctgcag	cgttttccct	240
ctccagaatg	gcaaattcgc	aactgtcttc	tcgatgaata	tggacttttc	tggaggcaac	300

acagggttcga	cacgtctcgc	ttgcaagaat	gcggtctgag	atgggtattca	cctgccggca	360
tcgacaccag	tttccaagta	tccctttgac	cgggtccagc	ctttctcata	cctgcagtat	420
gagttggagg	atctttcaga	acaccagttc	gttgctattg	tggacaaagc	cgatagtccc	480
accaaagggt	gggtttctgg	ggaattttcg	gacagttccg	atgctgtgat	cagggtcctg	540
ggcggccctg	gtggtttgct	gagtgcgggg	ctcaagatga	gactgcccgc	aaatcgacca	600
atgctcaccc	agattaagat	tccagctctg	cattccagtt	tgctggatta	caaactccaa	660
atcgtgagac	acaatcatga	caagcggcag	gagctcttcg	ctcctctact	gcgacagtcg	720
atctccgacc	cgcacgagtc	gaaattcttc	gtcaatgtgg	acaaggtcga	tgtgaacctg	780
cacggtgtag	cgcctttcat	gcctccaccc	cttcgcgaac	aggcaactct	cggcgggtgt	840
tcatttcagc	tgtggacaga	tcccagctgt	ggttccactg	tcgacgtttc	gctcaaagtg	900
gacattgctg	gcagcctggg	agagcttggt	atgcgcctatc	ggactgtctt	tgctgccttt	960
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gacgaaccgt	tccagtggcc	agttaatgcc	accgagacgc	cgattgattt	tacaaaaaac	1200
gatctgctct	tgggatcgca	ggatgcattc	ttctgggttt	tggtagctgt	ctttggcctg	1260
atcagtgtcg	gtgtctgtgt	tattctcaac	tatatcgcac	tcctcctatt	gtctgtgctt	1320
tcttttatct	acgggtgcct	gataaccaga	tcaggctaca	ttaaacgcaa	cgagaagggg	1380
tatgtcaatg	acactcttgc	tttctacgaa	actcgtctga			1419

<210> 16553

<211> 366

<212> DNA

<213> A.fumigatus

<400> 16553

tgtcttgtcc	atcatgcctt	tcctcctcct	tgtggaaacc	atgaccagcg	gggccatgat	60
ccccagagtc	accacaagg	atgcgcctac	atttcctcgc	ttcagtgatc	gtcgactaat	120
caccgcaggt	taaaacatgt	cacatctatg	atcctctttg	ccattgacct	ctattcagca	180
gtctacggcg	tgtcatagc	ctaccttctc	catcacctcg	ctaatactct	tgcgcctggg	240
tttgtcgtca	tctacttctt	cagcagcggc	ttctccctcc	gacgactttg	gctcatcctc	300
gaaggcgacg	atgccacaca	gggcaagtct	gagccaggcg	gaagccacca	gaaaaagaag	360
ccatga						366

<210> 16554

<211> 771

<212> DNA

<213> A.fumigatus

<400> 16554

accaccccaa	cccaaggctc	tagactaaga	tccgcctttc	cgccccagaa	agcttcgata	60
cgtgcctgcg	tgctgaatga	gttacgaata	tctccacctc	ctccaatgca	cagacgctcg	120
tctggctctc	ctgtcgagga	cgacgctgaa	gactcgcttc	tgggtttcgc	atccccata	180
gaatcaacag	cacatggccc	taacaataat	gccttcgaga	cggccgagaa	gtcgcgctct	240
cagatagcga	aaagaggtac	gagtttcgat	ctccggcgag	ataacggcgc	ctcgactcct	300
cgctcccggg	actcaggctc	gtggaggacg	ccctcgctct	cgctcgacct	gtcgcgacgc	360
gccatggcca	ccgcgtctac	ggaaacaaaa	tcctcctcgg	catccttctc	gatgccattg	420
gcctcccagc	gacttcccat	gggaacttct	cctgagagtt	cacggtttcg	atcctcgagg	480
cttcgcagcc	cgtggacttg	ctcgatattg	acggccctca	caactcttgt	cgcacccgtg	540
ttcctcttct	ttattgtccg	ctcattttcg	gcccgtcagg	ccggcgaaaga	tggatgtggg	600
atacccggtg	tgagcccgcg	gtttctccat	atggtgggct	tcgataccga	gcatacgcgc	660
ttcgcgagca	aatacaatct	ctatctttac	cgggaggaaag	gtgtcgattt	ctacaatcaa	720
gaaaacctag	gagtatgttg	tccgcctctg	atccttcagc	tgacgtgcta	a	771

<210> 16555

<211> 204

<212> DNA

<213> A.fumigatus

<400> 16555

acggggggctc	ccgtcttggt	cttaccggga	aatgccggta	gctacagaca	agtccgatca	60
cttgctgccg	aagcatcgag	gcactttcac	gatgtcgtcc	gtcacgacca	agagcgcac	120
aaggccggta	ccgcggagct	tggatttctt	catgatcgac	ttcaacgagg	atatggctgc	180
gttccacggc	caaaccctcc	ttga				204

<210> 16556

<211> 282

<212> DNA

<213> A.fumigatus

<400> 16556

aggtctactg	cgcattacaa	cttctctaat	tacgcccact	cgattttcat	tctcatgctc	60
tggatcttac	cgatcaacat	tctcgtcctt	ttgggtctggg	cccacaatct	tggtgtccac	120
tggttcatgc	cattctcgtc	acaccataat	gtcttggtcca	tcatgccttt	catcctcctt	180
gtggaaacca	tgaccagcgg	ggccatgatc	cccagagtca	ccacaaggta	tgcgccatca	240
tttctcgtct	tcagtgtcag	tcgactaatc	accgcagggt	aa		282

<210> 16557

<211> 900

<212> DNA

<213> A.fumigatus

<400> 16557

tccttcagct	gcagtgcata	cgagcccaaa	gttgaacggg	ggctcccgtc	ttgttcttac	60
cgggaaatgc	cggtagctac	agacaagtcc	gatcacttgc	tgccgaagca	tcgaggcact	120
ttcacgatgt	cgtccgtcac	gaccaagagc	gcatacaaggc	cggtaccgcg	gagcttggat	180
ttcttcctga	tcgacttcaa	cgaggatatg	gctgcgttcc	acggccaaac	cctccttgac	240
caggcggagt	acgtgaacga	ggcaatcgct	tacattctct	ccctctacca	cgaccccaag	300
cgatcccga	gggacccga	actccccgat	cccagctcgg	tgattctcat	cggacactcg	360
atgggtggca	tcgtcgccc	taccgcattg	accatgtcca	actaccaggc	caattcggtc	420
aataccatcg	tcaccatgtc	cgcgccccac	gccaaaccgc	ccgtctcctt	cgattcggac	480
atcgcttaca	cctacaagca	gatcaatgac	tactggcgag	aagcatactc	gcagacgtgg	540
gccaaaca	accctctgtg	gcattgtgac	ctcatctcca	ttgctgggtg	ttcacgcgac	600
accgttgtcc	cttcgcgacta	cgctagtatc	tcacgtctgg	tccccgaaac	tcacggcttc	660
actgtcttca	cgtctagcat	tccagatgtt	tggatcggcg	tagaccatct	atctattaca	720
tgggtgcgac	agttccgcaa	ggcgatcatc	aagtcacttt	ttgatattat	agacgttcgg	780
cgtgcaagcc	agactaagcc	gagagctgag	agaatgcgga	tattcaagaa	atggtaacctc	840
actggcttag	agccgggtcgc	cgagagaacc	ctatctcaga	agggttggtg	cccttggttaa	900

<210> 16558

<211> 282

<212> DNA

<213> A.fumigatus

<400> 16558

gaatggaggc	atcaactgag	gtcttccatc	catcctctcc	tcttcgcgc	tgtctactcc	60
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gtcgcgcgtc	ccaagactgc	gcaggcggta	atcgcggggc	tcggggactt	ttatacttgg	180
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<210> 16559

<211> 414
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 <213> A.fumigatus

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<210> 16560
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 <212> DNA
 <213> A.fumigatus

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<210> 16561
 <211> 513
 <212> DNA
 <213> A.fumigatus

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<210> 16562
 <211> 414
 <212> DNA
 <213> A.fumigatus

<400> 16562						
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<210> 16563
 <211> 606
 <212> DNA
 <213> A.fumigatus

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<210> 16564
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 <212> DNA
 <213> A.fumigatus

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<210> 16565

<211> 657

<212> DNA

<213> A.fumigatus

<400> 16565

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<210> 16566

<211> 750

<212> DNA

<213> A.fumigatus

<400> 16566

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<210> 16567

<211> 378

<212> DNA

<213> A.fumigatus

<400> 16567

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<210> 16568

<211> 225
 <212> DNA
 <213> A.fumigatus

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<210> 16569
 <211> 855
 <212> DNA
 <213> A.fumigatus

<400> 16569
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<210> 16570
 <211> 261
 <212> DNA
 <213> A.fumigatus

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<210> 16571
 <211> 2691
 <212> DNA
 <213> A.fumigatus

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<210> 16572

<211> 582

<212> DNA

<213> A.fumigatus

<400> 16572

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<210> 16573
 <211> 891
 <212> DNA
 <213> A.fumigatus

<400> 16573
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<210> 16574
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 16574
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<210> 16575
 <211> 1260
 <212> DNA
 <213> A.fumigatus

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ctactcgcgc	tcatacctggg	tctgcccgggt	gtgctcatcg	tcgtgactgc	gcatcgccctg	1020
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ccaacgtatg	cctactggaa	gtttgacgac	ttcagctggg	gagatactcg	taagacggcg	1140
ggagaacagg	acaagggcca	tgaagccggg	gagggagagt	tcgatagcag	caaaatcacg	1200
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<210> 16576

<211> 1197

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1178)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16576

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gcgacctggc	tcgattatcc	ctcgggtggt	tgcgccagcc	tgcgtctcgg	gaagaagcaa	180
tctgtgtaca	accaagggat	gcccgggtcca	agtgactttg	catttacaac	gtcagcatcg	240
tcatacgccgt	cttatttttt	cacgtcgcct	tccgaacatc	ctacgcaccc	ccgttatcgt	300
aatcggacat	ctcacgcctc	gtcatgtgat	gcgccctggc	catcacgact	gcgacctgtg	360
gatattgtcgt	tcggacaggc	ctccttttat	gatgaccagg	actccgacga	gatgtctagg	420
gaaggggatg	agcatgctgc	tttgccgacg	gatattgacg	agtttccaat	agtagcaaca	480
atatcagaat	ctcaccagggt	cggcttgact	ccaacaaatg	acctgggacg	gagcgacgcg	540
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gcttttcgccg	tcacagaagt	cgtaaacgcc	gtcatcggac	gggaagagta	tctccgagga	660
gaggggaaggc	acgttcgagc	agcgtcagtc	ggccgctcgt	cgtctccgcc	agcggatctg	720
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gatcgtccac	gaacgcgtga	agctaccgca	cagctcacgg	atgtcgactt	caacgatttc	1080
taccgggcgt	tcgactatga	tccgtttctg	gtgatggaag	cagcccctac	cggttaaccac	1140
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<210> 16577

<211> 597

<212> DNA

<213> A.fumigatus

<400> 16577

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gtagcgcaag	aggacaatgg	cgatgagctg	gctaaccgct	gcgtcatctg	cctagaggca	120
atcacagaac	cagctgtcac	ggtgccttgc	gcgcagtcga	atttcgactt	tttatgtatc	180
gtgagctggc	tggaaacagcg	ccgtaactgt	ccgttatgta	tgccctcccta	tctctgcaat	240
cgacctcgc	tttcggttca	ctttgtacta	acattcctag	gcaagagtga	tgttcacact	300
gtcaagtacg	agcttgagaa	cccccaagggt	ccgaagcttt	acaaactacc	tgctgttcct	360
ccatccgctg	caaatgcgcc	tgactctaca	tctcaacacc	gagggctgtt	atcccggtgt	420
cctcgccacc	gacgtcagcc	cgcagaaagg	ccacgacccc	gagagccgga	cgatcccatt	480
atacggcgcc	aatatgtcta	ccgtcatcag	ctttactcac	taagagtccg	ctcgaacaga	540
ctctcccagt	accgcgaact	atcaccagaa	tcgttcaatc	gtgacgagga	gctgggtc	597

<210> 16578

<211> 243
 <212> DNA
 <213> A.fumigatus

<400> 16578
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 aaaaactacc tgtgtttcct ccattccgctg caaatgcgcc tgactctaca tctcaacacc 120
 gagggctggt atcccggtgt cctcgccacc gacgtcagcc cgcagaaagc ccacgacccc 180
 gagagccgga cgatcccatt atacggcggc aatatgtcta ccgtcatcag ctttactcac 240
 taa 243

<210> 16579
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 16579
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 aggggaaatg agttcatctc gttaaggaac gagtataacc ccaaactttg gctaaagtct 180
 caggccgcac tcaattactc gaactag 207

<210> 16580
 <211> 333
 <212> DNA
 <213> A.fumigatus

<400> 16580
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 gttcggctgg tcgagctgag tatggagcag aaggacgccc tcacagtact tctgacgggc 120
 cgaagtgaga atggcttcgc ggatattatt cggcgcgatgg tgggcagcaa aaagctggag 180
 tttgacctca tctgtctcaa gcctgaagtg gggcccaaca gcgaacgctt ttcaaccacc 240
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 attagggctct atgaagatcg agtgaaacag taa 333

<210> 16581
 <211> 246
 <212> DNA
 <213> A.fumigatus

<400> 16581
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 tccccttcc taccggctga tttccgtctc caagggactc cacgatttgt gggcgattcc 180
 tctagttcta cttggcgatt tatccagaat ctgcggggac ttcaaataca tggagcgctc 240
 tcgtaa 246

<210> 16582
 <211> 1134
 <212> DNA
 <213> A.fumigatus

<400> 16582
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 aagggtcttc gagacttctt cgaggatttg aacaggctgc tgcaggttgt accagcaccg 120
 cggaagccga tcaatgcaga ggtgattcag gtcgcggaag gatgtacctt cctatcccct 180

gtagttgaaa	ctgccgaggt	acagcgtatg	atcaattctc	acaataagtc	aatccgccaa	240
gctacatcga	atgcaaccca	atcgccatat	ggtcgtctgc	gcatcaagcg	caccatcttt	300
tacactggat	atttaatatc	taacgcagac	tcgaatcagt	tgatcagcca	gctactgacc	360
ccgcttctgc	cctctgggct	tgtctgaatcc	aatgatctga	aatacatggc	taacagtatc	420
ctcattaccc	cgcgccctgc	ccccgatct	atcttgaaca	aggtcggcgg	cattggcaag	480
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ctagctgtgc	gcaaaggcgc	gcgtcctatc	gatgcaggca	agatccagaa	ctggcatcct	660
gtaccagcag	aaaaagctct	gacttttgaa	actgttgctg	gtgaaaaagt	tgttttgctg	720
gtggaagaag	agaatcccca	tgagggcgaa	tgggagagtc	agtttttgaa	caagaaccgc	780
aagagacgcc	atcagcaaga	acgtgatcag	gacatcctgt	atccgcaatc	ctgtcagaat	840
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ggaggagcgc	cacgtggtaa	gggccactca	agccgaggag	gcacgcgtgg	tcgggcccg	1020
ggacgcgatg	gcgtcctgc	tggctatcga	tccttggaag	atcacgttgg	atatgatggc	1080
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<210> 16583

<211> 1146

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1036)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16583

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ggactcgtgc	cgcacatgt	ttctgtggcc	aatgaaaaga	cttctctcac	gctcctctat	240
cagaacaatc	tgaatgcac	ggacgectca	aaccacatca	gtgcaatcct	acttgacca	300
atgcaccagc	atgatgtgcg	tgaagcatgt	cagcaatttg	gagagacgct	gatctcccaa	360
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ttaggtattc	catatgctga	ccctcctggg	cgcttcaagc	acgcaatacc	ctattcgcac	720
agagaccaa	ccatccacgc	gaccaagtac	ggttctgcat	gtgctcagag	cgggtggcggc	780
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ttcaactatc	ggctgtcgac	actgggattt	ctggctattc	ctgggactga	tattaccgga	1020
aactatggga	tctcanacca	gattccttgc	cttgaggtac	tattcccaact	tctccatata	1080
gatgcctctg	agactaacat	aacagtgaca	ggggactata	aaagatatcg	cgccaattcg	1140
aagtga						1146

<210> 16584

<211> 1458

<212> DNA

<213> A.fumigatus

<400> 16584

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ttcatatcag ccgtaaaatc gatccttagaa tatccttgctt gcgccaatat ctatatctcg 240
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gagaacaatg gtcagcgata tgtgagaagc gagtctgggc ccagaaagca cagatgcttg 1380
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aaccttacct tgcactag 1458

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<210> 16585

<211> 201

<212> DNA

<213> A.fumigatus

<400> 16585

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catcttctta ggtacagaat ccctggttat caggatgtga acatgtcgct gacttcgggc 120
gcaagctacg gtacctatt ggggtgtgaa gtgtcccagg tgaacttcat tctgccagct 180
agatatccac tacgctgtta a 201

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<210> 16586

<211> 300

<212> DNA

<213> A.fumigatus

<400> 16586

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ctattacggg tagttctca gcaagcgctt gtcttgaagg gctctctgaa tgggaacattt 180
ctggttgatcg ctaatctcag gattgcttac cagtctatca agctcttctt ttatgtcctt 240
aacgctctgt atatatcgtt ccaacaagggt gaccatacat caaccctgtt gcaagtataa 300

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<210> 16587

<211> 192

<212> DNA

<213> A.fumigatus

<400> 16587

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tgggattgca tcacagcaac tgtgagcata gcattgagca tgagaggcta tggtcgtgag 180
gctaattgtt ga 192

<210> 16588
<211> 450
<212> DNA
<213> A.fumigatus

<400> 16588
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cgggccacgg cggctttgaa ttgcatcacc aaagacaaaa gctgcagagg atcagttgta 180
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gcttctaagt gctctgcaga ggtatgttca tgttctccgt gttgcttgta ctgtcgggtg 300
ctaatacgtc ctcaggcagc cacatatggc aaatgcattg ttgctgacta caatgcagtg 360
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<210> 16589
<211> 741
<212> DNA
<213> A.fumigatus

<400> 16589
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tccccagaag cggtttcttg a 741

<210> 16590
<211> 204
<212> DNA
<213> A.fumigatus

<400> 16590
gtacgaaatc gacaagaaac tcggcatgtg ggcttgagg ctgtcgaaaa actcggcatc 60
gaaaagtaca atgaggagtg cagagctatt gtcatgagat tcgcatctga atggcgcgag 120
actattgaga gactcggccg ctggattgac tttgacaatg actataaggc acgttaccct 180
ccgtgcgaat atatatcggg ttga 204

<210> 16591
<211> 471
<212> DNA
<213> A.fumigatus

<400> 16591
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gatgctgatg	tgctaaccat	ccttgacgcc	aacctatacc	ccgaattggc	tcaacaagga	180
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gttgccgtgg	ttgatggcaa	gggtcccagc	ggagacaagg	aagctcttat	catggaggag	420
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<210> 16592

<211> 471

<212> DNA

<213> A.fumigatus

<400> 16592

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cctcgatact	ggctcgatga	gggttactat	gtcgagagac	ggttcggttg	ggatacacac	360
ggtgtcccca	ttgagtacga	aatcgacaag	aaactcggca	tgtgggcttg	gaggctgtcg	420
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<210> 16593

<211> 2328

<212> DNA

<213> A.fumigatus

<400> 16593

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aaataaccag	cactcttcga	ttactttctac	gaggagtcca	aggaccacgg	tttccgtgtg	480
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<210> 16594

<211> 333

<212> DNA

<213> A.fumigatus

<400> 16594

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caggaatgga	tggcgggact	taccttcttg	aaggaggtgg	gccagatctc	ttctgatgtg	300
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<210> 16595

<211> 612

<212> DNA

<213> A.fumigatus

<400> 16595

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gacaaggacg	gcgtcttctg	gtttaatgcg	atcacgcccg	tgccgtatcc	gatccgcgac	420
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<210> 16596

<211> 276

<212> DNA

<213> A.fumigatus

<400> 16596

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<210> 16597
 <211> 705
 <212> DNA
 <213> *A.fumigatus*

<400> 16597
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 ctgaccttag tctctctcga tgatactatg ccagcgattc tacatctagt cggcgcaatat 240
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 gagatcttgg agaagaattt gcaacagatt attcaagttg ccgatcaagg tcggtccatg 660
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<210> 16598
 <211> 924
 <212> DNA
 <213> *A.fumigatus*

<400> 16598
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 tggcagtcgc ggcttcggct gctgcaattg ctccggcgag ggagcagtag ccagttctca 240
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<210> 16599
 <211> 3249
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (1599)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16599
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 aaccagactg gcgacactgt tgctgccgaa tggcttacc agtatcagaa ggatgccaa 180


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<210> 16600

<211> 747

<212> DNA

<213> A.fumigatus

<400> 16600

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<210> 16601

<211> 189

<212> DNA

<213> A.fumigatus

<400> 16601

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<210> 16602

<211> 462

<212> DNA

<213> A.fumigatus

<400> 16602

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ggtgcttata	tgatcgacgt	tgctgagatc	ctgcagcttt	tcggatgcac	tgtagacagc	420
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<210> 16603

<211> 1086

<212> DNA

<213> A.fumigatus

<400> 16603

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cccagcagtg tctcaacatc aaccaggcat acagaccagt cgtatgggtgg tgtcccactg 480
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<210> 16604

<211> 195

<212> DNA

<213> A.fumigatus

<400> 16604

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<210> 16605

<211> 249

<212> DNA

<213> A.fumigatus

<400> 16605

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<210> 16606

<211> 216

<212> DNA

<213> A.fumigatus

<400> 16606

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ggcttcaact tgatagcttt tctgggtcaac gccttctgga acagcatttt atccgcgctg 180
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<210> 16607

<211> 441

<212> DNA

<213> A.fumigatus

<400> 16607

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gtttttctgct	gcggggtgcat	attccttggc	tcctccaggt	acagtctact	gctgcttgag	240
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<210> 16608

<211> 924

<212> DNA

<213> A.fumigatus

<400> 16608

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tccggcggca	tccagggcgg	gatctccaac	ggcgctccca	tctatttccg	cgttgccttc	660
aagcccccg	ccaccatcgg	ccaggctcag	accaccgctt	cttacagctt	cgaggagggc	720
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gaggccatgt	ccgccctcgt	cgtcatggat	gcgctcatgg	cccagtatgc	ccgcgaaagt	840
gcaaagaatt	tactgcccc	gctgcccagc	accctcccta	ccaaaccgac	tctcggtctc	900
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<210> 16609

<211> 594

<212> DNA

<213> A.fumigatus

<400> 16609

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cgctccgggc	agagtgctct	aacgacgcct	cgaaatgaaa	aagaccgagt	agagatccag	180
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gctgattata	cttacctgga	gaaatacgg	gtcaaggcga	gcagcggtgg	tggccggagt	360
agtgcccgcg	agaccattgg	tcagtcttca	gcaacacccc	ccgaacaaat	gaatcgcttg	420
ttgctaacta	cctcatcttt	tcaggccgtg	tcgccgcagg	agccattgcg	gagaagtaac	480
tacgcctgtc	gcatgggtgc	gaaattgtcg	cctttgtgtc	ctccgttggt	aacgaacacc	540
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<210> 16610

<211> 732

<212> DNA

<213> A.fumigatus

<400> 16610

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<210> 16611

<211> 576

<212> DNA

<213> A.fumigatus

<400> 16611

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gggttgggtc	atggagaagg	gtgctcgggg	gtcggcgggg	aaagggtgtt	gttaccacac	480
gaggacacaa	aggcgacaat	tccgacacca	tgcgacaggc	gtaggtactt	ctccgcaatg	540
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<210> 16612

<211> 1317

<212> DNA

<213> A.fumigatus

<400> 16612

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gcactctatt	ttcacctgag	gctcggagac	cgccagttta	ccatacgtta	catagtctcc	180
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gtggccgggt	ttgtaggagc	gcaggaagga	tatggagagc	tggagattag	aaagggcatt	1260
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<210> 16613
 <211> 453
 <212> DNA
 <213> A.fumigatus

<400> 16613
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 cccaatgtgg tcgacctgga tatgcccagag atgatccgca ccatctacag caccgcggcg 180
 gactaccgca aaaccgagtt ctatcacgga agtagtgcaa agaacaacgg taaaatcatt 240
 tacaatctct tcagcgaatg tgaccgcgag gtgcatgccc tgcagaagcg gccatttgca 300
 aagtattact ccatgtcggg ggtgctgccg ctggagcctc atatcgatga gaccattggc 360
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<210> 16614
 <211> 2304
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (159), (176), (183), (206), (209)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 gagtcaaaaa atcgggttgc ccataagata tcgggtgtnc aggagcttcc tcagcntgga 180
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<210> 16615

<211> 267

<212> DNA

<213> A.fumigatus

<400> 16615

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ttgcttcaag	ttaggggtgt	tattctcaca	gggtgggctg	ggttctctca	tctttccaac	180
ccaacccaaa	cccggcgggt	tctaagaaag	gcaaacctgt	taggttctat	tctgccaaaa	240
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<210> 16616

<211> 381

<212> DNA

<213> A.fumigatus

<400> 16616

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ctgtccattg	tctcgggtcat	gacggccgtg	ctcttctgga	cccagcggct	accatcaaga	300
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<210> 16617

<211> 198

<212> DNA

<213> A.fumigatus

<400> 16617

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ctggtcatcg	ccattagttt	gagtcctaggc	tttatgtccg	ttgccatcct	tccgtgtctc	180
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<210> 16618

<211> 429

<212> DNA

<213> A.fumigatus

<400> 16618

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catgggtcgc	ggttcaaaga	atccaatgag	ggttataaga	agcatgacga	gagtgggtgag	180

tcgaacccag gattccgcat gaagcccctg ggtagaaagg ctgcgaaggg tgatctcgag	240
accacgatat caaccgttgt ggggtgatact gtatttgata tgccctggcgg cgagacatcc	300
tcgcatgttc aaactgcgag ggaaacggac gaagagaggc tcgtcagtc tcccagagcg	360
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<210> 16619

<211> 345

<212> DNA

<213> A.fumigatus

<400> 16619

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tccttctcgg cggagggtctt ccgcatcgac tatcacaata agacgatcag gatcagtgga	300
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<210> 16620

<211> 195

<212> DNA

<213> A.fumigatus

<400> 16620

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gacattgact ccattccggt gcaacacccc gagtggaaac atgacgcctc cagttgcagg	120
aaatctgact ccaacgggca tccaaactcc tcctttgatg cattcacggg aaccaagtgt	180
ttcgaacgcc agtag	195

<210> 16621

<211> 3876

<212> DNA

<213> A.fumigatus

<400> 16621

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gctccccgtc ccatgatcac tcagatcacg cctggccacg ataccccatt actctcaaag	180
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gagtaccttg	tcaagagcga	gaagaagtgg	ttcaatagat	tcaggggatgc	tagactaggt	3780
cgtaatcagt	ctcctgcttc	ttctgtgttc	cggatcaagc	gagattattc	gccgtcttca	3840
ccacggggct	ggaagggtcc	gagcgtagtg	tattca			3876

<210> 16622

<211> 522

<212> DNA

<213> A.fumigatus

<400> 16622

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tgcctctatc	atcgaacgtg	ccttcgtctt	caaagtcacc	ttcgtgttcg	tcttcgcccc	180
tctctctctc	ttaaattatgg	aaatgacccc	tttctctcagc	agcctgtctg	tctgcagctg	240

aataggcctc	ggatctggca	tcagacagat	catcgtcttc	cagtgcctta	ttggtaccaa	300
ttgaaatttc	ctcgacctcg	gagtcctcat	gacgcctcgt	atcatcttgg	tgaaagtcac	360
tgtctccgaa	ggcatcgggt	ggtcgttgac	ttcgttggtc	ttgaacatct	ccatatccat	420
gctcttcgac	taagtcgtca	tcttcctcct	cggtcgactc	ctcttcaact	gactcttctg	480
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<210> 16623

<211> 498

<212> DNA

<213> A.fumigatus

<400> 16623

actagatatc	tcctcgccga	gaagtgcctt	gacaagatag	acgtctttga	acagagaggg	60
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gtgccacaat	tgaatccaga	tggaccaatt	gaagagccaa	tatggtatcg	atttggggag	180
acagaagaga	cacggcagct	caccttcact	tctcctatat	atagcaccct	ggataccaat	240
atccccgaaag	aactcatggc	atattctgac	aaaccattcc	ctgccgattg	ccaagcctta	300
ccaaggcatt	cgacagtaaa	gaaatacttg	gaagaatatg	cagaggatgt	taaagacctc	360
attcagtttg	aaactcaagt	acttgatgtc	agaccagagg	ggcagaccaa	caaggcttgg	420
gcgctgacaa	caagaaatct	ccgtaccggg	gctaaggaga	cccaaagtcg	tcacacaggg	480
ctagaatatc	ggggttaa					498

<210> 16624

<211> 630

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (115), (120), (125), (156)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16624

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ttgctctcgc	agaacaagga	aaggggcgac	ttgagtgcaa	cactcgcaca	acgtngtcan	120
acctntcctt	ccccccgcac	tgacccgaca	atcatngtcg	ccgtcctctc	ggccgacgcg	180
aagcggattc	tcttcggccg	ctccaagcgc	ttcccgcgca	actggtactc	aacactggct	240
ggttttattg	agcccgacga	atcggtagag	gacgctgttc	ggagagaagt	gtgggaggaa	300
gctggcgctc	cacttttcgcg	tgtcgttaatt	cactcatctc	agccatggcc	gtatccggct	360
aatcttatga	tcgggtcgat	tgctcaggtc	agcgatccag	agcatgagaa	gattagtctg	420
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tttaagggttg	ggacaagtgc	gttggggagag	acgcctgggc	ccgaatacaa	gggtggattg	540
agacttcctc	ctcctaccgc	catagctcac	cagctcataa	gggcagccat	cacgggagac	600
tacatcattt	cgaagaatc	aaagatgtag				630

<210> 16625

<211> 252

<212> DNA

<213> A.fumigatus

<400> 16625

ctcggattca	gaatccgaac	ggtcatagtc	atcctcgtac	gcctcttgct	cgctccttaag	60
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ctcctcctcc	tcatactctt	cttcgcccaa	tacctccgcc	cgcccatctc	caccctcgat	180
gccctcatca	tcgaacgtgc	cttcgtcttc	aaagtcacct	tcgtgttcgt	cttcgcccct	240
ctcctcttct	aa					252

<210> 16626
 <211> 405
 <212> DNA
 <213> A.fumigatus

<400> 16626
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 aggaggagga ggaggatgac gaggaggaag aggagcagga tgagattgaa gacgaagaag 180
 gatcggtgct taaggacgag caagaggcgt acgaggatga ctatgaccgt tcggattctg 240
 aatccgagtc atatacaggt gaagattccc cagctaggcc cgagaaagtt gttcatccgg 300
 aggtcatcgt cttggacagc gacagcgaag acgaggctgt tgtcagtcct ccgacaaaca 360
 ctcatatgtc atcggccaaa tatgctgcta cagttgatga tgtag 405

<210> 16627
 <211> 3765
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (2717), (3176)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16627
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 cgcgatgagg cgacttctgc tgctagattc gaatctggga gatctccgc cttcgtggag 180
 cgaacacgta catcgtttgg tggctctcgtg gattcagctt atgaccatt cgctgaagca 240
 gatgggtttg tacctggcaa aggcgcgaaa cgacctcgtt ttagctttaa aggcgccaat 300
 tggcgtcttg ttgatgaacc cgccagtcct ggagaaacag aggcaccggc cgattggacg 360
 tggatgtttg aagaagctga gactcacgag tccgatattg gtggagaaga tcatatagac 420
 agcgcacacag tccctcaaga gggttccgca gtaaccgcta cggtgccaaa tactccagaa 480
 gccgcgata ctgtcgcaga cgctcgacaat gaatcacttg atgttggttt aatgagcaca 540
 gaacgaatgg ccgaacagcc aaccaggcca agttttgaat tttctcagcc actacgtgcg 600
 cctggatttc cccaacactt tgccaggcag caattagcag attccgattt ccttatcca 660
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 gtcactaggt cgagtagtgc gcatgactac tttccaactg ttgcttcaa tgtgcaaaaca 780
 ccatccgctg cagatggaga aaatgtggag atgaccgaaa aagaaaacat cgtcgtatat 840
 aaggtccagc ctgatgttcc tacgagcaaa gagctccaac cgcttggttac gactcctcag 900
 ccggccattg caaggaatac attggattta acgtctcaaa atgcgtctat cgatttggaa 960
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 agagcaccgg cgcaacaccc ggaagatggt gagaaacaaa tatccaatgc cccgctagtc 1080
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 gaagagagca atggaactag cgaagatgag ttggaagagc agtcagaaat ggagctaaca 1260
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attcacgaat	taagggatgg	aagaaggat	accgaggtcg	gatcgccgctc	cgacaaagaa	3720
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<210> 16628

<211> 306

<212> DNA

<213> A.fumigatus

<400> 16628

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actgggagct	ggcttcttgg	agatggcgat	caaatcgag	gcgctcatca	taggctgaag	180
gtaagagatt	attatgatca	aaagaatttt	gttcacaagt	tacggacgtc	attaagcccc	240
cggctctatg	ctcgggtgctc	gtataatatg	atctatggaa	gtaatacggg	ctacacaaga	300
cactga						306

<210> 16629

<211> 219

<212> DNA

<213> A.fumigatus

<400> 16629

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gttcacttaa	gcgtcacggc	gatctccacc	atgttgaccc	atcgcgttcg	tgtctccggc	120
aactcctcac	tggaggctga	ggccagaaca	ttcgcagcgc	gtttctctct	cttcgtttct	180

gatttcgata caggctgcgc gggagcgtcg acagactga

219

<210> 16630

<211> 240

<212> DNA

<213> A.fumigatus

<400> 16630

tcataatctct	ctgataagat	agttcacaac	gttgacgtaa	ctctagctct	aattgccgga	60
tcaagatgta	gtgcctatgg	ggacaatatg	gcataattctc	ttgatttgaa	gcagcatcac	120
tcatcacggc	tacgtagata	tcggccgact	gcgactgaat	cggccactat	caagtctgtc	180
aaccagaatg	gtagcggagg	caatgagggt	gtgggcatgc	gtgtcggatc	gttgccagtag	240

<210> 16631

<211> 189

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (24), (166)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16631

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tataattcaa	tagtagataa	gcgcgggtcc	gcagcagaat	ggctgggtgc	agacaactac	120
tctggactag	accagcttga	cagagattgt	gatatgggag	atgcanagct	ctctttgttc	180
gggatttga						189

<210> 16632

<211> 225

<212> DNA

<213> A.fumigatus

<400> 16632

gaacttttga	tgatagcatc	attcggagca	ccaccattag	accagttgca	cacaacaaga	60
gatacagtca	ctagagcaaa	ccctgaccaa	atcaccagaa	ctcccatcac	caccatggcc	120
aaacaacctc	tcgtcaaaac	cctccagttc	gagaaaaaga	acaaagacat	gctcaagctc	180
ccaaaatgta	ctgtactgtc	ctgtcctacc	caactcgacg	cctga		225

<210> 16633

<211> 990

<212> DNA

<213> A.fumigatus

<400> 16633

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cccaggaact	actacaagta	ttctgaggtg	tccaaccgtt	tggaacgaata	tattcagtct	660
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gcaaacacaa	tcttcacatc	ttcatcagcc	gaggacaaga	ccaccattgc	acgtggcatg	780
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cccaagatca	acctcgttct	tgaaaagcgg	acaggttcga	aaactgtcac	caaagtttcg	960
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<210> 16634

<211> 816

<212> DNA

<213> A.fumigatus

<400> 16634

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aatgttcctg	gcacctgggc	ctctgacaac	ctgatcgcca	acaacaacag	ctggaccgtg	180
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gccactgctc	cttctgccac	catcactcag	ccctctactg	cagtcccagc	tagctctgcg	540
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aactccctca	gcgccgaaga	gttctctgaag	gtcctaaagc	agaccttctc	ttggctgggt	780
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<210> 16635

<211> 963

<212> DNA

<213> A.fumigatus

<400> 16635

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acagtctacg	taggaacgca	tcccaggggc	gaggaaacgca	ttttgtgggt	taagggtggaa	300
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aaactagtgc	ccttgcttca	cacgccggaa	atggtcacgc	agaagcttcg	tggtggcgca	420
gacctgatga	cccccgccct	cgccgatgaa	cctccatttc	ctgagagcgc	ggtcaaggga	480
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tga						963

<210> 16636

<211> 621

<212> DNA

<213> *A.fumigatus*

<400> 16636

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gttctatcgg cttcattgac tgaagtccca ttttcgtcac tctttctctc gtctctcggt 180
cgattcgaac ctaagattac gctgtgcgtt gatcgtttgg acaatccaac aaaagcctac 240
aacatgtctg tccctaagat tgcagctgct cttctcagct cggccgctct ggtcgtcgtt 300
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<210> 16637

<211> 696

<212> DNA

<213> *A.fumigatus*

<400> 16637

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atagttacca gcggcgatgg agctgggaac agtcacggtc cagctgttgt tgttggcgat 600
caggttgtca gaggcccagg tgccaggaac attggagtca ctgatcagac cactctcatc 660
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```

<210> 16638

<211> 213

<212> DNA

<213> *A.fumigatus*

<400> 16638

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actttctccc tttctttgac caccaacgcc ttgggtgata ctacgctgag gttgaccttc 180
gacttcaaag cttatatgtg caattcaata tga 213

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<210> 16639

<211> 249

<212> DNA

<213> *A.fumigatus*

<400> 16639

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aatattttcg aggttttctt cctcagctg ctgcggtacc caaaccttc agaccgctc 180
aacggcgagg ctgctgcgat gttaatgagg gaaccaaga gctacgaggc caaagtaaaa 240
ggtgagtga 249

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<210> 16640
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 16640
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 gatgaactga gctcggcggg aagttacgaa tctgggtggtg aggagccggc cggtagcatg 180
 gacgacgtgt ag 192

<210> 16641
 <211> 759
 <212> DNA
 <213> A.fumigatus

<400> 16641
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 aattatccta gtctccttca agcgtgttca tatatagtc aacacaccacc cactcatcta 180
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 gatgtgacga ggccggagtc ctggcaggca ctgctgcagg caacactgga tgcatacggg 420
 aagctcgaca ttgtcgtcaa taatgctggt gcgacctata gcaataagcc caccgtcgaa 480
 gtcaccgatg cagattttga tctgtgcatg aatgtcaata tcaaatcaat ctatctgtcc 540
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 tcatcgacgg ctgcaactgc tctcgcacct ggcttgacgt ggtataatgc ttcaaaggca 660
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 aattgtgtat gtcccgtcgt tggtagtaca gggatgtaa 759

<210> 16642
 <211> 375
 <212> DNA
 <213> A.fumigatus

<400> 16642
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 ccgctgggtc ggcccagcac tctcgggat gttgcgaata catgttgctt cctggcaagc 180
 gatgaagcgg aattcatcac gggcgtgaat ttggaggtag gtaccgacct catttggtct 240
 atatcagcac taactaatgg ctattgggat tcagggtggac ggtggacgtt gtgttttagcc 300
 aatatctatg atgtggcaat ctatcgcgcc tacgtggaag gcatagaatg ttcaactggg 360
 cagctcgaga tctag 375

<210> 16643
 <211> 771
 <212> DNA
 <213> A.fumigatus

<400> 16643
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 tccccgagtg cggcgcaaaa cctgacacag aacatggctt cggtcgctgc gaacagcatg 180
 cttccagcac aacagcaaca acagcaacat catcaacaac aacaacaaca acaacaacgc 240

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caagaggtca	tcaatctgca	ggcggtggt	aaggctggag	gacctccag	ccaacaagca	420
tcgcaagaga	acaatccatc	accaacgtcc	gaccaggcgg	ccgacgcagc	caagggcccg	480
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gccatcatga	ccccgcctcc	caatttgcca	gcggtcaacg	agctctacca	caagttgaat	660
gagctgttcc	ggccattgaa	aggcgccgtg	ggtacacccc	aacctagccc	gcaaggtatg	720
cctggcaaca	ccaaaccag	cccgtcgccc	gcggccgagt	cagcggtttg	a	771

<210> 16644

<211> 273

<212> DNA

<213> A.fumigatus

<400> 16644

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cgactcttct	attcttcggt	ttccaccaag	aagcagtaca	aggggtctct	ttcatctaac	120
cttcttatct	acaacaaact	ggctccagcc	ggccaccgcg	ttgaacctgc	agtgtttaac	180
accaagcgct	ggaagggcct	caggatctc	tttggcgcta	tcggcaactgt	cctttccctg	240
tcctgtgtat	gtgggagcgg	gacctgggat	tga			273

<210> 16645

<211> 801

<212> DNA

<213> A.fumigatus

<400> 16645

atgtcttgcg	tcttgtttct	tttctacaga	aggagcccg	cggtcgctac	tactatcgct	60
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atttctacgc	agtctgttcg	attctcctgg	agtggttcac	aatcgccatg	tgtctatagt	180
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gccccgcgcg	agcgcccg	caaacacttg	aaaccggga	actcgacatt	aacgcctggg	480
gacgcgacgc	ccgcgaacgg	caccgtatac	aatgtcgagg	atgaggagga	tacaggccgg	540
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gtggtcaaga	gcgtggtgtc	gatccatttc	tgccagactt	gttcgtttga	tacggacttg	660
tcgatgagta	gtcaggcaac	ggggtttgtg	gtcgatgctg	agcgcggtga	tatcctgacg	720
aatcgccatg	tggtttgccg	cgggcccgtt	tggggttatt	gtatatattga	taatcatgag	780
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<210> 16646

<211> 288

<212> DNA

<213> A.fumigatus

<400> 16646

ggaaaaatgg	atcccaacgc	taccggctac	ccttctctgc	agcaacaaca	gcagcaacag	60
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tatccaaatg	ctatgcccac	ctcctcattt	ccccaatcca	agacgccggt	ccaacaacca	180
catcagcagc	attcttttcg	tcccgtccct	ctgcaacctg	gcgggtcccg	tggagctatg	240
atgccgtctg	gtacgttgac	ttgtgatccc	cttggccggt	ttttctag		288

<210> 16647

<211> 465
 <212> DNA
 <213> A.fumigatus

<400> 16647
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 aacatcatca acaacaacaa caacaacaac aacgcccttc ccagcagcca aatcaacagc 120
 aaggatccgt cccaacagca gcacagagtc cggcggcagc agcgcgagag aaggctcgtg 180
 tctcaaccct cctggatata aactccatct tgcctgaaga ggcatcaat ctgcaggcgg 240
 ctggttaaggc tggaggacct ccagccaac aagcatcgca agagaacaat ccatcaccaa 300
 cgtccgacca ggcggccgac gcagccaagg gcccgcacaca aaagcccagt ctcgagtatg 360
 ttgagtgtat gcgccgtctc caggccaatt tggcgtacct ggcgactatt gccgatcgag 420
 cgaagaagtc ggtgtgtgtg gctcccgtg cccctgccat catga 465

<210> 16648
 <211> 801
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (775)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 cccaaggcca ttcggtacat ggaattgact gagctcaagc ttcgcccgga ggcggcccgt 120
 gtgggttgtg agattcgagt tgtgggcaac gatgctgggg agaagctgag cattctgtct 180
 ggtgtcatca gccggctcga cagaaatgcg ccggagtatg gtgacggtta ctgtgatttt 240
 aatacgaact acattcaggc cgcagcagcc gccagtgggt gcagttccgg cagtccctgtc 300
 gttaacatcg acggtcatgc aattgcttta caggctggag gtccgcgcga tgggtgcggcc 360
 acggactatt tccttccccct agaccgcccc ctccgcgcgc tggagtgcac ccgacgcggg 420
 gagcctgtca cccgggggtac gattcagaca cagtggatcc tcaaaccctt tgacgagtgt 480
 cgtcgcttag gattgacacc cgagtgggat gctgctgtcc gcaaagcctc gccgcatgag 540
 accagtatgt tgggtggctga gatcatatta cccgaagggc ctgcagatgg aaagctcgaa 600
 gaaagatatg tcctactgca ggttaacggg gaactcctta cgcagttcat ccgattggac 660
 gatacccttg attccagtgt ccgggaagac ggtacgtttg ctggttcaaa taggcgggtc 720
 acaatgttga aggtacaatg tgaagggtgg ccatctgcc ttgccatcac accanaaccg 780
 ttttgttcac ggtatcccg t 801

<210> 16649
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 16649
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 cagattact gtcattggca cgtcacatcc ggaacagacc ccaagcagcc aggcctctt 180
 gtggagcatt aa 192

<210> 16650
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 16650
aagtcgaagt atcgtctcga tccaaccaag gcacagtact gcatggactg ggaaatactg 60
tcgaacgcgc ctccatttgt gcggggactg tccaaccagg caacaggcaa cctaccacac 120
ggtttcagtt acctgcagct agaagagcaa gttggacaca accgttttct tctcaagtcg 180
cgctgggaag atattggtcg atga 204

<210> 16651
<211> 186
<212> DNA
<213> A.fumigatus

<400> 16651
ttgaatctcg tcctaacaat caaatggcca ctgacagtgg ctttcgagaa catctcaggt 60
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cttgaagctg ccataccccc tgatttatac cacactcaaa tccataccgc cagtgtagc 180
agatga 186

<210> 16652
<211> 198
<212> DNA
<213> A.fumigatus

<400> 16652
tctctaaatc atgccggcag cacctcaacg atcgacctcg ccgtaaccaa ctgcgcgaca 60
aagctcatta agtgccacct ctaccatgag aactatggct cggaccatcg cgctgcttac 120
tccgagtggc ctctccagcc gtcgaactat aatggtaaag agggtagcgg taatttcctc 180
tatacgggtca atagataa 198

<210> 16653
<211> 186
<212> DNA
<213> A.fumigatus

<400> 16653
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ttcttcttcc agcagctggc ctccaatggc gccttccact ggggctacca acatactagt 180
ctctaa 186

<210> 16654
<211> 1845
<212> DNA
<213> A.fumigatus

<400> 16654
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aatcgccccg gtcacaccga gacatacgat ctcttttcat cacatctgcc gacgccccgt 180
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taccttact gctgtctcag cgttgctgcc atccacctca agaccactga gggattcgtc 660

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ggagaacaga ttgatcatga tatcatgcgc caccgggtttg aggccgtctc tcacctatgt 720
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cacccggaag gcttgccaat aaattgttgg atcaaaatgg gaaaaggggg gatccttggg 1800
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<210> 16655

<211> 378

<212> DNA

<213> A.fumigatus

<400> 16655

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agcaatctct gcgtgaaatg tgaatataag cgcccgatct ggtggggcaa tgccgaacag 240
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aacgggtccg cgactggtag gactactgca ccttcaactc cgttacttgt cttgggtctg 360
acaatagggc tacgatag 378

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<210> 16656

<211> 228

<212> DNA

<213> A.fumigatus

<400> 16656

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ctatttgcta gtatcaacca ggaggagcct acactagaat gtcaacatac gatctgcttt 180
gattctgcca tcttctgcta tacgaagtca tctctcacc aaaaaataa 228

```

<210> 16657

<211> 957

<212> DNA

<213> A.fumigatus

<400> 16657

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cgaacgtctc tctcaaatcc gacacaagat ccttgtacta tccgggcaaa ggcggtgtcg 180
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gtcggcctct gcgatactga catttgccgg ccctcgatcc cgaagatgat ggggtgttgaa 300
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cttggcgagg atccaaatac agtgctccca cctgacgaga atgatatggt ggagtga 957

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<210> 16658

<211> 435

<212> DNA

<213> A.fumigatus

<400> 16658

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ttcctgctgc tccttggcta cggcgtgttc gcggcaccaa cgtcgccaca agctcaatct 120
cagggcaggt ccttcaagggt tgagcggatc aagcgtggaa actccattca cggctcgact 180
gctctacgca gagcctatcg gaagtgttgt atagtctcta cgacctttgg cgtcgatctg 240
tcggactttg tgcctttcaa caccgacatc atctcaggca cagctgccaa tctcgtaacc 300
gatgtccagg agccagagca gaccggtgca gtcagtgcgc aatctgtcca gaacgatgcg 360
gctttcgtca gccctgtgac gatcgggtggg cagaaaatag tgatgaactt cgacaccggc 420
tcagcagact tgtaa 435

```

<210> 16659

<211> 186

<212> DNA

<213> A.fumigatus

<400> 16659

```

ttgatctatc ttatcgcggg gcgctccgac accgcagtga ctgttcctga gaacatcacc 60
ccgcgccccaa tcgccaccaa gagtttgtca tccgatattg gattatcaag cagcgatccg 120
ccacttttca tcaaaacttc ctttgtccaa atcaattcaa cacacctact ggacctggga 180
atctaa 186

```

<210> 16660

<211> 651

<212> DNA

<213> A.fumigatus

<400> 16660

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gcgatcaag cgtggaaact ccattcacgg tccgactgct ctacgcagag cctatcgga 60
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gacatctatc tcaggcacag ctgccaatct cgtaaccgat gtccaggagc cagagcagac 180
cgggtgcagtc agtgcgcaat ctgtccagaa cgatcgggct ttcgtcagcc ctgtgacgat 240
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gagttacttt accaactatg cttactgact ggggacttcg ctagtgggt gatgaacaca 360
gagcttccgg cgagtgcaca ggtcggccac actgtcttcg atccttccaa gtcgtccact 420
ttcaagaaga tggaggagc tacttttgag atcaaatacg gcgattcgtc tttcgccaat 480
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ggcctgggcg tctttcacac ggaggctgga cggatccgcg ctagacacc c 651

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<210> 16661
 <211> 582
 <212> DNA
 <213> A.fumigatus

<400> 16661
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 cgtgaggccg ggcgatggct gaccccgagc gcagtcaa atcgcactcgac cacgcctgtg 180
 tcggacgtcc tcgcctgggt cgcagacgac tccaaccccg tccgttcgga atacatcgtc 240
 ctggagccga gcgtcgggtga gctgctcacc aaggcgtggg acacccttgc cgaacacgag 300
 cgcgtgaagc tgatccgcaa ctttgcctcg ctcgaaagta agctggcagc cacgcagttt 360
 ccgggctacg gtgccttgta tctgcgaaaac gccctcccc cggcgctgca acaaccggc 420
 cgcaccatcg acgtggatga cagctactgc ctccggccga tgtaccacgg ctccctggcca 480
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 tccgcgatct gctttggctg gagttctact gaacagcgat ag 582

<210> 16662
 <211> 462
 <212> DNA
 <213> A.fumigatus

<400> 16662
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 ccgactttca cccaggcaac atcttcgtct ccgcgcgacga cccaccgtc atcgctggcg 120
 tcatcgactg gcaattcacc tgcatacttc cacgcttcac gcagggttcgc tggccgctgt 180
 tcctcgctcc gccggaaggc taccaccccg gcacgcccaa cccggaacgc ccgcccaccg 240
 acaacgacaa cagcgaacaa gcgcaggacg cgcccttcg cgccaagtgc tacgaggccg 300
 cgctcctcaa gtcccatctg gaatcgatcc tggtctctac cgaaccgcac gccgccatca 360
 gccgcctctt catctcttgc ccttcacct accgcgacgg gattctgccc gtacgcgact 420
 gcctgctcaa gctctcgag cactgggcgc gtttacaggt ga 462

<210> 16663
 <211> 336
 <212> DNA
 <213> A.fumigatus

<400> 16663
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 cgcattggtc ccgcgttgcc tcgcgtggcc ggctcgccca ttaccgcat cgagaagaag 180
 gagggcgggt acaacaaggc gctgttgatg accgccgaaa atgggacgaa catcctggcc 240
 aagattccct gtcggaatat cgtccctcga tggtagcgga ccgcgtccga ggtggccgtc 300
 ttggacttcg gtaggtatct cgtcttctct ccgtga 336

<210> 16664
 <211> 885
 <212> DNA
 <213> A.fumigatus

<400> 16664
 acagcgatag ggagaaccct cgccgagctc ggccgcgac tcgcccacca aggcattctgc 60
 caagtccgca actacaagac ctctacgct ggccggggcc cgcactacgg cactcccag 120
 gagcacatcc gcgtcctcga gactgtcatg caagtgatgc cgatcctcac agaagccgtc 180
 ccgattcgcc ggcacactga gccgcctctt cgccaccccg actttcacc aggcaacatc 240

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ttcgtctccg cgcacgaccc caccgtcatc gtcggcgctca tcgactggca attcacctgc 300
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caaccgccga cgcccaaccc ggaacgccc cccaccgaca acgacaacac gcaacaagcg 420
caggacgcgg cccttcgcgc caagtgtctac gaggcgcgcg tcctcaagtc ccatctggaa 480
tcgtacctgg ctctcacgca acccgacgcc gccatcagcc gcctcttcat ctcttgcccc 540
ttcacctacc ggcacgggat tctgcccgtc cgcgactgcc tgctcaagct ctgcgagcac 600
tgggcgcggt tacagggtgag tcaggagtgt ccgtaccggt tcaccgcggc ggagggtggca 660
gagcacgagc accagatggc cgagtacgag ggctggctaa aactgcggga gcatacgag 720
cagcttctcc ggtcgaatga tggcgggtgg gtgccgtctg gcgtggactt tgaggagatc 780
caggcgaggc atgataaact gtatcgccgg tttgtgaaga cgaagatgga gcatatgtct 840
gaggaggatg cgaagcggca gtggttcttc cgtgagagag gatag 885

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<210> 16665

<211> 1419

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (973), (974)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16665

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aagcatcacc cagacaagac aggtgggtgag gagagctctc atatcgaatt ccagaaggta 180
caagccccgg agcaagatac cgaggactcg aaaccaatca tgctaaccaaa atccgaccat 240
cagattcagc aggtgtgtga aatacttcgc gacccgggtcc gccgcaagaa ccatgatctg 300
gaactcttca agctgggaag gatatccgtg catggaacta attccccgca tgcagggtggc 360
tcccactggt cggcttccgc gttcaagaga tacgatgaga acagtcgcta catgtacagc 420
tacgagcaaa gtgtacatgt gagccctcag aagcaggaat ctaaagagga tatggaatgg 480
gttgagcaga tgctcaaggc ggaagaggaa ttcagacgga accttgccag gcagcaggaa 540
gtggaacaga tgcgtgctca gatggaagcc gagagggtag gacaagagga ggactgcaag 600
cttcaaagta cttgggaaga ccatccgtct gaacgcctcg aacaggatgc tcataccgag 660
gatgttctcg aagaagaatc tgactatttc gactcctaca ccgagagtat tacccggaag 720
gagcaagaca tctgggataa atgtgcacaa agggctcccc ggtccacgga ctatacgag 780
gaagaatatt accaggacat gtaccagaag ggtgagaaac agccagagct ttatgacgag 840
gatgaggacc ccgagatcga cgacgacgac gacgaagagc ctccacacct ccatggggag 900
gaagtcgagg accaaccaga gctctatgaa ggctcgatg gccacgaaaa cgtgttcccc 960
agacgatctt gtnnatctcc cccagctcta cgaaaaagag gccatgactt cgacgattat 1020
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gataacgcta ctgcacgaag cagcggctct gaattcaatc ctcgctttca tatggagagc 1140
atccgcgcgg cttgtgccga cctgtacgac aataagtcga ctagtgtgga agaggcccag 1200
aaaacagacg acgatacagc cacattatat gacgtcagcg aggcagactc atcccacaaa 1260
ttctacagta ccaatcccta cctatccgag actgagagtg tgaacgaagc tgtgcacaac 1320
gacgtggacg aacaagtgtc tgagggagtc gacaacgacg acagtgtcaa tcggtcaagc 1380
ctccatgata tcttatctcc cttcgttcca tacctgtga 1419

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<210> 16666

<211> 618

<212> DNA

<213> A.fumigatus

<400> 16666

```

aatcgggtgga tacgagatgc tgatcttttt ggaagcactg cgccccccaa cgccgccaac 60
ttcgcgactc tgcgtgaaat cgagggccgt ttgaagtcca tcaagaacat cgagaagatc 120

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accaacacga	tgaagatcgt	tgcgtctact	cgtcttacct	gcgcccagaa	ggctatggac	180
gactcccgtg	tctacgggtca	gacctccaac	aagggtcttcg	agaacgccga	aaccaagccc	240
ctcgaggaca	agaagacct	gctcgtcgtt	gctagctccg	acaagggtct	ttgcggcggt	300
atccactccg	gtctcagcaa	ggctacacgt	cgtatactcc	aggaaaaccc	caacgctgac	360
gtgggtcatcc	tcggagagaa	ggccaaggct	cagctgtcca	gatccaacgc	cgacgccatc	420
gtcatgagct	tcgccaacgt	ctgcaaggac	atccctactt	ttgctgatgc	tcaggtcatt	480
gccgaccaga	tcgctcagtt	gcccaccgac	tatgctagtg	ttaagattat	ctacaacaag	540
ttcatcaacg	ctcagagtta	cgaaccacgc	accgttgagg	cctactccga	ggaggctatc	600
accaagtccg	gtcagtaa					618

<210> 16667

<211> 402

<212> DNA

<213> A.fumigatus

<400> 16667

aaaggggaaa	gcactcacc	gtcacagatc	ccggctgtga	tttggatcga	tagactcgga	60
cgcaagcccc	tcttggtcgt	cggcgccatc	ggaatggcag	cctgccactt	cgtcatcgcg	120
gctatattcg	gccagaacga	aaaccaatgg	gacacgcaca	aagctgctgg	atgggcccga	180
gtctctatgg	tctggctggt	tgtcatccat	ttcggttact	catggggtaa	gcggcttccc	240
acctccgagg	aagattcaac	tactaaccat	aaacccaagg	accatgcgcc	tggatcatca	300
ttgctgagat	ttggccgctc	agtgttcggg	caaagggcac	cgcgctgggt	gcttcggcga	360
gtaagtgcct	tatttctcct	tggcatcata	tctcgactct	ga		402

<210> 16668

<211> 255

<212> DNA

<213> A.fumigatus

<400> 16668

gtgctttatt	tctccttggc	atcatatctc	gactctgaca	cagacttttt	tttcgcgcca	60
gactggatga	acaacttcat	cgtcgggtcag	gtcacgcccc	atatgctcca	gaacatcaga	120
tacgggacgt	acatcttctt	cggcataatc	accttccttg	gggctgggtt	cattgccttc	180
atggtccctg	agacaaagca	gttgctctct	ggtaagcttc	ttgatcctgt	aatcgctgaa	240
tttcgggtct	tctaa					255

<210> 16669

<211> 192

<212> DNA

<213> A.fumigatus

<400> 16669

tcgtcgaatt	tcgggtcttc	taacgagatt	acagaggaaa	tggatgttat	cttcggctct	60
gaaggcacag	ctatctccga	ctatgagcgt	caggcggaga	tctcccggga	gattggtctc	120
gatgaggctc	tggcgcgggt	gaccaatact	gcgccgggtg	aggttcatga	tgttgaagcg	180
aaacagactt	ga					192

<210> 16670

<211> 267

<212> DNA

<213> A.fumigatus

<400> 16670

tcacaaccga	accgtcacgc	caaagagaaa	caggaaacta	ctaagcagca	acagattatc	60
aaatttgccc	agattacgaa	catgttcaag	agagattatg	ttgactgtcc	acaacatatc	120
tactattcaa	tcacgccatg	taagtgtctg	agtcgacacc	gccctcggga	tattcactat	180

gcaattgtca gtcactgcat agcatcaagc ctgggggaaaa ttgtacatac ggaagagcga 240
 cttcgaatcg cttctcaatt tccttga 267

<210> 16671

<211> 585

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (9)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16671

cctgtacgnt	acaagatggc	caagccgaaa	gataaaaagg	gctcctcagg	cggagtgaac	60
agtcatttgc	gcgcccggct	ggagtacctt	cataacgccg	caagccttat	acaatccgtg	120
gcggtttcct	cgaagaaact	agatggccag	cgagccgata	atggaaaccc	agagatatcg	180
gattcaaaga	ggattgtacc	acatgttgta	aggcctgaca	ttgcagctca	gaaacagtcg	240
tttgctactg	gcccgtcaaa	tgacacagat	cgcctttcgc	aactcgcccc	agtttatgta	300
tcacatttgc	ggggtgtgtc	cctaaaaatct	cagctgcggc	tcccagtgga	agtcaagcat	360
tcattctgca	agcgctgcga	cacacttcta	gttcccaatg	tcaactgcac	gcacgagatt	420
aggaatgaca	gccatggtcg	cagaaaaacct	tgggcagatg	tgctgggtcat	tcgttgcact	480
acatgtggga	cggaaaagcg	ctttccacaa	acagaaaagc	gcagcaagaa	acttgcggaa	540
cgtcggaagg	aaaaagcaca	agcgggagaag	ccagatgtta	agtga		585

<210> 16672

<211> 288

<212> DNA

<213> A.fumigatus

<400> 16672

tcaacgccac	cttatctcgc	cgctctaccg	acaatgtctc	acgaggagga	tctcatcgac	60
tactccgacg	aggagcttct	taccactgac	gcagcagcca	ccacctctgc	ccccgccgog	120
aatggggccc	aagacaataa	aggtgacttg	acagtttccg	gcggccgccc	cgataaaaaa	180
ggaagttaatg	tcggtattca	ctcgaccggg	tttcgcgatt	tcttgcttaa	gggagagctt	240
ttacgtgcca	tcaccgattg	cggtttccaa	catccatcgg	agggttag		288

<210> 16673

<211> 534

<212> DNA

<213> A.fumigatus

<400> 16673

cataccgctc	cgccttttac	agtccagcaa	gtctgcattc	ctactgcaat	cctgaacgtc	60
gatgttctct	gccaggccaa	gtctggtctt	ggaaagactg	cagtgttcgt	tcttactaca	120
ctccaccaac	togaaccgt	acctggagaa	tgctcggttc	ttgtcatgtg	tcacactcgt	180
gagttggcgt	accagatcaa	gaatgaatac	gccagattca	gcaaatacct	gccggatgtg	240
aagactgctg	tctttctacg	tggtacgccg	atccagaaag	atatcgaggt	tttgtcgaa	300
aaagagtcac	atccgaacat	tggtgtcggt	acacctggtc	gtcttaaatg	tctggttcgc	360
gagaagaagc	tttctctgcg	caacgtaaag	gcgttcgtgt	tgatgaatg	tgataagatg	420
cttgatcaga	tcggttaagc	agcgcaaata	gctcgtacgg	aagtcctta	cttacgtctc	480
gccagacatg	cgccgggatg	tccaggagat	tttccgtgcc	acccccgccg	ataa	534

<210> 16674

<211> 327

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (29)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16674

aaaatgggaa aaggatctga gacatccgng cagaaaaatg tattgagttg taggtccctt	60
gaatggagct cccattgggt cgctggcttg tcttcggggg ctaaaattaa gcttgtgggt	120
tggaactgcc gatcctcgtt tgctttcagc acttttgtgt acagaattga ctatgatttg	180
ggcacaactc gtctgattgc taattgctat ttgaacataa tcaaagatca tttgaatacg	240
tacaaagttg gctcaaacct ggaatactcc tgtaacatct accaatcttc ttgggtaatt	300
tcactggcta gaatcatcag tacctaa	327

<210> 16675

<211> 288

<212> DNA

<213> A.fumigatus

<400> 16675

agtcgacgag tcttgccacc tatgactggg caattctcgt ccttgtgccg agcgaaaagt	60
gtttctgttt gggatacgat cgcacgacca acctgtgttc tggctaagcc tgtcgtggac	120
gcaggtagta atgcactgta tgccccgttt tcgaatgact cgggaatgga cggacaatgc	180
gacacggatg cttttttcgt ttttcaagtc ttatggatcg aatacaagtc taacataccg	240
ctccgccttt tacagtccag caagtctgca ttctactgc aatcctga	288

<210> 16676

<211> 462

<212> DNA

<213> A.fumigatus

<400> 16676

aggcgcttctg gttggatgaa tgtgataaga tgcttgatca gatcggtgaa caagcgcaaa	60
tgcctcgtac ggaagtcctt tacttacgtc tcgccagaca tgcgccggga tgtccaggag	120
atttttcgtg ccacccccgc cgataagcaa gtcattgatg tcagtgcac cctctcccaa	180
gagatccgac ccattctgcaa gaagtctcat aggaaccac ttgaagtta cgtcgtatgac	240
gacaccaagc tcacactcca cggctctcaa caatactaca tcaaactcag tgaatcggag	300
aagaaccgta aactcaacga acttctggac agccttgagt tcaaccaagt cattatcttc	360
gttaagagca cactgcgtgc gaacgagtta gacaagctgt tgcgcgaatg taactttccc	420
agtattgcgg tgcactctgg tgtcagtcag gaggagcggg ga	462

<210> 16677

<211> 312

<212> DNA

<213> A.fumigatus

<400> 16677

ttcatgttta gtatcaaacg ttacaaggag ttcaaggagt tcaacaagcg tatctgtgtc	60
gccaccgatg ttttcggctg tgggtattgat attgagcgta tcaaccttgc tatcaactac	120
gatttgctg ctgatgcga ttcatatctg caccgtgttg gccgtgctgg tcgtttttgga	180
accaagggtc tatccatctc gtttgtcagc agcgaggagg atgagaaagt gctcaaggaa	240
attgagaagc gattcgaagt cgctcttccg tatgtacaat tttccccagg cttgatgcta	300
tgcatgact ga	312

<210> 16678

<211> 579
 <212> DNA
 <213> A.fumigatus

<400> 16678
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 tccatcgccg cgacccccctt tagtgccgtt atttccgaca ggctcggtcg ccgcaagtgt 120
 atgttcgtag ggccttgat cattatcgcg gggtccatca ttatcgcgac cgcgaaccat 180
 ctccccagt tctacgtcgg ccgctgggtt cttgggttcg gtatccaggt gatggtcgtg 240
 tctgcccccg cgtatgctgt tgagattgct cctccccact ggcgtgggcg tgccgtcgtg 300
 aagtcacctc acaacttttag aaatgtgccg gcaattgctg aactgggtag gtttctacaa 360
 ctgcggtcgtg ttccgttggtt ctatccccgc tgcggctgtc acctacggct gcaacaacat 420
 cgacaacgac tactcgtggc gtattccttt catcctgcag tgctttgcct gtattattgt 480
 cgtctgttcc atctggttca ttcccagtc cccccgttg cagatcgccc atggccagga 540
 ggagaaggcc atcgctttcc tgaccaagta ccacggtaa 579

<210> 16679
 <211> 933
 <212> DNA
 <213> A.fumigatus

<400> 16679
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 ggtcagtggt ctggtaacgg tctgggttac tttaacgcca ccatctacaa caccctgggc 180
 tacacctcca gctccatgca gctgctgatg aacttggtca actccatcgt ttccggccatc 240
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 gtcagccagt acgccagccc gatcggctca cagaacatct ccaccacta cttttggatc 660
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 aggaactcga ttgggtttac cagcagccca agcccgtaa ggcctcgctc caggctcgaca 840
 aggttggtgt ccagcccgat ggacacgtcg tcgagaagat caccgacgag gcttaattgt 900
 cccgtggggtt tatctctggt aaatgggagg tga 933

<210> 16680
 <211> 483
 <212> DNA
 <213> A.fumigatus

<400> 16680
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 ttctacaact ggcgttggtt cgggtggttct atccccgctg cggctgtcac ctacggctgc 180
 aacaacatcg acaacgacta ctcggtggcgt attcctttca tctgcagtg ctttgctgt 240
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 ggccaggagg agaaggccat cgctttcctg accaagtacc acggtaatgg caaccggaat 360
 gcccgcctcg tctcctgga ggtcgaggaa atgagagagg gtattcgttt ggatggatc 420
 gacaagagat ggtgggattg tgagtacttt ccatccgaca aacccttcct ttgcaggagc 480
 tga 483

<210> 16681

<211> 1785
 <212> DNA
 <213> A.fumigatus

<400> 16681
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 accaaatttt tatggatact tcagctcctc gttatcgga atgtaccttt ggtgttttct 120
 tctgtgaagc cctacccttt atcatggaac accaccacg actttggcta cgatggaccc 180
 tggcatgcaa taccactgag aatcggtcga ccagagcaga caatcaatct ttatcctggt 240
 ggaagctggg cgtctgtcgt tttagggtact catatccagg acgcctgggg caatgactat 300
 cccaatcagg actggttgaa ggggtctgag gtttgggatg catcattaag tgcgccacag 360
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 agcattgacg gcaattgggg agggcaagtt gcaatgaata tgaccggtct cgggggtccag 480
 atcacggacc ggggtgtatt ctatacaccg gataatggaa tcgcaatacc caacggtact 540
 ctgtcgggtcc ttgcctcggc caacatgact tatcccgcag gtaaagtagt acctctggac 600
 atgggggttct tatctctcgg tgcgcccgag gcgcagcgtt gggatcccta tgtcggaaat 660
 gtcattcccg actatctctc gattaacggt tacacaccat cgagctcgtg gtccctacat 720
 attggatccg ccgtgatggg cataccaggc tccttgatct ttgggtggata tgattcaact 780
 cgggtaattg gcgatatcgg gacgtatgat accactgacg gttttggcgg aatgttcaca 840
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 aacaagacta atctcctgca agacgcccga agcaaaacac aggttattac cactcgcag 960
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 tatgagcggg tctcaactc tccggcttat ataaagtgtg tgtttaacag gccagccggg 1140
 gcatcaccca tcgagatccg agttccattc gccctgttta atctcacctt gaccagccg 1200
 atcgttgatc ggccgacgca atattttcct tgtcggcgtt tccagaacaa tggcgagaa 1260
 taccaccttg ggccgcgcat tctacaggca gcctttctag gtatgaactg ggtgacctca 1320
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 tcaaacagca cagagaccat caccaccagt gctccaagca gcttctggac tgattcgtgg 1440
 aaaggtatct tcaccagtct tcctatcgat gggaatccca gctcctcggg ttcttctctc 1500
 cagccttctt ccgcccggaa tggaaacagaa agcaaagggt cactttccag cgggtgcaatc 1560
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<212> DNA

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<211> 411

<212> DNA

<213> A.fumigatus

<400> 16684

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<210> 16686
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